Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology

GRANTED PATENTS' ABSTRACTS GAZETTE

" PATENTS ISSUED IN DECEMBER 2016 "

Egyptian Patent Office

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Preface

We are on the verge of a new era which is founded on the basis of technological development and hence, we have to follow it in all fields of national development . Technology has become the basis for the increase in national income and production and hence, scientific research has become our real hope as a way for advancement and as a necessity for life .

Emerging from the responsibility of the Academy of Scientific Research and Technology towards strengthening the pillars of science and technology , I have the pleasure to introduce the Granted Patent's Abstracts of the Publication of Patents monthly, Which includes bibliographical data . This periodical is directed to all those interested in the vital field of Intellectual property which encompasses patents, innovations and creative works .

I hope that this publication meets its targeted objective , namely increasing the welfare , prosperity and advancement for our beloved country, Egypt .

Acting President of Patent Office

Mr. Adel El- Saeid Oweide

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Patent Number	11
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Abstract	57
Applicant Name	71
Inventor Name	72
Patentee Name	73
Patent Attorney Name	74

List of Codes of Countries and Regional Organisations Administered by the World Intellectual Property Organisation

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ST	Saotome and Principe
SV	El Salvador
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SZ	Swaziland
TD	Chad
TG	Togo
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TM	Turkmenistan
TN	Tunisia
TR	Turkey
TT	Trindad and Topago
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UY	Uruguay
UZ	Uzbekistan
VC	Saint Vincent and the Grenadines

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YD	Yemen
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ZA	South Africa
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
DECEMBER (2016)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/04/2013** **0717/2013** **August 2016** **12/12/2016** **27824**

(51)	**Int. Cl. 8 C07K 1/02, 5/08, 7/06**	
(71)	**1. FERRING B.V. (NETHERLANDS)** **2.** **3.**	
(72)	**1. RASMUSSEN, Jon Holbech** **2. FOMSGAARD, Jens** **3. HANSEN, Stefan**	**4. RASMUSSEN, Palle Hedengran** **5. WACHS, Wolfgang Oliver**
(73)	**1.** **2.**	
(30)	**1. (EP) 10189032.5 - 27-10-2010** **2. (PCT/EP2011/068735) – 26-10-2011** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) PROCESS FOR THE MANUFACTURE OF DEGARELIX AND ITS INTERMEDIATES

Patent Period Started From 26/10/2011 and Will end on 25/10/2031

(57) The present invention relates to a liquid (or solution)-phase manufacturing process for preparing the decapeptide Degarelix, its protected precursor, and other useful intermediates.

The invention further relates to polypepeptides useful in the solution-phase manufacturing process and to the purification of Degarelix itself. Degarelix can be obtained by subjecting a Degarelix precursor according to formula (II): (PI) AA1-AA2-AA3- AA4- (P4) – AA5-AA6(P6) –AA7- AA8(P8) –AA9-AA10- NH2(II)

or a salt or solvate thereof to a treatment with a cleaving agent in an organic solvent wherein P1 is an amino protecting groups preferably acetyl P4 is hydrogen or a hydroxy protecting group, preferably a hydroxyl protecting group P6 is hydrogen or an amino protecting groups preferably an amino protecting groups and P8 is an amino protecting group.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/12/2013** **1863/2013** **July 2016** **12/12/2016** **27825**

(51)	**Int. Cl. [8] F02m 27/02**
(71)	**1. ROYCE WALKER & CO., LTD (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. RATNER, Joel, S**
(73)	**1.**
(30)	**1. (US) 13/156,093 - 08-06-2011** **2. (PCT/US2012/036994) – 09-05-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**FUEL CONDITIONING MODULES AND METHODS**
	Patent Period Started From 09/05/2012 and Will end on 08/05/2032

(57) Fuel conditioning modules that condition a combustible fuel prior to combustion are provided so that fuel to be conditioned is brought into contact with a fuel conditioning insert assembly which includes a zeolite catalyst material comprised of a mixture of zeolite particulates and rare earth metal or metal oxide particulates in a solid resin binder disposed in a housing flow through passageway such that the fuel flowing in the passageway between inlet and outlet ends of the housing contacts the fuel conditioning insert assembly. The catalytic metal is most preferably at least one selected from the group consisting of copper, aluminum, stainless steel, titanium, magnesium, chromium, barium, calcium, platinum, palladium, nickel, bronze and iron. The zeolite catalyst material may be dispersed in the form of solid chips throughout a mass of metallic elements form of a catalytic metal.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/02/2012** **0322/2012** **July 2016** **12/12/2016** **27826**

(51)	**Int. Cl. [8] B01D 69/10,61/00, B01D 67/00, 71/00 & C02F 1/44**
(71)	**1. OASYS WATER, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MCGINNIS, Robert** **2. MCGURGAN, Gary** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/236.441 – 61/236.441** **2. (US) 61/253.786 - 21-10-2009** **3. (US) 61/291.430 - 31-12-2009** **4. (PCT/US2010/046521) – 24-08-2010**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**FORWARD OSMOSIS MEMBRANES**
	Patent Period Started From 24/08/2010 and Will end on 23/08/2030

(57) Forward osmosis membranes include an active layer and a thin support layer. A bilayer substrate including a removable backing layer may allow forward osmosis membranes with reduced supporting layer thickness to be processed on existing manufacturing lines.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/03/2012** **0493/2012** **June 2016** **14/12/2016** **27827**

(51)	**Int. Cl. [8] C01B 25/22**
(71)	**1. CYTEC TECHNOLOGY CORP (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. RAVISHANKAR, SATHANJHERI** **2. WANG, BING** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/245,746 - 25-09-2009** **2. (PCT/US2010/049983) – 23-09-2011** **3.**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) PROCESS AND REAGENTS FOR THE INHIBITION OR REDUCTION OF SCALE FORMATION DURING PHOSPHORIC ACID PRODUCTION

Patent Period Started From 23/09/2011 and Will end on 22/09/2031

(57) Processes and reagents for inhibiting or eliminating scale formation during wet-process phosphoric acid production are provided and include adding to a wet- process phosphoric acid production stream a scale inhibiting amount of a reagent having an aliphatic or aromatic compound containing at least two hydroxy groups, and at least one amine.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/05/2012** **0933/2012** **June 2016** **14/12/2016** **27828**

(51)	**Int. Cl. [8] A01H 5/00 & C12N 5/04**
(71)	**1. DOW AGROSCIENCES LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. SATCHIVI, NORBERT, M** **2. ROBINSON, ANDREW** **3. HANGER, GREGORY, A** **4. WRIGHT, TERRY**
(73)	**1.** **2.**
(30)	**1. (US) 61/263,950 - 24-11-2009** **2. (US) 61/328,942 - 28-04-2010** **3. (PCT/US2010/057998) - 24-11-2010**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54)	**CONTROL OF AAD DICOT VOLUNTEERS IN MONOCOT CROPS**
	Patent Period Started From 24/11/2010 and Will end on 23/11/2030

(57) The subject invention relates in part to the control of AAD-12 and/or AAD-13 dicot volunteers in fields planted with monocot crops such as corn. The dicots can include soybeans and cotton.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/04/2012** **0649/2012** **June 2016** **14/12/2016** **27829**

(51)	**Int. Cl. [8] G01V 1/28**
(71)	**1. GECO TECHNOLOGY B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. LAAKE, Andreas W** **2. VELASCO, Larry** **3. FERBER, Ralf G** **4. STROBBIA, Claudio**
(73)	**1.** **2.**
(30)	**1. (US) 61/249,618 - 08-10-2009** **2. (US) 12/900,711 - 08-10-2009** **3. (PCT/US2010/051969) – 08-10-2010**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54)	**JOINT INTERPRETATION OF RAYLEIGH WAVES AND REMOTE SENSING FOR NEAR-SURFACE GEOLOGY**
	Patent Period Started From 08/10/2010 and Will end on 07/10/2030

(57) A computer implemented technique for use in seismic data interpretation and, more particularly, with respect to near-surface geological structures, includes a computer-implemented method, including: jointly interpreting a plurality of complementary data sets describing different attributes of a near-surface geologic structure; and ascertaining a near-surface geomorphology from the joint interpretation. In another aspect, the technique includes a program storage medium encoded with instructions that, when executed, perform such a method. In yet another aspect, the method includes a computing apparatus programmed to perform such a method.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/01/2013** **0099/2013** **July 2016** **14/12/2016** **27830**

(51)	**Int. Cl. [8] G01M 3/24**
(71)	**1. ENI S.P.A. (ITALY)** **2.** **3.**
(72)	**1. DI LULLO, Alberto, Giulio** **2. POGGIO, Alessia** **3. DE MARCHI, Eliana**
(73)	**1.** **2.**
(30)	**1. (MI) 001340 – 20-07-2010** **2. (PCT/EP2011/061926) – 13-07-2011** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**MONITORING AND ANALYSIS METHOD OF THE CONDITIONS OF A PIPELINE**
	Patent Period Started From 13/07/2011 and Will end on 12/07/2031

(57) Monitoring and analysis method of the conditions of a pipeline, comprising: providing an inspection device in expanded polymeric or elastomeric material comprising at least one measurement instrument, said measurement instrument including at least one casing and at least one sensor; introducing said inspection device into the pipeline; recovering said inspection device; wherein said casing is made of polymeric or elastomeric material, having a density, measured according to the regulation ASTM D3574, higher than or equal to 30 kg/m3, preferably ranging from 700 to 2,000 kg/m3. Said method allows the continuous registration and storage of useful parameters for revealing defects and/or anomalies inside the pipeline that transports gas and/or liquids, as well as possible variations in the internal diameter of the same.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/04/2011** **0531/2011** **June 2016** **14/12/2016** **27831**

(51)	**Int. Cl. [8] F25J 3/02,1/02**
(71)	**1. TECHNIP (FRANCE)** **2.** **3.**
(72)	**1. PARADOWSKI, Henri** **2. VOVARD, Sylvain** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 0856788 – 07-10-2008** **2. (PCT/FR2009/051884) – 02-10-2009** **3.**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) **METHOD FOR PRODUCING LIQUID AND GASEOUS NITROGEN STREAMS, A HELIUM-RICH GASEOUS STREAM, AND A DENITROGENED HYDROCARBON STREAM, AND ASSOCIATED PLANT**

Patent Period Started From 02/10/2009 and Will end on 01/10/2029

(57) The method of the invention includes cooling an inlet stream within an upstream heat exchanger. The method includes feeding the cooled inlet stream into a fractioning column and collecting the denitrogenated hydrocarbon stream at the bottom of the column. The method includes feeding a nitrogen-rich stream from the head of the column into a disengager and collecting the gaseous head stream from the disengager in order to form the helium-rich stream. The liquid stream from the base of the first disengager is separated into a liquid nitrogen stream and into a first reflux stream that is fed as a reflux into the head of the fractioning column.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/08/2010** **1344/2010** **August 2016** **15/12/2016** **27832**

(51)	**Int. Cl. [8] B01F 7/00**
(71)	**1. Science and technology development foundation (EGYPT)** **2. Abd-El Gawad Mohamed Abd-El Gawad** **3. Galal Abd-El Moein Mahmoud Nawwar**
(72)	**1. Abd-El Gawad Mohamed Abd-El Gawad** **2. Galal Abd-El Moein Mahmoud Nawwar** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MARWA ALAA EL DIN MOHAMED ABDEL-MEGUID**
(12)	**Patent**

(54)	**PULPER-MIXER WITH VARIABLE VELOCITIES AND TEMPERATURES**
	Patent Period Started From 09/08/2010 and Will end on 08/08/2030

(57) This invitation deals with a mixer work with different velocities different purposes .

Its theory depends on rotating the mixer core which mixes the rice pulp with the chemical solution in different velocities causing vortexes; in presence of stainless steel obstacles the pulp collusion and fiberized.

The mixer consists of the following main parts:

1- Chassis
2- Electrical Motor
3- Stainless Steel outer vessel
4- Stainless Steel Inner Vessel
5- Stainless Steel core (conical screw 2 starts)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/10/2012** **1790/2012** **August 2016** **18/12/2016** **27833**

(51)	**Int. Cl. [8] B05D 77/06, 77/04, 8/04**
(71)	**1. EUROKEG B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. HANSSEN, Hubert, Joseph, Frans** **2. VEENENDAAL, Jan, Dirk** **3. VEENENDAAL, Jan**
(73)	**1.** **2.**
(30)	**1. (EP) 10161157.2 – 2704/2010** **2. (EP) 10190570.1 – 09-11-2010** **3. (PCT/EP2011/056553) – 26-04-2011**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54)	**CONTAINER FOR LIQUIDS**
	Patent Period Started From 26/04/2011 and Will end on 25/04/2031

(57) The invention relates to a container for liquids, such as beverages and oils, comprising a blow moulded polyester casing, a valve for dispensing the liquid from the container, and an inlet for introducing a propellant. The casing is enveloped by a stretch blow moulded polyester shell.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/08/2014** **1244/2014** **August 2016** **18/12/2016** **27834**

(51)	**Int. Cl. [8] C11D 3/00, 3/16, 3/50 & A61K 8/49, 8/58 & A61Q 13/00**	
(71)	**1. HENKEL AG & CO. KGAA (GERMANY)** **2.** **3.**	
(72)	**1. BAUER, Andreas BAUER, Andreas** **2. HUCHEL, Ursula** **3. GERKE, Thomas**	**4. GERKE, Thomas** **5. SMYREK, Hubert** **6. GERIGK, Andreas**
(73)	**1.** **2.**	
(30)	**1. (DE) 102012201424.1 – 17-12-2012** **2. (PCT/EP2012/075717) – 17-12-2012** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54)	**COMBINATIONS OF 1-AZA-3,7-DIOXABICYCLO[3.3.0]OCTANE COMPOUNDS AND SILICIC ACID ESTERS, AS PRO-FRAGRANCES**

Patent Period Started From 17/12/2012 and Will end on 16/12/2032

(57) The invention relates to combinations of 1-aza- dioxabicyclo[3.3.0]octane compounds with silicic acid esters, methods for producing same, as pro-fragrances, as well as washing and cleaning agents, fabric softeners and cosmetics that contain same. The invention also relates to a method for prolonging the perception of fragrance in such agents.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/03/2013** **0486/2013** **July 2016** **18/12/2016** **27835**

(51)	**Int. Cl. [8] B63B 27/30**
(71)	**1. SAIPEM S.P.A. (ITALY)** **2.** **3.**
(72)	**1. ARDAVANIS, Kimon** **2. ROLLA, Edoardo** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) MI2010A001739 – 24-09-2010** **2. (PCT/IB2010/003362) – 29-12-2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**CARRIER VESSEL FOR SUPPLYING PIPES TO AN UNDERWATER-PIPELINE LAYING VESSEL, AND METHOD AND KIT FOR TRANSFERRING PIPES FROM A CARRIER VESSEL TO AN UNDERWATER-PIPELINE LAYING VESSEL**
	Patent Period Started From 29/12/2010 and Will end on 28/12/2030

(57) A carrier vessel, for supplying pipes to a laying vessel, has a weather deck; a hold for housing the pipes; two transfer stations for temporarily housing the pipes in respective given positions, and for guiding a gripping device connected to a crane; and two manipulators for gripping the pipes in the hold and releasing the pipes, in the respective given positions, inside the transfer station.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/11/2008** **0330/2008** **July 2016** **18/12/2016** **27836**

(51)	**Int. Cl. [8] A01H 5/00, 5/10,A01N 63/00,CO7K 14/325,C12N15/82**	
(71)	**1. MONSANTO TECHNOLOGY LLC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. BOGDANOVA, Natalia, N.** **2. CORBIN, David, R.** **3. MALVAR, Thomas, M.**	**4. PERLAK, Frederick, J.** **5. ROBERTS, James, K.** **6. ROMANO, Charles, P.**
(73)	**1.** **2.**	
(30)	**1. (US) 60/713,144 – 31-08-2005** **2. (PCT/US2006/033868) – 30-08-2006** **3.**	
(74)	**ABD ELHADI OFFICE**	
(12)	**Patent**	

(54) NUCLEOTIDE SEQUENCES ENCODING INSECTICIDAL PROTEINS

Patent Period Started From 30/08/2006 and Will end on 29/08/2026

(57) The present invention provides a novel insecticidal protein referred to herein as a Cry1A.105 insecticide, a composition comprising the insecticide, controlling insect infestation of a plant, for protecting a crop in a field from insect infestation, and for delaying the onset of resistance to a *Lepidopetran* species.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/02/2012** **0280/2012** **June 2016** **18/12/2016** **27837**

(51)	**Int. Cl. [8] A01H 5/00**	
(71)	**1. DOW AGROSCIENCES LLC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. YUUXING, Cory Cui** **2. JILL, Bryan** **3. DONALD, Maum** **4. GREG, Gilles** **5. TERRY, Wright**	**6. JENNIFER, Hamilton** **7. NICOLE, Arnold** **8. NATHAN, Vanopdorp** **9. TINA, Kaiser** **10. NING, Zhou**
(73)	**1.** **2.**	
(30)	**1. (US) 61/235,248 – 19-08-2009** **2. (PCT/US2010/045869) – 18-08-2010** **3.**	
(74)	**ABD ELHADI OFFICE**	
(12)	**Patent**	

(54) AAD-1 EVENT DAS-40278-9, RELATED TRANSGENIC CORN LINES, AND EVENT-SPECIFIC IDENTIFICATION THEREOF

Patent Period Started From 18/08/2010 and Will end on 17/08/2030

(57) This invention relates in part to plant breeding and herbicide tolerant plants. This invention includes a novel aad-1 transformation event in corn plants comprising a polynucleotide sequence, as described herein, inserted into a specific site within the genome of a corn cell. In some embodiments, said event / polynucleotide sequence can be "stacked" with other traits, including, for example, other herbicide tolerance gene(s) and/or insect-inhibitory proteins. Additionally, the subject invention provides assays for detecting the presence of the subject event in a sample (of corn grain, for example). The assays can be based on the DNA sequence of the recombinant construct, inserted into the corn genome, and on the genomic sequences flanking the insertion site. Kits and conditions useful in conducting the assays are also provided..

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/11/2013** **1820/2013** **June 2016** **18/12/2016** **27838**

(51)	**Int. Cl. [8] F04D 19/02, 21/00**
(71)	**1. GENERAL ELECTRIC COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. HOFER, Douglas, Carl** **2. GOTTAPU, Dhananjayarao** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 13/117.878 – 27-05-2011** **2. (PCT/US2012/039492) – 25-05-2012** **3.**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) SUPERSONIC COMPRESSOR ROTOR AND METHOD OF COMPRESSING A FLUID

Patent Period Started From 25/05/2012 and Will end on 24/05/2032

(57) A supersonic compressor rotor. The supersonic compressor rotor includes a substantially cylindrical disk body that includes an upstream surface, a downstream surface, and a radially outer surface that extends generally axially between the upstream surface and the downstream surface. The disk body defines a centerline axis. A plurality of vanes are coupled to the radially outer surface. Adjacent vanes form a pair and are oriented such that a flow channel is defined between each pair of adjacent vanes. The flow channel extends generally axially between an inlet opening and an outlet opening. At least one supersonic compression ramp is positioned within the flow channel. The supersonic compression ramp is selectively positionable at a first position, at a second position, and at any position therebetween

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/02/2013** **0251/2013** **July 2016** **19/12/2016** **27839**

(51)	**Int. Cl. [8] B44C 5/04**
(71)	**1. BIENZOBAS SAFFIE, FERNANDO ANDRES (CHILE)** **2.** **3.**
(72)	**1. BIENZOBAS SAFFIE, FERNANDO ANDRES** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (CL) 884-2010 – 19-08-2010** **2. (PCT/CL2011/000047) – 18-08-2011** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**SYSTEM AND METHOD FOR TWO DIMENSIONAL PRINTING ON A THREE DIMENSIONAL PRINTING SUPPORT**
	Patent Period Started From 18/08/2011 and Will end on 17/08/2031

(57) The invention relates to a 2D printing method on a 3D printing support, consisting of forming a printing support comprised of a plurality of colored fibers that follow a printing pattern, which once joined and shaped into a block, can be transversally cut, thereby obtaining printed sheets according to said printing pattern. The invention further relates to the printing support, comprised of a block, wherein in one embodiment same is composed of a plurality of hollow tubes having a cavity that can be filled with a coloring means and in another embodiment same is composed of solid tubes. After the coloring means hardens and the block solidifies, the latter can be transversally cut parallel to the printing face into a plurality of strips that will depend on the required volume of advertising signs, posters or banners, among others.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/12/2012** **1985/2012** **July 2016** **20/12/2016** **27840**

(51)	**Int. Cl. [8] A01N 27/00, 43/00, 37/00 & A01H 1/06**	
(71)	**1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND)** **2.** **3.**	
(72)	**1. HAAS, Ulrich Johannes** **2. WEIDER, Christophe** **3. ZEUN, Ronald** **4. ROSS, David Charles**	**5. KIDDER, Daniel Warden** **6. ZHEN, Yueqian**
(73)	**1.** **2.**	
(30)	**1. (EP) 10005802.3 – 04-06-2010** **2. (PCT/US2011/039086) – 03-06-2011** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) A METHED OF INEREASING THE ABIOTIC ENVIRONMENTAL STRESS TOLERANCE OF PLANT BY ADDING EYCELOPROPENE IN THE IRRIGATION WATER

Patent Period Started From 03/06/2011 and Will end on 02/06/2031

(57) The present invention is directed to novel methods of increasing the abiotic environmental stress tolerance of a plant, to methods of improving the quality and/or yield of a plant crop, to methods of application of a cyclopropene such as 1-MCP to a plant, and to crops produced using said methods. The concentration of 1-MCP in the water of irrigation may be from I to 1000 ppm, preferably 10 to 750 ppm, more preferably 50 to 500 ppm, yet more preferably from 100 to 250 ppm, for example 150, 175, 200 or 225ppm. In another embodiment, I-MCP use rates are about 0.1 50g per hectare of cultivated crop under irrigation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/05/2012** **0805/2012** **August 2016** **21/12/2016** **27841**

(51)	**Int. Cl. [8] H04W 36/00, 1/00, 16/32, 36/04**
(71)	**1. NTT DOCOMO, INC. (JAPAN)** **2.** **3.**
(72)	**1. IWAMURA, Mikio** **2. UMESH, Anil** **3. ISHII, Minami**
(73)	**1.** **2.**
(30)	**1. (JP) 2010-003204 - 08/11/2010** **2. (JP) 2009-252486 – 05-05-2011** **3. (PCT/JP2010/068951) – 26-10-2010**
(74)	**MAHMOUD RAGAII EL DEKKI**
(12)	**Patent**

(54)	**MOBILE COMMUNICATION METHOD AND MOBILE STATION**
	Patent Period Started From 26/10/2010 and Will end on 25/10/2030

(57) Appropriate transmissions of "entering/leaving proximity indication" can be implemented, while t**he** radio resources are being prevented from being wasted. If a predetermined time period has not elapsed since a mobile station (UE) of the present invention sent an "entering proximity indication" or "leaving proximity indication", the mobile station, even if having detected an entrance into a given area (#1), sends no "entering proximity indication", and further the mobile station, even if having detected an exit from the given area (#1), sends no "leaving proximity indication".

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/03/2010** **0385/2010** **September2016** **25/12/2016** **27842**

(51)	**Int. Cl. [8] B01J 8/00, 8/02, 8/12, 37/18 & F26B 17/12**	
(71)	**1. ENI S.P.A. (ITALY)** **2. INSTITUT FRANCAIS DU PETROLE (FRANCE)** **3.**	
(72)	**1. DOUZIECH, Damien** **2. VIGUIE, Jean-Christophe** **3. CAPRANI, Eric**	**4. FORRET, Ann** **5. CAUSSE, Gilles** **6. SCHWEITZER, Jean-Marc**
(73)	**1.** **2.**	
(30)	**1. (FR) 0705776 – 10-10-2007** **2. (PCT/FR2008/001287) – 15-09-2008** **3.**	
(74)	**MAGDA SHEHATA HAROUN , NADIA SHEHATA HAROUN**	
(12)	**Patent**	

(54) THIN-FILM FIXED BED REACTOR FOR THE CHEMICAL TREATMENT OF A FINELY DIVIDED CATALYTIC SOLID

Patent Period Started From 15/09/2008 and Will end on 14/09/2028

(57) The present invention describes a thin-film fixed bed reactor intended for chemical treatments, especially for the reduction of the Fischer-Tropsch synthesis catalyst. The reactor is designed in the form of similar compact modules, and observes a ratio of linear pressure loss to outlet pressure between certain limits

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/04/2012** **0606/2012** **August 2016** **26/12/2016** **27843**

(51)	**Int. Cl. [8] B41J 2/175, 29/38, 29/00 & G03G 15/00**
(71)	**1. SEIKO EPSON CORPORATION. (JAPAN)** **2.** **3.**
(72)	**1. ASAUCHF, NOBORU** **2. NAKA NO, SHUICHI** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2010-197316 – 03-09-2010** **2. (PCT/JP2011/004882) – 31-08-2011** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**PRINTER, PRINTING MATERIAL CARTRIDGE, PRINTING MATERIAL CONTAINER ADAPTER AND CIRCUIT BOARD**
	Patent Period Started From 31/08/2011 and Will end on 30/08/2031

(57) A printing material cartridge includes: a storage device; a plurality of first terminals connected to the storage device and supplied with power-supply voltage and signals for making the storage device operate from a printer; and a plurality of second terminals used for detecting an installed state of the printing material cartridge at a cartridge installation part. The first terminals have a plurality of first contact parts coming in contact with corresponding terminals of the printer in a state where the printing material cartridge is correctly installed at the cartridge installation part. The second terminals have a plurality of second contact parts coming in contact with corresponding terminals of the printer in the state where the printing material cartridge is correctly installed at the cartridge installation part. The first contact parts and the second contact parts are arranged to form a first row and a second row. Four of the second contact parts are positioned at both ends of the first row and the second row .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/08/2009** **1266/2009** **September 2016** **28/12/2016** **27844**

(51)	**Int. Cl. [8] C10M 105/38 & C09K 5/04**
(71)	**1. NIPPON OIL CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. SHIMOMURA, Yuji** **2. TAKIGAWA, Katsuya** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2007-047592 – 27-02-2007** **2. (JP) 2007-221526 – 08-08-2007** **3. (JP) 2007-280601 – 29-10-2007** **4. (PCT/JP2008/052651) – 18-02-2008**
(74)	**HODA AHMEDABDEL HADY**
(12)	**Patent**

(54) WORKING FLUID COMPOSITION FOR REFRIGERATOR

Patent Period Started From 18/02/2008 and Will end on 17/02/2028

(57) A working fluid composition for a refrigerating machine characterized by comprising:

An ester of a polyhydric alcohol and a fatty acid with a C5-C9 fatty acid content of 50-100 mol%, a C5-C9 branched fatty acid content of at least 30 mol% and a C5 or lower straight-chain fatty acid content of no greater than 40 mol% , and a fluoropropene refrigerant and/or a trifluoroiodomethane refrigerant.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/09/2012** **1511/2012** **August 2016** **28/12/2016** **27845**

(51)	**Int. Cl. [8] A01N 25/02 & A61K 9/00 & A01P 5/00, 7/00**
(71)	**1. ROTAM AGROCHEM INTERNATIONAL CO., LTD (CHINA)** **2.** **3.**
(72)	**1. BRISTOW, James Timothy** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (CN) (KE/P/2010/001068) - 01-04-2010** **2. (PCT/CN2011/072280) – 30-03-2011** **3.**
(74)	**YOUSEF MOHAMED HAFEZ**
(12)	**Patent**

(54)	**INSECTICIDE COMPOSITION**
	Patent Period Started From 30/03/2011 and Will end on 29/03/2031

(57) The present invention relates to a composition at least one C_2-C_4 dialkylene glycol mono/di- C_1-C_4 alkyl ether as a carrier.

Arab Republic of Egypt
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GRANTED PATENTS' ABSTRACTS GAZETTE

" PATENTS ISSUED IN JANUARY 2017 "

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(PATENT No. 27848) ……. (4)

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(PATENT No. 27851) ……. (7)

(PATENT No. 27852) ……. (8)

(PATENT No. 27853) ……. (9)

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(PATENT No. 27858) ……. (14)

(PATENT No. 27859) ……. (15)

(PATENT No. 27860) ……. (16)

(PATENT No. 27861) ……. (17)

(PATENT No. 27862) ……. (18)

(PATENT No. 27863) ……. (19)

(PATENT No. 27864) ……. (20)

(PATENT No. 27865) ……. (21)

(PATENT No. 27866) ……. (22)

(PATENT No. 27867) ……. (23)

(PATENT No. 27868) ……. (24)

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(PATENT No. 27875) ……. (31)

(PATENT No. 27876) ……. (32)

Preface

We are on the verge of a new era which is founded on the basis of technological development and hence, we have to follow it in all fields of national development . Technology has become the basis for the increase in national income and production and hence, scientific research has become our real hope as a way for advancement and as a necessity for life .

Emerging from the responsibility of the Academy of Scientific Research and Technology towards strengthening the pillars of science and technology , I have the pleasure to introduce the Granted Patent's Abstracts of the Publication of Patents monthly, Which includes bibliographical data . This periodical is directed to all those interested in the vital field of Intellectual property which encompasses patents, innovations and creative works .

I hope that this publication meets its targeted objective , namely increasing the welfare , prosperity and advancement for our beloved country, Egypt .

Acting President of Patent Office

Mr. Adel El- Saeid Oweide

Bibliographic data

Bibliographic data	symbol
Patent Number	11
Patent Kind	12
Application Number	21
Filing Date	22
Priority Number Priority Date Priority Country	30
Issuance Date	45
International Patent Classification	51
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Inventor Name	72
Patentee Name	73
Patent Attorney Name	74

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TJ	Tajikistan
TH	Thailand
TM	Turkmenistan
TN	Tunisia
TR	Turkey
TT	Trindad and Topago
TW	Taiwan
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UA	Ukraine
UG	Uganda
US	United States of America
UY	Uruguay
UZ	Uzbekistan
VC	Saint Vincent and the Grenadines

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ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
JANUARY (2017)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/08/2014** **1369/2014** **August 2016** **02/01/2017** **27846**

(51)	**Int. Cl. [8] A61F 13/15, 13/49**
(71)	**1. UNICHARM CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. ISHIKAWA, Shinichi** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2012-042897 – 29-02-2012** **2. (PCT/JP2013/054843) – 26-02-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**ABSORBENT ARTICLE MANUFACTURING DEVICE**
	Patent Period Started From 26/02/2013 and Will end on 25/02/2033

(57) Provided is a manufacturing device of an absorbent article with which a belt-shaped elastic member which is conveyed is contiguously attached upon a web. A manufacturing device comprises: a first rotation mechanism which conveys the elastic member along the outer circumference face; and a second rotation mechanism which conveys the elastic member along the outer circumference face while displacing the elastic member in the width direction. A distance (L1) between a separation point (P1) whereat the elastic member) comes away from the first rotation mechanism and a contact point (P2) whereat the elastic member comes into contact with the second rotation mechanism is shorter than turning radii (R1, R2) of the first rotation mechanism or the second rotation mechanism. The rotation speed of the second rotation mechanism is faster than the rotation speed of the first rotation mechanism. The elastic member is stretched and contracted in the conveyance direction between the separation point (P1) and the contact point (P2).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/11/2010** **1903/2010 PCT** **June 2016** **02/01/2017** **27847**

(51)	**Int. Cl. [8] C07C 17/14,17/26, 25/18, 253/14, 255/35, 51/09, 57/62**
(71)	**1. CHIESI FARMACEUTICI S.P.A (ITALY)** **2.** **3.**
(72)	**1. FOLLEAS, Benoit** **2. BOTTE, Hubert** **3. DELACROIX, Thomas** **4. PIVETTI, Fausto**
(73)	**1.** **2.**
(30)	**1. (EP) 08158022.7 - 11-06-2008** **2. (PCT/EP2009/003288) – 08-05-2009** **3.**
(74)	
(12)	**Patent**

(54)	**PROCESS OF PREPARING DERIVATIVES OF 1-(2-HALOBIPHENYL-4-YL)- CYCLOPROPANECARBOXYLIC ACID**
	Patent Period Started From 08/05/2009 and Will end on 07/05/2029

(57) The invention discloses a process for preparing a compound of general formula (i) and saltsthereof wherein x is a halogen atom and r is one or more halogen atoms process comprising the reaction of a compound (ii) wherein x is defined as above and x is selected from the group consisting of chlorine , bromine , iodine and a triflate group with a compound (iii) wherein r is defined as above , followed by radical brominaton of the obtained compound , conversion of the brominated derivative to the corresponding nitrile derivative which is with 1,2 - dibromoethane and finally converted to compound i by hydrolysis .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/10/2013** **1559/2013** **September 2016** **03/01/2017** **27848**

(51)	**Int. Cl. [8] A01N 47/36, 43/707 & A01P 13/00**
(71)	**1. ISHIHARA SANGYO KAISHA, LTD (JAPAN)** **2.** **3.**
(72)	**1. YAMADA, Ryu** **2. OKAMOTO, Hiroyuki** **3. TERADA, Takashi**
(73)	**1.** **2.**
(30)	**1. (JP) 2011-090116 – 14-04-2011** **2. (PCT/JP2012/060091) – 06-04-2012** **3.**
(74)	**SALWA M. JOSEPH**
(12)	**Patent**

(54) HERBICIDAL COMPOSITION COMPRISING FLAZASULFURON AND METRIBUZIN

Patent Period Started From 06/04/2012 and Will end on 05/04/2032

(57) Many herbicidal compositions have been developed and are presently used. However, weeds to be controlled are various in types and their emergence extends over a long period. Accordingly, it is desired to develop a herbicidal composition which has a broader herbicidal spectrum, a high activity and a long-lasting effect. The present invention provides a herbicidal composition comprising, as active ingredients, (a) flazasulfuron or its salt and (b) metribuzin or its salt.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/12/2013** **1884/2013** **June 2016** **08/01/2017** **27849**

(51)	**Int. Cl. [8] E21B 43/267**	
(71)	**1. PRAD RESEARCH AND DEVELOPMENT LIMITED (UNITED KINGDOM)** **2.** **3.**	
(72)	**1. LITVINETS, Fedor N.** **2. BOGDAN, Andrey V.** **3. MAKARYCHEV-MIKHAYLOV, Sergey M.** **4. MEDVEDEV, Oleg** **5. PENA, Alejandro** **6. LYAPUNOV, Konstantin M.** **7 MIKHAYLOV, Alexander V.**	**8. LESKO, Timothy M.** **9.. BROWN, J. Ernest** **10. WILLBERG, Dean M.** **11. KOSAREV, Ivan V.** **12. MEDVEDEV, Anatoly V.** **13. ABBOTT, Jonathan** **14. BURUKHIM, Alexander A.**
(73)	**1.** **2.**	
(30)	**1. (US) 13/494,503 - 12-06-2012** **2. (US) 61/520,788 - 15-06-2011** **3. (PCT/US2012/042480) – 13-06-2012**	
(74)	**AHMAD ABDELHADEY**	
(12)	**Patent**	

(54) A METHOD OF HETEROGENEOUS PROPPANT PLACEMENT IN A FRACTURE WITH REMOVABLE EXTRAMETRICAL MATERIAL FILL

Patent Period Started From 13/06/2013 and Will end on 12/06/2033

(57) A method of heterogeneous proppant placement in a subterranean fracture is disclosed. The method comprises injecting well treatment fluid including proppant and proppant-spacing filler material through a wellbore into the fracture, heterogeneously placing the proppant in the fracture in a plurality of proppant clusters or islands spaced apart by the material, and removing the filler material to form open channels around the pillars for fluid flow from the formation through the fracture toward the wellbore. The proppant and channelant can be segregated within the well treatment fluid, or segregated during placement in the fracture. The filler material can be dissolvable particles, initially acting as a filler material during placement of the proppant in the fracture, and later dissolving to leave the flow channels between the proppant pillars. The well treatment fluid can include extrametrical materials to provide reinforcement and consolidation of the proppant and, additionally or alternatively, to inhibit settling of the proppant in the treatment fluld.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/04/2011** **0532/2011** **July 2016** **08/01/2017** **27850**

(51)	**Int. Cl. [8] C21B 13/00, 13/02**
(71)	**1. LUOSSAVAARA-KIIRUNAVAARA AB (SWEDEN)** **2.** **3.**
(72)	**1. KNOP, Klaus** **2. ANGSTROM, Sten** **3.**
(73)	**1.** **2.**
(30)	**1. (SE) 0802100-8 - 06-10-2008** **2. (PCT/SE2009/051049) – 22-09-2009** **3.**
(74)	**ABD ELHADY INTELLECTUAL PROPERTY**
(12)	**Patent**

(54) PROCESS FOR PRODUCTION OF DIRECT REDUCED IRON

Patent Period Started From 22/09/2009 and Will end on 21/0/2029

(57) The present invention relates to a process for the direct reduction of iron ore performed by means of a plant comprising a gravitational furnace having at least one iron ore reduction zone in the upper part thereof, and at least one carbon deposition zone and one reduced metal product cooling zone in the lower part thereof, and means for feeding a reducing gas mixture into the reactor in correspondence to the with the reduction zone, means for recycle exhaust or reactor off gas from the reactor to syngas and mixing the recycled gas with natural gas to form a reducing gas mixture. According to the invention a in first reformation step unreacted carbon monoxide CO and steam present in the reactor off gas is reformed to carbon dioxide and hydrogen following the water gas shift reaction CO+H2O=CO2+H2, in a secondary reformation step the de-watered reactor off gas comprising mainly of carbon dioxide and hydrogen is processed to remove carbon dioxide, and in a third reformation step physical separation of both nitrogen and carbon oxide CO from the reducing syngas is carried out to bring down the levels of CO and any existing other gases in the recycled gas to as low level as possible such that recycled reducing gas is as close to pure hydrogen H2 as possible.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/03/2014** **0348/2014** **August 2016** **09/01/2017** **27851**

(51)	**Int. Cl. [8] A23L 1/304 & A23K 1/175 & C01G 3/04**	
(71)	**1. MICRONUTRIENTS USA LLC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. LEISURE, Nicholas, J** **2. Jackson, Carla, C** **3. Huang, Mingsheng**	**4. Moore, Theodore, B** **5. Steward, Frederick, A**
(73)	**1.** **2.**	
(30)	**1. (US) 61/532,402 - 08-09-2011** **2. (PCT/US2012/053960) – 06-09-2012** **3.**	
(74)	**BEROYOSS EP INTELLECTUAL PROPERTY**	
(12)	**Patent**	

(54) MICRONUTRIENT SUPPLEMENT

Patent Period Started From 06/09/2012 and Will end on 05/09/2032

(57) A micronutrient supplement which is made by reacting a metal oxide, or metal hydroxide, or metal carbonate of an essential mineral and an acid and/or a metal salt of an essential mineral containing a digestible binder to form a slurry of micronutrient crystals and a digestible binder and forming agglomerated particles of the micronutrient crystals from the slurry. The agglomerated particles provide a non-dusting, free-flowing micronutrient supplement that can be produced with desired particle sizes and densities so as to be easily mixed with a variety of feed mixtures. The digestible binder in the agglomerated particles reduces the opportunity for interactions between the micronutrient crystals and other ingredients that can be present in complex feed mixtures while allowing release of the micronutrients in an animal's digestive system.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/02/2007** **PCT/NA2007/000218** **July 2016** **09/01/2017** **27852**

(51)	**Int. Cl. [8] A61K 31/047, 31/506 & C 07D 403/12**	
(71)	**1. ASTRAZENECA** A.B (SWEDEN) **2.** **3.**	
(72)	**1. CHESHIRE, David, Ranulf** **2. COX, Rhona, Jane** **3. MEGHANI, Premji**	**4. PRESTON, Cherylin, Francis** **5. SMITH, Neal, Michael** **6. STONEHOUSE, Jeffrey, Paul**
(73)	**1.** **2.**	
(30)	**1. (GB) 0419255.7 - 28-08-2004** **2. (GB) 0502544.0 – 08-02-2005** **3. (PCT/GB2005/003257) – 23-08-2005**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) **PYRIMIDINE SULPHONAMIDE DERIVATIVES AS CHEMOKINE RECEPTOR MODUI.ATORS**

Patent Period Started From 23/08/2005 and Will end on 22/08/2025

(57) A compound of formula (1), or a pharmaceutically acceptable salt, solvate or in vivo hydrolysable ester thereof and pharmaceutical compositions comprising these, all for use in the treatment of chemokine mediated diseases and disorders.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/02/2014** **0286/2014** **October 2016** **10/01/2017** **27853**

(51)	**Int. Cl. [8] F21K 23/00**
(71)	**1. KAMAL MAZHAR MOHAMMAD HASAN (EGYPT)** **2.** **3.**
(72)	**1. KAMAL MAZHAR MOHAMMAD HASAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**AN ELECTRONIC DEVICE TO SHOW WITH SOUND AND LIGHT, THE SERIAL NO. OF THE FUSE THAT HAS BLOWN IN THE CAR, BUS OR TUK-TUK.**
	Patent Period Started From 26/02/2014 and Will end on 25/02/2034

(57) It contains a number of the LEDs equals the number of fuses of the vehicle, to light emitting tri-color as the following: LED lights up in green if its fuse is still intact, and in red if its fuse is blown. Add to LED which changes color from green to red if its fuse is blown, the alarm gives ?beep-beep? coming out of a small headphone surrounded by four LEDs to give a flash red light to attract the attention. After replacing the blown fuse with a new one, everything is back to what it was. It contains a button to test the device when pushing: *All LEDs of the fuses illuminate in orange color to inform that both green light and red light are intact. * The alarm gives ?beep-beep-beep?. * The four LEDs of the flash illuminate.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/07/2014** **1121/2014** **September 2016** **13/01/2017** **27854**

(51)	**Int. Cl. [8] B65B 59/04, 61/06, 09/04**
(71)	**1. GEA FOOD SOLUTIONS GERMANY GMBH (GERMANY)** **2.** **3.**
(72)	**1. STEFFEN, Andreas** **2. FEISEL, JOrg** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 10 2012 000127.4 – 06-01-2012** **2. (PCT/EP2013/050159) – 07-01-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**PACKAGING MACHINE HAVING A CUTTING STATION**
	Patent Period Started From 07/01/2013 and Will end on 06/01/2033

(57) The present invention relates to a packaging machine having a cutting station by way of which finished packaging is cut out of at least one film web by a cutting means and a mating means being moved towards one another by at least one drive.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/07/2014** **1109/2014** **August 2016** **11/01/2017** **27855**

(51)	**Int. Cl. [8] E01F 5/00**
(71)	**1. CONTECH ENGINEERED SOLUTIONS LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ASTON, SCOTT, D.** **2. CARFAGNO, MICHAEL, G.** **3. CREAMER, PHILIP, A**
(73)	**1.** **2.**
(30)	**1. (US) 61/595,404 – 06-02-2012** **2. (US) 61/598, 672- 14-02-2012** **3. (US) 61/714,323 – 16-10-2012** **4. (PCT/US2013/023999) – 31-01-2013**
(74)	**NAHID WADI RIZK**
(12)	**Patent**

(54) CONCRETE BRIDGE SYSTEM AND RELATED METHODS

Patent Period Started From 30/01/2013 and Will end on 30/01/2033

(57) A concrete culvert assembly includes a set of spaced apart elongated footers, a plurality of precast concrete culvert sections supported by the footers. Each concrete culvert section has an open bottom, an arch-shaped top wall and spaced apart side walls to define a passage thereunder, each of the side walls extending downward and outward from the top wall. Each of the side walls has a substantially planar inner surface and a substantially planar outer surface. First and second haunch sections each join one of the side walls to the top wall. Each side wall is tapered from top to bottom such that a thickness of each side wall decreases when moving from the top of each side wall to the bottom of each side wall. A bottom portion of each side wall has an exterior vertical flat extending upward from a horizontal bottom surface thereof.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/11/2013** **1711/2013** **September 2016** **13/01/2017** **27856**

(51)	**Int. Cl. [8] H04W 28/02 & H04L 12/54**	
(71)	**1. EINNOVATIONS HOLDINGS PTE. LTD (SINGAPORE)** **2.** **3.**	
(72)	**1. IBASCO, Alex D** **2. JOSON, Eduardo Ramon G.** **3. DIAZ, Manuel, O., Jr.**	**4. William Emmanuet S**
(73)	**1.** **2.**	
(30)	**1. (SG) 201103365-1 – 11/05/2011** **2. (PCT/SG2012/000162) – 09-05-2012** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) SYSTEM AND METHOD FOR ROUTING ELECTRONIC CONTENT TO A RECIPIENT DEVICE

Patent Period Started From 09/05/2012 and Will end on 08/05/2032

(57) A system and method for routing electronic content to a recipient device comprising a plurality of network nodes, each network node adapted to receive and forward electronic content and an activity profile server adapted to be in data communication with each network node, the activity profile server adapted to monitor the activity level of each network node and inform each network node on the congestion level of an adjacent network node; wherein each network node is adapted, on receiving the information on congestion level to store electronic content if the adjacent network node is congested and forward the electronic content to the adjacent network node if the adjacent network node is not congested is disclosed.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/03/2010** **0446/2010** **September 2016** **11/01/2017** **27857**

(51)	**Int. Cl. [8] C01G 1/04**	
(71)	**1. GREEN SOURCE ENERGY LLC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. FAN, Liang-tseng** **2. SHAFIE, Mohammad Reza** **3. TOLLAS, Julius Michael**	**4. LEE, William Arthur Fitzhugh**
(73)	**1.** **2.**	
(30)	**1. (US) 60/973,964 – 20-09-2007** **2. (US) 12/053,126 – 21-03-2008** **3 (US) 12/174,139 – 16-07-2008** **4. (PCT/US2008/010831) – 17-09-2008**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) EXTRACTION OF HYDROCARBONS FROM HYDROCARBON-CONTAINING MATERIALS

Patent Period Started From 17/09/2008 and Will end on 16/09/2028

(57) A method of extracting hydrocarbon-containing organic matter from a hydrocarbon-containing material includes the steps of providing a first liquid comprising a turpentine liquid; contacting the hydrocarbon-containing material with the turpentine liquid to form an extraction mixture; extracting the hydrocarbon material into the turpentine liquid; and separating the extracted hydrocarbon material from a residual material not extracted.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/03/2012** **0394D1/2012** **October 2016** **11/01/2017** **27858**

(51)	**Int. Cl. [8] D01D 5/22, 5/26**
(71)	**1. IMERYS PIGMENTS, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MCAMISH, Larry** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/554,371 -04-09-2009** **2. (PCT/US2010/047722) – 02-09-2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) STAPLE FIBERS INCLUDING AT LEAST ONE POLYMERIC RESIN AND AT LEAST ONE COATED FILLER

Patent Period Started From 02/09/2010 and Will end on 01/09/2030

(57) A staple fiber may include at least one polymeric resin and at least one coated filler. The at least one coated filler may have an average particle size of less than or equal to about 3 microns. A web may include a plurality of the staple fibers.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/11/2013** **1696/2013** **September 2016** **11/01/2017** **27859**

(51)	**Int. Cl. [8] F01K 27/00**
(71)	**1. ZIBO NATERGY CHEMICAL INDUSTRY CO., LTD (CHINA)** **2.** **3.**
(72)	**1. LIU, Angfeng** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (CN) 201110116942.2 - 08-05-2011** **2. (PCT/CN2012/000615) – 08-05-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD OF GENERATING HIGH SPEED AIRFLOW

Patent Period Started From 08/05/2012 and Will end on 07/05/2032

(57) Disclosed in the present invention is a method of generating high speed airflow, which attributes to the method of converting thermal energy or fluid energy into mechanical energy. Utilizing a device comprised of an air pipe), a circulating pipe and a starting and controlling system. The starting and controlling system is comprised of one or combination of any two or more of a refrigerator, a circulating pump and a heat exchanger. The method comprises the following steps: filling the device with a media; activating the starting and controlling system; after pressurized under liquid state, the media absorbing heat and gasified, and entering the air pipe, and generating high speed airflow. The method provides a method of utilizing low quality heat source to convert low speed airflow into high speed or extremely high speed airflow. Utilizing the method of generating high speed airflow in the present invention, the thermal energy carried by the flow in the nature is converted into mechanical energy efficiently.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/05/2009** **0787/2009** **September 2016** **11/01/2017** **27860**

(51)	**Int. Cl. [8] C05B 11/06, 9/00 & C05C 5/02 & C25D 1/00**
(71)	**1. EGYPTIAN PETROLEUM RESEARCH INSTITUTE (EPRI) (EGYPT)** **2.** **3.**
(72)	**1. HASSAN HEFNI HASSAN HEFNI** **2. MOHAMAD HASSAN MOHAMAD HUSSIN** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**A METHOD TO CONVERT THE BY-PRODUCTS RESULTING FROM PREPARATION OF CHITOSAN TO FERTILIZER**
	Patent Period Started From 26/05/2009 and Will end on 25/05/2029

(57) A method to convert the polluted and low-benefit by-products resulting from preparation of chitosan to fertilizer contain amino acids and some essential elements to plants such as (phosphorus and potassium) which protect the seeds and increasing the growth velocity in plants and crops production .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/02/2012** **0357/2012** **August 2016** **16/01/2017** **27861**

(51)	**Int. Cl. [8] F24J 2/14, 2/54**	
(71)	**1. FLAGSOL GMBH (GERMANY)** **2.** **3.**	
(72)	**1. KÖTTER, Jens** **2. WEINREBE, Gerhard** **3. SCHWEITZER, Axel**	**4. WIDMAYER, Mathias** **5. SCHIEL, Wolfgang**
(73)	**1.** **2.**	
(30)	**1. (DE) 102009039021.9 – 28-08-2009** **2. (DE) 20 2010 001 474.3 - 29-01-2010** **3. (US) 12/713,536 - 26-02-2010** **4. (PCT/EP2010/062343) – 24-08-2010**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54)	**PARABOLIC TROUGH COLLECTOR**
	Patent Period Started From 24/08/2010 and Will end on 03/08/2030

(57) The invention relates to a parabolic trough collector comprising a parabolic mirror support structure having a parabolic mirror surface applied thereto and an absorber support structure supporting an absorber tube, wherein both support structures are mechanically attached to each other in a fixed relative position on a torsion tube which is disposed below the parabolic mirror surface, and together with which both support structures are pivotally mounted about the rotational longitudinal axis of a parabolic trough collector. The aim of the invention is to reduce the design effort for the production of a parabolic mirror support structure and to increase the usable mirror surface. This is achieved by arranging the torsion tube such that the rotational longitudinal axis of the parabolic trough collector coincides with the center longitudinal axis of the torsional tube.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/11/2014** **1801/2014** **September 2016** **16/01/2017** **27862**

(51)	**Int. Cl. [8] B65D 85/804**
(71)	**1. HAUSBRANDT TRIESTE 1892 SPA (ITALY)** **2.** **3.**
(72)	**1. ZANETTI, Fabrizio** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) TV2012A000082 – 10-05-2012** **2. (PCT/IB2012/055029) – 21-09-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**CAPSULE**
	Patent Period Started From 21/09/2012 and Will end on 20/09/2032

(57) Capsule for the preparation of a beverage from a powdery or granular raw material comprising a body made of polymer material. The body has a top edge and a bottom edge, at least one of which is provided with a foil suitable for sealing said edge. The foil is provided with a tongue.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/11/2014** **1784/2014** **September 2016** **16/01/2017** **27863**

(51)	**Int. Cl. [8] B01J 8/02, C01B 3/38**
(71)	**1. CASALE SA (CHINA)** **2.** **3.**
(72)	**1. ZANICHELLI, Luca** **2. BERETTI, Andrea** **3.**
(73)	**1.** **2.**
(30)	**1. (CH) 12167344,6 – 09-05-2013** **2. (PCT/EP2013/059433) – 07-05-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) A METHOD FOR REVAMPING A SECONDARY REFORMER

Patent Period Started From 07/05/2013 and Will end on 06/05/2033

(57) A method for revamping a secondary reformer), the reformer comprising an internal gas riser pipe for routing a process gas from a bottom gas inlet to a combustion chamber located above a catalytic zone, distribution means for introduction of an oxidation agent such as process air into said combustion chamber, wherein the original distribution means of the oxidation agent are discontinued, the gas riser pipe is shortened and the outlet end of the shortened gas riser pipe is arranged to deliver a gas flow directed upwards; a new burner is installed on top of the reactor, said new burner being arranged to deliver an oxidization agent such as process air with a downward flow, thus obtaining a counterflow mixing zone and formation of a diffusion flame above the outlet end of the gas riser pipe.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/09/2014** **1554/2014** **September 2016** **17/01/2017** **27864**

(51)	**Int. Cl. [8] A23L 1/29, 1/05, 1/06**
(71)	**1. OTSUKA PHARMACEUTICAL FACTORY, INC. (JAPAN)** **2.** **3.**
(72)	**1. ENDO, Naoyuki** **2. MIZUKAI, Kazuya** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2012-079923 – 30/03/2012** **2. (PCTJP2013/056422) – 08-03-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) EMULSIFIED FOOD PRODUCT COMPOSITION

Patent Period Started From 08/03/2013 and Will end on 07/03/2033

(57) The purpose of the present invention is to provide an emulsified food product composition having good fluidity and emulsification stability, even when subjected to heat sterilization treatment, with which gastro-esophageal reflux can be prevented by gelling upon entering the stomach. By adding a gelling agent for gelling in the acidic region, at least one emulsion stabilizer selected from the group consisting of gum arabic and gum ghatti, and a divalent metal salt to the emulsified food product composition comprising a lipid, it is possible to realize the property of gelling upon entering the stomach and obtain good fluidity and emulsification stability, even if a heat sterilization treatment is used.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/05/2014** **0744/2014** **September 2016** **17/01/2017** **27865**

(51)	**Int. Cl. [8] B65D 75/58, 75/70, 85/72**
(71)	**1. IPI S.R.L (ITALY)** **2.** **3.**
(72)	**1. MOHN, Arne** **2. LOCCHI, Pier Luigi** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) MI2011002054 – 11-11-2011** **2. (PCT/IB2012/000927) – 11-05-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**CONTAINER FOR FOOD PRODUCTS**
	Patent Period Started From 11/05/2012 and Will end on 10/05/2032

(57) Container for pourable products, comprising a laminate of the type provided with both at least one layer made of paper or cardboard having at least one perforated portion and at least one aluminium layer directly or indirectly applied to the inside of said at least one paper or cardboard layer, and means for opening said container at least at said at least one perforated portion, characterized in that said at least one paper or cardboard layer has at least two discrete pre-weakening lines extending from said at least one perforated portion of said at least one paper or cardboard layer, and in that said means for opening the container comprises at least one tab provided with both at least one grip portion graspable from outside and at least one constraining portion comprising at least one first region which is directly or indirectly constrained to at least part of said at least one aluminium layer at said at least one perforated portion, said at least one grip portion being adapted for lifting both said at least one aluminium layer at said at least one first region and said at least one paper or cardboard layer between said at least two pre- weakening lines under the action of an external force.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/10/2013** **1664/2013** **September 2016** **17/01/2017** **27866**

(51)	**Int. Cl. [8] F24J 2/05, 2/14, 2/36, 2/50, 2/24 & H01L 31/012, 31/052**
(71)	**1. HELIOVIS AG (AUSTRIA)** **2.** **3.**
(72)	**1. STOGER, Elmar** **2. MUNZENRIEDER, Gerald** **3.**
(73)	**1.** **2.**
(30)	**1. (AT) A605/2011 – 29-04-2011** **2. (PCT/AT2012/000119) – 30-04-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DEVICE FOR CONCENTRATING SOLAR RADIATION IN AN ABSORBER

Patent Period Started From 30/04/2012 and Will end on 29/04/2032

(57) A device for concentrating solar radiation in an absorber, an anchoring frame and an inflatable concentrator pad, which has a light-transmissive entry window for coupling in the solar radiation and a reflector film subdividing the concentrator pad into at least two cavities, wherein the reflector film is designed to concentrate the solar radiation in the absorber which is arranged in the cavity of the concentrator pad, and with an anchoring frame, arranged outside of the concentrator pad, for anchoring the concentrator pad, wherein the absorber is attached to the anchoring frame by means of an absorber mount and the concentrator pad has at least one attachment opening for the absorber mount to pass through.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/01/2014** **0047/2014** **September 2016** **17/01/2017** **27867**

(51)	**Int. Cl. [8] C25C 3/08, C35C 3/16, C25C 3/20**	
(71)	**1. RIO TINTO ALCAN INTERNATIONAL LIMITED (CANADA)** **2.** **3.**	
(72)	**1. DUVAL, Christian** **2. RENAUDIER, Steeve** **3. BARDET Benoit**	**4. MARTIN, Olivier** **5. WAN TANG KUAN,STEPHANE**
(73)	**1.** **2.**	
(30)	**1. (FR) 11/02198 - 12-07-2011** **2. (FR)11/02199 - 12-07-2011** **3. (PCT/FR2012/000281) – 10-07-2012**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) ALUMINUM SMELTER INCLUDING CELLS HAVING A CATHODE OUTLET THROUGH THE BASE OF THE CASING, AND A MEANS FOR STABILIZING THE CELLS

Patent Period Started From 10/07/2012 and Will end on 09/07/2032

(57) The invention relates to an aluminum smelter, including: (i) a series of electrolytic cells including an anode, a cathode, and a casing having a side wall and a bottom wall, each cathode including at least one cathode outlet; (ii) a main electrical circuit through which an electrolytic current passes, and which includes an electrical conductor connected to each cathode outlet of a cell N, and to the anode of a cell N+1; and (iii) a means for stabilizing the electrolytic cells, which is provided in the form of either a secondary electrical circuit or a cathode having a crenulated surface. One of the cathode outlets of the cell N passes through the bottom wall of the casing. Each electrical conductor extends from each cathode outlet of the cell N to the cell N+1, and the electrolytic current passes therethrough only in an upstream-to-downstream direction during the operation of the electrolytic cells N and N+1.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/06/2012** **1089/2012** **October 2016** **17/01/2017** **27868**

(51)	**Int. Cl. [8] B01 D61/36, 71/16 & C02 F 103/08**		
(71)	**1. Mona Mahmoud Naim (EGYPT)** **2. Alexandria University (EGYPT)** **3.**		
(72)	**1. Mona Mahmoud Naim Mahmoud Mohamed Elewa** **2. Abeer Ahmed Moneer Mostafa** **3.**	**4. Ahmed Abd-Allah Ahmed El-Shafei** **5. Mohamed Elsayed Omar Yehia** **6. Abdel-Aatti Farag Abdel-Aziz Karm-Allah**	**7.Amr Mohamed Hasan Mohamed Hassan** **8.Mohamed Ahmed Saad Ahmed Alzahaar** **9.Mohamed Salah Soliman Tolba Yosse** 10 . Mohamed Ali Fathy Mohamed Edris
(73)	**1.** **2.**		
(30)	**1.** **2.** **3.**		
(74)	**FOCAL POINT ALEX UNRIRSITY**		
(12)	**Patent**		

(54)	**DESALINATION OF SEA WATER USING PERVAPORATION**
	Patent Period Started From 13/06/2012 and Will end on 12/06/2032

(57) Potable water is produced from saline water (up to 120 g NaCl/l) or sea water by a simple one stage sweeping air pervaporation technique. The polymeric membrane of special morphology prepared by the phase-inversion method, is cast from a solution of four specific organic solvents, and yields a high water flux (up to 74 l/m2.day) at pervaporation temperatures below 50?C. The membrane does not suffer from fouling or scaling even after prolonged operation times and maintains its properties after prolonged operation. The retentate can be used for salt recovery by simple crystallization or by evaporation in open ponds.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/09/2010** **1478/2014** **September 2016** **18/01/2017** **27869**

(51)	**Int. Cl. [8] C12P 19/02**
(71)	**1. NOVAMONT S.P.A (ITALY)** **2.** **3.**
(72)	**1. BASTIOLI, Catia** **2. BORSOTTI, Giampietro** **3. CAPUZZI, Luigi**
(73)	**1.** **2.**
(30)	**1. (IT) NO2012A000002 – 20-03-2012** **2. (PCT/EP2013/055787) – 20-03-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESS FOR THE PRODUCTION OF ORGANIC COMPOUNDS FROM PLANT SPECIES

Patent Period Started From 20/03/2013 and Will end on 19/03/2033

(57) This invention relates to a process for the production of fermentable C5-C6 sugars from oleaginous herbaceous plants comprising the steps of: a) mechanically separating the seeds from the above-ground lignocellulose biomass and breaking-up said lignocellulose biomass; b) placing the above-ground lignocellulose biomass in contact with a basic aqueous solution so as to obtain a paste containing from 10 to 50% by weight of the said lignocellulose biomass at temperature of between 10 and 95 ?C for a time of between 1 minute and 24 hours; c) separating out the paste obtained in step b) in a solid fraction containing essentially hemicellulose and cellulose; in a liquid fraction containing lignin and extractables; d) subjecting the said solid fraction containing essentially hemicellulose and cellulose to enzyme hydrolysis.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/01/2013** **0147/2013** **July 2016** **18/01/2017** **27870**

(51)	**Int. Cl. [8] A61M 5/32**
(71)	**1. RETRACTABLE TECHNOLOGIES, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. SMALL, Mark** **2. ZHU, Ni** **3. SHAW, Thomas, J.**
(73)	**1.** **2.**
(30)	**1. (US) 12/846,402 - 29-07-2010** **2. (PCT/US2011/044668) – 20-07-2011** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**NON-REUSABLE COLLECTION DEVICE FOR BODILY FLU**
	Patent Period Started From 20/07/2011 and Will end on 19/07/2031

(57) A non-reusable device for collecting bodily fluids such as vascular blood from a patient, the device being configured for example to receive a blood collection tube and having a retractable needle attached to a rearwardly biased needle holder that is constrained prior to needle retraction by a rotatably mounted lug ring and that is released during retraction by depressing a trigger pivotably connected to the body of the device to rotate the lug ring, whereby the needle holder is driven into a retraction cavity disposed inside the trigger and the front tip of the needle is retained inside the body of the device.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/07/2013** **1129/2013** **September 2016** **23/01/2017** **27871**

(51)	**Int. Cl. [8] G06Q 10/00**
(71)	**1. DIGITAL CODING AND TRACKING ASSOCIATION (SWITZERLAND)** **2.** **3.**
(72)	**1. CHATELAIN, Philippe** **2. FRADET, Erwan** **3. CHANEZ, Patrick** **4. SAGR,ALAIN**
(73)	**1.** **2.**
(30)	**1. (EP) 10252258.8 – 30-12-2010** **2. (PCT/EP2011/073588) – 21-11-2011** **3.**
(74)	**Abd Elhade CO.**
(12)	**Patent**

(54) METHOD AND APPARATUS FOR MARKING MANUFACTURED ITEMS

Patent Period Started From 21/11/2011 and Will end on 20/12/2031

(57) There is provided a method and apparatus for marking manufactured items. The method comprises providing a cryptographic key, in an inactive state, to a point in a supply chain for the manufactured items, providing the cryptographic key, in an active state, and an activation code for activating the cryptographic key, to a verification centre, and providing the activation code to the point in the supply chain in response to the point in the supply chain transmitting information relating to the received cryptographic key. The activation code allows the cryptographic key in the inactive state to be activated to form the cryptographic key in the active state. The method further comprises generating, at the point in the supply chain, an identification (ID) code for each manufactured item. The ID code is derived from the cryptographic key in the active state and a dynamic key generated for each batch of manufactured items. The method further comprises providing the dynamic key for each batch of manufactured items to the verification centre, marking each manufactured item with the ID code, and counting the actual or correct number of ID codes marked on the manufactured items. The method and apparatus may be used for tax verification (for goods subject to taxation), production volume verification and authentication.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/06/2014** **0907/2014** **September 2016** **23/01/2017** **27872**

(51)	**Int. Cl. [8] C07C 273/04**
(71)	**1. CASALE S.A (SWITEZRLAND)** **2.** **3.**
(72)	**1. SIOLI, Giancarlo** **2. CAVUOTI, Giacomo** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 11192011,2 – 05-12-2011** **2. (PCT/EP2012/072669) – 12-11-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) **A PROCESS FOR SYNTHESIS OF UREA AND A RELATED ARRANGEMENT FOR A REACTION SECTION OF A UREA PLANT**

Patent Period Started From 12/11/2012 and Will end on 114/11/2032

(57) A process for synthesis of urea and a related reaction section of a urea plant, where: ammonia and carbon dioxide are reacted in a liquid phase in a first reaction zone (S1) and heat (Q1) is withdrawn from said first reaction zone to promote the formation of ammonium carbamate, the liquid product (103) from said first reaction zone is then passed to a second reaction zone (S2) distinguished from said first reaction zone, and heat (Q2) is added to said second reaction zone to promote the decomposition of ammonium carbamate into urea and water, where the liquid phase in at least one of said first reaction zone and second reaction zone is kept in a stirred condition. A downflow reactor for carrying out the above process is also disclosed.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/12/2012** **2042/2012** **August 2016** **30/01/2017** **27873**

(51)	**Int. Cl. [8] F24J 2/07, 2/10, 2/46**	
(71)	**1. COMMISSARIAT A LENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES** **2. CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE** **3.**	
(72)	**1. PRA, Franck** **2. COUTURIER, RaphaEl** **3. FERRIERE, Alain**	**4. TOCHON, Patrice**
(73)	**1.** **2.**	
(30)	**1. (FR) 10 54658 - 11-06-2010** **2. (PCT/EP2011/059725) – 10-06-2011** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) MODULAR SOLAR RECEIVER AND SOLAR POWER PLANT COMPRISING AT LEAST ONE SUCH RECEIVER

Patent Period Started From 10/06/2011 and Will end on 09/06/2031

(57) Solar receiver (R2) for a thermal power plant comprising a plurality of absorber modules (M1, M2), each absorber module (M1, M2) comprising at least one face intended to be illuminated by a solar flux, in which the modules (M1, M2) are arranged side by side to form a paving. Each absorber module (M1, M2) further comprises its own fluid circuit (4) in which a fluid intended to be heated up by the solar flux is intended to flow, the fluid circuits of the absorber modules (M1, M2) being connected to one another.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/06/2014** **1091/2014** **September 2016** **30/01/2017** **27874**

(51)	**Int. Cl. [8] A61F 13/49, 13/511, 13/53**
(71)	**1. UNICHARM CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. MATSUSHIMA, Hideki** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2011-289357 - 28-12-2011** **2. (PCT/JP2012/079641) – 15-11-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**AN ABSORBENT ARTICLE HAVING A SECOND SHEET ARRANGED BETWEEN A TOP SHEET AND AN ABSORBER**
	Patent Period Started From 15/11/2012 and Will end on 14/11/2032

(57) This absorptive article has a liquid-permeable front surface sheet, a liquid-impermeable outer cover sheet, an absorption body, and a second sheet. The absorptive article also has a first region in which the skin contact-side surface of the absorption body and the second sheet are in contact with each other, and has a second region in which the skin contact-side surface of the absorption body and the front surface sheet are in contact with each other. Compressed sections formed by compressing the absorption body in the thickness direction are formed on the absorption body. The front surface sheet and the second sheet are arranged along the skin contact-side surface of the absorption body, and as a result, first recesses and second recesses are formed in the skin contact-side surface of the absorptive article, the first and second recesses following the compressed sections of the absorption body. The depth of the first recesses in the first region is less than the depth of the second recesses in the second region.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/12/2012** **2043/2012** **August 2016** **30/01/2017** **27875**

(51)	**Int. Cl. [8] F24J 2/07, 2/16, 2/24, 2/ 28, 2/34, F24J 2/46**	
(71)	**1. COMMISSARIAT A LENERG/IE ATOMIQUE ET AUX ENERGIES ALTERNATIVES** **2. CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE** **3.**	
(72)	**1. COUTURIER, Rapha?l** **2. FERRIERE, Alain** **3. PRA, Franck**	**4. TOCHON, Patrice** **5. VIDOTTO, Fabien**
(73)	**1.** **2.**	
(30)	**1. (FR) 10 54660 - 11-06-2010** **2. (PCT/EP2011/059719) – 10-06-2011** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) ABSORBER FOR A SOLAR RECEIVER AND SOLAR RECEIVER COMPRISING AT LEAST ONE SUCH ABSORBER

Patent Period Started From 10/06/2011 and Will end on 09/06/2031

(57) Invention relates to an absorber for a solar receiver (R) of a solar power tower, comprising a housing, at least one wall of which is to be irradiated by the solar radiation, a core made of at least one material having good thermal conductivity and at least partially surrounded by the housing, and a plurality of tubes extending through the core and distributed into a plurality of layers, wherein the tubes extend substantially in a direction parallel to the wall to be irradiated, said tubes being intended for circulating a fluid to be heated, for example a gas for operating a gas turbine.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/09/2012** **1551/2012** **October 2016** **30/01/2017** **27876**

(51)	**Int. Cl. [8] A23L1/00**
(71)	**1.** Michel Tawfek. Bakhoum (Egypt) **2.** **3.**
(72)	**1.** Michel Tawfek. Bakhoum **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 14/046.957 - 05-10-2013** **2.** **3.**
(74)	**Wafiek Zaki Ibrahim Mikhail**
(12)	**Patent**

(54) Apparatus and Method for Simultaneous Imprinting and Piercing of Dough

Patent Period Started From 29/09/2014 and Will end on 28/09/2034

(57)

The present invention relates to a device and method for sealing and punching dough simultaneously to produce inevitable bread. The dough consists of flour, water and yeast for the production of loaves of bread, stamped in Coptic religious symbols, including Coptic letters, crosses, circles and squares. The seal is achieved using patterns that are decorated with a prominent engraving engraved on the top plate which is pressed on a bottom plate containing the dough placed in the bottom of the bottom panel. The sealing is performed after the dough fermentation step in the process of processing the loaves of bread, including the steps of flattening, fermentation, sealing and baking.

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology

GRANTED PATENTS' ABSTRACTS GAZETTE

" PATENTS ISSUED FEBRUARY IN 2017 "

Egyptian Patent Office

Issue No 249 **MARCH 2017**

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(PATENT No. 27883) ……. (8)

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(PATENT No. 27886) ……. (11)

(PATENT No. 27887) ……. (12)

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(PATENT No. 27917) ……. (32)

(PATENT No. 27918) ……. (32)

Preface

We are on the verge of a new era which is founded on the basis of technological development and hence, we have to follow it in all fields of national development . Technology has become the basis for the increase in national income and production and hence, scientific research has become our real hope as a way for advancement and as a necessity for life .

Emerging from the responsibility of the Academy of Scientific Research and Technology towards strengthening the pillars of science and technology , I have the pleasure to introduce the Granted Patent's Abstracts of the Publication of Patents monthly, Which includes bibliographical data . This periodical is directed to all those interested in the vital field of Intellectual property which encompasses patents, innovations and creative works .

I hope that this publication meets its targeted objective , namely increasing the welfare , prosperity and advancement for our beloved country, Egypt .

Acting President of Patent Office

Mr. Adel El- Saeid Oweide

Bibliographic data

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Patent Number	11
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International Patent Classification	51
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Abstract	57
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Inventor Name	72
Patentee Name	73
Patent Attorney Name	74

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SV	El Salvador
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SZ	Swaziland
TD	Chad
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TJ	Tajikistan
TH	Thailand
TM	Turkmenistan
TN	Tunisia
TR	Turkey
TT	Trindad and Topago
TW	Taiwan
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UG	Uganda
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UZ	Uzbekistan
VC	Saint Vincent and the Grenadines

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VN	Viet Nam
YD	Yemen
YU	Yugoslavia
ZA	South Africa
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
FEBRUARY (2017)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/10/2012** **1810/2012** **August 2016** **02/02/2017** **27877**

(51)	**Int. Cl. [8] A01N 43/54 & A61K 31/505**	
(71)	**1. DOW AGROSCIENCES LLC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. BOEBEL, Timothy** **2. LORSBACH, Beth** **3. MARTIN, Timothy** **4. OWEN, W. John**	**5. SULLENBERGER, Michael** **6. WEBSTER, Jeffery** **7. YAO, Chenglin**
(73)	**1.** **2.**	
(30)	**1. (US) 61/327,855 - 26-04-2010** **2. (PCT/US2011/033203) – 20-04-2011** **3.**	
(74)	**ABD ELHADI OFFICE**	
(12)	**Patent**	

(54) N_3-SUBSTITUTED-- N_1-SULFONYL-5-FLUOROPYRIMIDINONE DERIVATIVES

Patent Period Started From 20/04/2011 and Will end on 19/04/2031

(57) This present disclosure is related to the field of N_3-substituted- N_1-sulfonyl-5-fluoropyrimidinones and their derivatives and to the use of these compounds as fungicides.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/12/2013** **1883/2013** **August 2016** **06/02/2017** **27878**

(51)	**Int. Cl. [8] B32B 37/00, 37/04, 5/24 & C09J 5/00**
(71)	**1. 3M INNOVATIVE PROPERTIES COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BIEGLER, Kristopher K** **2. GORMAN, Michael R** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 13/160,036 - 14-06-2011** **2. (PCT/US2012/040682) – 04-06-2012** **3.**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) APPARATUS AND METHODS FOR IMPINGING A FLUID ON A SUBSTRATE

Patent Period Started From 04/06/2012 and Will end on 03/06/2032

(57) Apparatus and methods for impinging a heated fluid onto the surface of a substrate and then locally removing the impinged fluid. The apparatus and methods may be used to heat a surface of a substrate e.g. so that the substrate can be melt-bonded to another substrate.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/02/2014** **0142/2014** **August 2016** **06/02/2017** **27879**

(51)	**Int. Cl. [8] A61C 13/15**
(71)	**1. HEBAA ELRAHMAN AHMED HAFEEZ (EGYPT)** **2.** **3.**
(72)	**1. HEBAA ELRAHMAN AHMED HAFEEZ** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**DEVICE AND METHOD FOR RESTORATION OF BODIES BY NANO-POWDERS AND LASER**
	Patent Period Started From 02/02/2014 and Will end on 01/02/2034

(57) Method and Apparatus for repairing surface defects in different bodies. The unit consists of the injector device for payment and distribution of powderes by inert gas, The unit has also source of a laser beam for sintering process. Laser source and injector are placed inside holder above the treated body and moves horizontally. The preparation process is done by impeding powder particles inside the crach, Jet of argon gas is pushed to distribute powder, the UV laser beam is focused inside the crack. Sintering process is done for powder particles which leads to the healing of the granules with the original body and with each other.

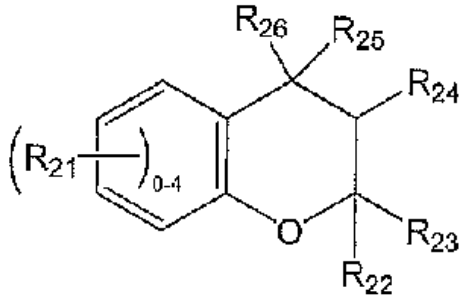
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/06/2013** **0991/2013** **August 2016** **06/02/2017** **27880**

(51)	**Int. Cl. [8] C08J 3/20, C08K 5/00 & 5/1545**	
(71)	**1. CYTEC TECHNOLOGY CORP. (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. SAMUELS, Sari-Beth** **2. STEELE, Thomas** **3. ENG, J. Mon, Hei**	**4. GUPTA, Ram** **5. PENG, Lingqing**
(73)	**1.** **2.**	
(30)	**1. (US) 61/422,255 - 13-12-2010** **2. (PCT/US 2011/064320) – 12-12-2011** **3.**	
(74)	**ABD ELHADI OFFICE**	
(12)	**Patent**	

(54) PROCESSING ADDITIVES AND USES OF SAME IN ROTATIONAL MOLDING

Patent Period Started From 12/12/2011 and Will end on 11/12/2031

(57) The cycle time of polymer compositions subjected to a rotomolding process is improved {i.e., reduced), while the processing window is simultaneously enlarged through the use of a polymer-stabilizing amount of a processing stabilizer system having at least one chroman-based compound according to Formula V:



(V).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/01/2014** **0019/2014** **August 2016** **06/02/2017** **27881**

(51)	**Int. Cl. [8] B65D 75/38**
(71)	**1. NEVOT BANUS, JORDI (SPAIN)** **2.** **3.**
(72)	**1. NEVOT BANUS, JORDI.** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (ES) P201131146 - 06-07-2011** **2. (PCT/ES2012/070505) – 06-07-2012** **3.**
(74)	**SMAS INTELLECTUAL PROPERTY**
(12)	**Patent**

(54) METHOD FOR FORMING A TUBULAR CONTAINER FOR FOOD PRODUCTS, AND RESULTING TUBE

Patent Period Started From 06/07/2012 and Will end on 05/07/2032

(57) The present invention relates to a method for forming a tubular container for food products and to the resulting container. The method comprises the following steps performed on a flexible sheet:

a) folding or rolling a portion of said flexible sheet forming a first tubular body;

b) sealing one of the bases (1a) of the first tubular body;

c) folding or rolling the rest of the flexible sheet which is not part of said first tubular body concentrically around the first tubular body, forming a second tubular body outside the first tubular body; and

d) joining part of the final longitudinal end of the inner surface of the second tubular body to part of the outer surface of the first tubular body, forming two independent cavities: a first cavity inside the first tubular body; and a second cavity inside the second tubular body and outside the first tubular body.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/12/2014** **2056/2014** **October 2016** **07/02/2017** **27882**

(51)	**Int. Cl. [8] C 02F 1/ 46**
(71)	**1. UNILEVER PLC (UNITED KING DOM)** **2.** **3.**
(72)	**1. GHOSH, Somnath** **2. RAJANARAYANA, Venkataraghavan** **3. RAMANUJAPURAM, Anirudh, Anandampillai** **4. ALENCHERRY, Tinto, Johnichan**
(73)	**1.** **2.**
(30)	**1. (EP) 12177445.9 - 23-07-2012** **2. (PCT/EP2013062008) – 11-06-2013** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) A METHOD FOR PURIFICATION OF WATER USING CAPACITIVE DEIONISATION

Patent Period Started From 11/06/2013 and Will end on 10/06/2033

(57) Disclosed is a method of deionising water by capacitive deionisation comprising repeating series of cycles during which water is passed through at least one pair of oppositely charged electrodes, each cycle comprising: (i) a charging step; (ii) a first short-circuiting step; (iii) a discharging step consisting of reversal of the applied charge on the electrodes; and (iv) a second short-circuiting step, wherein polarity applied to each electrode in each pair of oppositely charged electrodes during said charging step of a given series of repeating cycles is reversed during the charging step of the immediately following series of repeating cycles and wherein each said series comprises 10 to 20 cycles.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/07/2011** **1248/2011** **October 2016** **07/02/2017** **27883**

(51)	**Int. Cl. [8] F24j 2/48**
(71)	**1. SAINT-GOBAIN INDUSTRIEKERAMIK RODENTAL GMBH (GERMANY)** **2.** **3.**
(72)	**1. HACK, Udo** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 10 2009 006 953.4 - 30-01-2009** **2. (PCT/EP2010/051134) – 29-01-2010** **3.**
(74)	**NAHED WADIH RIZK**
(12)	**Patent**

(54)	**A METHOD FOR OBTAINING A CERAMIC ABSORBER MEMBER FOR SOLAR RADIATION**
	Patent Period Started From 23 /01/2010 and Will end on 22/01/2030

(57) The invention relates to a method for production of a ceramic absorber member for solar radiation with a first surface and a second surface opposite the first surface, wherein the absorber member has a large number of channels running substantially in straight lines, linking the first surface to the second surface, characterized by the following process steps: producing an absorber member green preform, material-stripping processing of the first surface of the absorber member green preform to enlarge the first surface, and firing the absorber member green preform .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/11/2011** **2016/2011** **October 2016** **07/02/2017** **27884**

(51)	**Int. Cl. [8] F25j 3/00**	
(71)	**1. ORTLOFF ENGINEERS, LTD (UNITED STATES OF AMERICA)** **2. S.M.E. PRODUCTS LP(UNITED STATES OF AMERICA)** **3.**	
(72)	**1. JOHNKE, Andrew, F** **2. LEWIS, W., Larry** **3. WILKINSON, John, D**	**4. LYNCH, Joe, T** **5. HUDSON, Hank, M** **6. CUELLAR, Kyle, T**
(73)	**1.** **2.**	
(30)	**1. (US) 61/186,361 - 11-06-2009** **2. (US) 12/689,616 - 19-01-2010** **3. (US) 12/717,394 - 04-03-2010** **4. (US) 12/750,862 - 31-03-2010** **5. (PCT/US2010/033374) – 03/05/2010**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) HYDROCARBON GAS PROCESSING

Patent Period Started From 03/05/2010 and Will end on 02/05/2030

(57) A process and an apparatus are disclosed for the recovery of ethane, ethylene, propane, propylene, and heavier hydrocarbon components from a hydrocarbon gas stream in a compact processing assembly. The gas stream is cooled and divided into first and second streams. The first stream is further cooled to condense substantially all of it and is thereafter expanded to lower pressure and heated to form a vapor fraction and a liquid fraction. The liquid fraction is supplied as a first top feed to an absorbing means inside the processing assembly. The second stream is also expanded to lower pressure and supplied as the bottom feed to the absorbing means. A first distillation vapor stream is collected from the upper region of the absorbing means and combined with the vapor fraction to form a combined vapor stream.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/04/2013** **0732/2013** **September 2016** **07/02/2017** **27885**

(51)	**Int. Cl. [8] B01d 39/20, 39/08, 39/16**
(71)	**1. UNILEVER PLC (UNITED KINGDOM)** **2.** **3.**
(72)	**1. CHATTERJEE, Jaideep** **2. GUPTA, Santosh, Kumar** **3. RAMACHANDRAN, Rajeesh, Kumar**
(73)	**1.** **2.**
(30)	**1. (IN) 3023/MUM/2010 - 15-12-2010** **2. (EP) 10195083.0 - 01-11-2010** **3. (PCT/EP2011/067690) – 11-10-2011**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) A PROCESS FOR MAKING A FILTER BLOCK CUM SEDIMENT FILTER

Patent Period Started From 11/10/2011 and Will end on 10/10/2031

(57) The present invention relates to a process for making a filter block cum sediment filter, suitable for use in gravity-fed filtration units, which provides for filtering particulate contaminants and also have relatively high flow rates and life. According to another aspect,the present invention relates to filter blocks cum sediment filter obtained by such process. It is an object of present invention to provide a bound filter block with a sediment filter integrally fitted on its outer surface for use in gravity-fed filtration units. It has been found that when a hemispherical carbon filter block having a sediment filter integrally fitted to its external surface is used for removal of particulate contaminants in the gravity fed-filtration devices,it provides relatively high flow rates and enhanced life.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/02/2013** **0196/2013** **October 2016** **07/02/2017** **27886**

(51)	**Int. Cl. [8] G01L 21/00, 19/00**	
(71)	**1. FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. (GERMANY)** **2.** **3.**	
(72)	**1. LOHWASSER, Markus** **2. JANDER, Manuel** **3. NEUENDORF, Max** **4, GEIGER, Ralf**	**5. SCHNELL, Markus** **6. HILDENBRAND, Matthias** **7. CHALUPKA, Tobias**
(73)	**1.** **2.**	
(30)	**1. (US) 61/373,126 - 12-08-2010** **2. (PCT/EP2011/063848) – 11-08-2011** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) RESAMPLING OUTPUT SIGNALS OF QMF BASED AUDIO CODECS

Patent Period Started From 11/08/2011 and Will end on 10/08/2031

(57) An apparatus for processing an audio signal is provided. The apparatus comprises a configurable first audio signal processor for processing the audio signal in accordance with different configuration settings (conf) to obtain a processed audio signal, wherein the apparatus is adapted so that different configuration settings (conf) result in different sampling rates (sr1) of the processed audio signal. The apparatus furthermore comprises n analysis filter bank having a first number of analysis filter bank channels, a synthesis filter bank having a second number of synthesis filter bank channels, a second audio processor being adapted to receive and process an audio signal having a predetermined sampling rate (sr2), and a controller for controlling the first number of analysis filter bank channels or the second number of synthesis filter bank channels in accordance with a configuration setting (conf).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/05/2012** **0826/2012** **October 2016** **07/02/2017** **27887**

(51)	**Int. Cl. [8] C08F 10/00**	
(71)	**1. BOREALIS AG (AUSTRIA)** **2.** **3.**	
(72)	**1. SMEDBERG, Annika** **2. KÄLLSTRAND, Birgitta** **3. NILSSON, Ulf** **4. HAGSTRAND, Per-Ola** **5. ENGLUND, Villgot**	**6. DOMINGUEZ, Gustavo** **7. OLSSON, Carl-Olof** **8. RONGSHENG, Liu** **9. JEROENSE, Marc**
(73)	**1.** **2.**	
(30)	**1. (AS) 09175688.2 - 11-11-2009** **2. (PCT/EP2010/066712) – 03-11-2010** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) CROSSLINKABLE POLYMER COMPOSITION AND CABLE WITH ADVANTAGEOUS ELECTRICAL PROPERTIES

Patent Period Started From 03/11/2010 and Will end on 02/11/2030

(57) The invention relates to a polymer composition with improved DC electrical properties and to a cable surrounded by at least one layer comprising the polymer composition.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/04/2012** **0689/2012** **October 2016** **07/02/2017** **27888**

(51)	**Int. Cl. [8] G10L 19/00**	
(71)	**1. FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V. (GERMANY)** **3.**	
(72)	**1. FUCHS, Guillaume** **2. SUBBARAMAN, Vignes*h*** **3. RETTELBACH, Nikolaus** **4. MULTRUS, Markus**	**5. GAYER, Marc** **6. WARMBOLD, Patrick** **7. GRIEBEL, Christian** **8. WEISS, Oliver**
(73)	**1.** **2.**	
(30)	**1. (US) 61/253.459 – 20-10-2009** **2. (PCT/EP2010/065726) – 19-10-2010** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) AUDIO ENCODER, AUDIO DECODER, METHOD FOR ENCODING AN AUDIO INFORMATION, METHOD FOR DECODING AN AUDIO INFORMATION

Patent Period Started From 19/10/2010 and Will end on 18/10/2030

(57) An audio decoder for providing a decoded audio information on the basis of an encoded audio information comprises an arithmetic decoder for providing a plurality of decoded spectral values on the basis of an arithmetically-encoded representation of the spectral values and a frequency-domain-to-time-domain converter for providing a time-domain audio representation using decoded spectral values, in order to obtain the decoded audio information. The arithmetic decoder is configured to select a mapping rule describing a mapping of a code value onto a symbol code in dependence on a context state. The arithmetic decoder is configured to determine a numeric current context value describing the current context state in dependence on a plurality of previously decoded spectral values and also in dependence on whether a spectral value to be decoded is in a first predetermined frequency region or in a second predetermined frequency region. An audio encoder provides an encoded audio information on the basis of an input audio information.

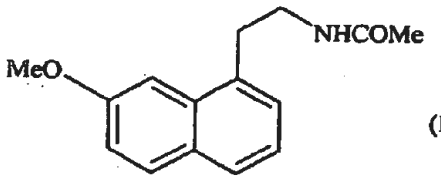
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/08/2009** **1184/2009** **September 2016** **07/02/2017** **27889**

(51)	**Int. Cl. [8] C07C 231/02, 233/18, 235/78**
(71)	**1. LES LABORATOIRES SERVIER (FRANCE)** **2.** **3.**
(72)	**1. CHRISTOPHE HARDOUIN** **2. JEAN PIERRE LECOUVE** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 08.04464 – 05-08-2008** **2. (PCT/FR2009/000973) - 04/08/2009** **3.**
(74)	**SAMAR AHMED EL LABAD**
(12)	**Patent**

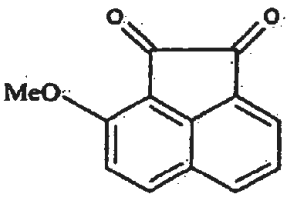
(54) NEW PROCESS FOR THE SYNTHESIS OF AGOMELATINE

Patent Period Started From 04/08/2009 and Will end on 03/08/2029

(57) Process for the industrial synthesis of the compound of formula (I)



(I)



(II)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/03/2012** **0394/2012** **September 2016** **08/02/2017** **27890**

(51)	**Int. Cl. [8] D01D 5/26, 5/22**
(71)	**1. IMERYS PIGMENTS, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MCAMISH, Larry** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/554,371 – 04-09-2009** **2. (PCT/US2010/047722) – 02-09-2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) **FIBERS COMPRISING AT LEAST ONE FILLER, PROCESSES FOR THEIR PRODUCTION, AND USES THEREOF**

Patent Period Started From 02/09/2010 and Will end on 01/09/2030

(57) Disclosed herein are fibers, such as staple fibers, comprising at least one polymeric resin and at least one coated filler, wherein the at least one coated filler has an average particle size of less than or equal to about 3 microns, and wherein the at least one coated filler is present in an amount of less than or equal to about 50% by weight, relative to the total weight of the fibers. Also disclosed herein are methods for producing staple fibers, webs, fabrics, and carpets comprising adding at least one filler to at least one polymeric resin and processing the resulting mixture.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/09/2012** **1564/2012** **September 2016** **12/02/2017** **27891**

(51)	**Int. Cl. [8] E61B 17/02**
(71)	**1. MICHAEL GIRGIS FAHIM MARZOUK (EGYPT)** **2.** **3.**
(72)	**1. MICHAEL GIRGIS FAHIM MARZOUK** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**METHOD OF BUILDING HYBRID STRUCTURE FROM INFLATABLE TUBULAR CASINGS**
	Patent Period Started From 11/09/2012 and Will end on 10/09/2032

(57) The building tube is tube of oval cross-section and the longitudinal section is rectangle or triangle made of aluminum or other materials and collected together" in longitudinal rows and incidental rows by threading to build casing built the building pipe of rectangular casing is cylindrical built the building pipe of triangular casing is circular or conical then install those casings with each other in a number of possibilities by hinges and screws to be large one casing then inflate the casing with air bag to be structure (spacecraft -spaceships - space stations - space hotels - settlement on the moon and mars) and inflate with helium bags to be structure of hybrid semi rigid airships .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/12/2011** **2183/2011** **October 2016** **12/02/2017** **27892**

(51)	**Int. Cl. [8] F23J 1/00**
(71)	**1. CEMEX RESEARCH GROUP AG (SWIZERLAND)** **2.** **3.**
(72)	**1. VAZQUEZ FAVELA, Javier** **2. RAMIREZ CARRERO, Maria Claudia** **3. SOSA BLANCO, Cesar Alberto** **4. BOLIO ARCEO, Hugo**
(73)	**1.** **2.**
(30)	**1. (PCT/EP2009/004936) – 08/07/2009** **2.** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) A METHOD AND INSTALLATION FOR BENEFICIATION OF FLY ASH PARTICLES BY FLASH COMBUSTION

Patent Period Started From 08/07/2009 and Will end on 07/07/2029

(57) The invention concerns a method for beneficiation of fly ash particles comprising : - determining the heat value of the fly ash particles; - comparing the determined heat value of the fly ash particles with a minimum heat value K; - feeding an inlet of a combustor with a feed material comprising the fly ash particles and, in case the determined heat value is lower than the minimum heat value K, fuel in sufficient quantity to assure that the heat value of the raw material is greater than or equal to the minimum heat value K; - supplying an upstream airflow to the combustor so as to carry the feed material in suspension from the inlet to an outlet of the combustor; - operating the combustor at a temperature of at least 700?C; - collecting beneficiated fly ash particles from the airflow at the outlet of the combustor. The invention also concerns an installation for implementation of the said method.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/05/2013** **0864/2013** **October 2016** **12/02/2017** **27893**

(51)	**Int. Cl. [8] E21B 17/18, 17/10, 23/14, 43/04**
(71)	**1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. EDWARDS, Jeff S** **2. GARCIA, Luis A** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/981.07 – 29-12-2010** **2. (PCT/US2011/065837) – 19-12-2011** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) SECONDARY FLOW PATH MODULE, GRAVEL PACKING SYSTEM INCLUDING THE SAME, AND METHOD OF ASSEMBLY THEREOF

Patent Period Started From 19/12/2011 and Will end on 18/12/2031

(57) An apparatus for gravel packing includes a sand screen and a secondary flow path module. The module is installed over the sand screen with the sand screen positioned radially inward the secondary flow path module. The secondary flow path module includes a protective cover to which the secondary flow path hardware is attached on an interior of the protective cover.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/10/2012** **1727/2012** **October 2016** **13/02/2017** **27894**

(51)	**Int. Cl. [8] B01J (8/02,9/24) & F28D 9/00**
(71)	**1. CASALE SA (SWITZERLAND)** **2.** **3.**
(72)	**1. RIZZI, Enrico** **2. FILIPPI, Ermanno** **3. TAROZZO, Mirco**
(73)	**1.** **2.**
(30)	**1. (EP) 1015941.1- 08-04-2010** **2. (PCT/EP2011/053761) – 14-03-2011** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) CHEMICAL REACTOR WITH A PLATE HEAT EXCHANGER

Patent Period Started From 14/03/2011 and Will end on 13/03/2031

(57) A steam cooled chemical reactor comprising a vertical vessel, a plate heat exchanger embedded in a catalytic bed, to cool the catalytic bed by evaporation of a cooling water flow, wherein a water inlet and a steam outlet are located underneath the heat exchanger, and the plates and related piping are arranged so that the path of the cooling flow comprises a first ascending path from bottom to top of the catalytic bed, and a second descending path from top to the bottom of catalytic bed, and wherein internal evaporation channels of the plates provide the second descending or the first ascending path, and water upcomers or respectively steam downcomers provide the other of said first and second path.

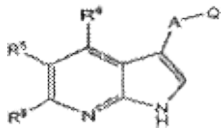
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/12/2007** **PCT/NA2007/001439** **MAY 2016** **14/02/2017** **27895**

(51)	**Int. Cl. [8] A61K 31/437 & C07D 471/04 & A61P 35/00**	
(71)	**1. PLEXXIKON, INC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. IBRAHIM, Prahbha, N** **2. ARTIS, Dean, R** **3. BREMER, Ryan** **4. MAMO, Shumeye** **5. NESPI, Marika** **6. ZHANG, Chao** **7. ZHANG, Jiazhong** **8. ZHU, Yong-Liang** **9. TSAI, James**	**10. HIRTH, Klaus-Peter** **11. BOLLAG, Gldeon** **12. SPEVAK, Wayne** **13. CHO, Hanna** **14. GILLETTE, Samuel, J** **15. WU, Guoxiam** **16. ZHU, Hongyao** **17. SHI, Shenghua.**
(73)	**1.** **2.**	
(30)	**1. (US) 60/692,960 - 22-06-2005** **2. (US) 60/731,528 - 28-10-2005** **3. (PCT/US2006/024361) – 21-06-2006**	
(74)	**HODA AHMEDABDEL HADY**	
(12)	**Patent**	

(54) **PYRROLO[2,3-B] PYRIDINE DERIVATIVES AS PROTEIN KINASE INHIBITORS**

Patent Period Started From 21/06/2006 and Will end on 20/06/2026

(57) Compounds of formula III which are active on protein kinases are described, as well as methods of using such compounds to treat diseases and conditions associated with aberrant activity of protein kinases.



(III)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/10/2007** **1045/2007** **September 2016** **14/02/2017** **27896**

(51)	**Int. Cl. [8] B65D 90/36**
(71)	**1. FIKE CORPORATION (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. SHAW, Bon F** **2. Stilweel,Bradford** **3. Krebill,Michael,D** **4. Leonard,Brent,w**
(73)	**1.** **2.**
(30)	**1. (US) 11/096.466 - 01-04-2005** **2. (PCT/US2006/010989) – 23-03-2006** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) REVERSE ACTING RUPTURE DISC WITH LASER-DEFINED ELECTROPOLISHED LINE OF WEAKNESS AND METHOD OF FORMING THE LINE OF WEAKNESS

Patent Period Started From 23/03/2006 and Will end on 22/03/2026

(57) A reverse acting rupture disc is provided having a laser defined electropolished line- of- weakness recess, and an improved method of forming an electropolished line-of- weakness recess in a reverse acting rupture disc that assures full opening of the disc upon reversal. A rupture disc blank is pre-bulged, final bulged, and then provided with a layer of resist material. A laser is used to remove at least a portion of the layer of resist material corresponding to a desired line-of-weakness recess in the concave face of the bulged rupture disc. The disc is then subjected to an electropolishing operation to remove metal from the lased area of the rupture disc, thereby forming a lustrous polished line-of-weakness recess in the disc of desired configuration and of a predetermined depth that is related to material thickness. The electropolished line of weakness is defined by spaced opposed channel portions separated by a central raised crown portion wherein the channel portions are of greater depth than the crown portion. The burst/reversal pressure of the disc having an electropolished line-of-weakness recess may be selectively controlled by varying the pre- bulging pressure on the disc.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/11/2013** **1703/2013** **September 2016** **15/02/2017** **27897**

(51)	**Int. Cl. [8] B32B 5/28 & A42B 3/3**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. NERMIN MOHAMED ALY MOHAMED** **2. MARWA ATIF ALI ABDULLAH** **3. AHMED ELSAID ABD EIFATTAH AMR**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MAGDA MHASSEB ELSAYED**
(12)	**Patent**

(54) IMPROVING THE PROTECTION AND COMFORT PROPERTIES OF MOTORCYCLE HELMET IN TERMS

Patent Period Started From 07/11/2013 and Will end on 06/11/2033

(57) Motorcyclists are at high risk in traffic crashes particularly for head injury and in some cases, it leads to death. In our society, many motorcyclists don't pay attention to wear helmets during driving or to purchase helmets that follow the safety standards, either for lack of awareness or for economic reasons. The study aimed at improving the protection and comfort properties of the motorcycle helmet through utilizing the local textile materials and weaving structures characteristics in the manufacturing of motorcycle helmet prototype. The work was divided into stages according to the motorcycle helmet structure. The influence of using fiber-reinforced composites on the impact and penetration resistance of the helmet outer shell was investigated with respect to weight. The comfort and protection properties of the inner padding layer were improved with using woven fabrics and chemical treatments to gain antibacterial, UV resistance and self-cleaning properties. Also for helmet liner, expanded polystyrene foam with different densities was studied. Woven strips with different structure parameters were used as chin strips to increase comfort and safety as well. Laboratory test results were evaluated to choose the best samples in each layer in terms of the final functional performance. The helmet outer shell was molded as an open-face helmet and the best samples of each layer were gathered for the final tests to evaluate the produced helmet prototypes efficiency in protection. The study proved that woven fabric properties greatly effect on improving the protection and comfort performance of the helmet.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/03/2014** **0340/2014** **September 2016** **15/02/2017** **27898**

(51)	**Int. Cl. [8] A23L 1/00**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. Amal Ebrahim Abd El-Kader** **2. ATAA ABD EL-HALIM SAID** **3. Gamila Solyman Mohmed** **4. Anan Mohmed Aly**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MAGDA MHASSEB ELSAYED**
(12)	**Patent**

(54)	**TITIE ENCAPSULATION OF NATURAL OILS BY SODIUM ALGINATE AND CALCIUM CHLORIDE**
	Patent Period Started From 05/03/2014 and Will end on 04/03/2034

(57) Encapsulation of nutritive oils by means of sodium alginate and calcium chloride as follows : 1- sodium alginate (polymer) was dissolved in solution 2- addition of the active agent (oil)to the sodium alginate solution 3- stirring the mixture of sodium alginate and the oil till homogeneity 4- dropping the mixture through the separating funnel on the calcium chloride solution with stirring till the formation of the beads 5- collection of the beads drying .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/02/2014** **0167/2014** **November 2016** **15/02/2017** **27899**

(51)	**Int. Cl. [8] C08F 21/02, 220/06, 220/58, 222/06, 2/38 & C11D 3/37**
(71)	**1. BASF SE (GERMANY)** **2.** **3.**
(72)	**1. GADT, Torben** **2. DETERING, JErgen** **3. NIED, Stephan**
(73)	**1.** **2.**
(30)	**1. (EP) 11177170.5 - 10-08-2011** **2. (PCT/EP2012/064406) – 23-07-2012** **3.**
(74)	**TAHA HANAFY MAHMOUD**
(12)	**Patent**

(54)	**COPOLYMERS MADE OF ISOPRENOL, MONOETHYLENICALLY UNSATURATED MONOCARBOXYLIC ACIDS AND SULPHONIC ACIDS, PROCESS FOR PRODUCING SAME AND USE OF SAME AS DEPOSIT INHIBITORS IN SYSTEMS CONVEYING WATER**
	Patent Period Started From 23/07/2012 and Will end on 22/07/2032

(57) The invention relates to copolymers of (a) from 5 to 40% by weight of isoprenol, (b) from 5 to 93% by weight of at least one monoethylenically unsaturated C3 to C8 monocarboxylic acid, or of an anhydride or salt of same, (c) from 2 to 90% by weight of one or more monomers containing sulphonic acid groups.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/02/2014** **0176/2014** **November 2016** **15/02/2017** **27900**

(51)	**Int. Cl. [8] C02F 5/08 & C04l 33/02, 35/00**	
(71)	**1. BASF SE (GERMANY)** **2.** **3.**	
(72)	**1. DETERING, Jürgen** **2. GÄDT, Torben** **3. NIED, Stephan**	**4. KEMPTER, Andreas** **5.URTEL, Bolette** **6.NEUMANN, Jessica n**
(73)	**1.** **2.**	
(30)	**1. (EP) 11177163,0 – 10-08-2011** **2. (PCT/EP2012/065308) – 06-08-2012** **3.**	
(74)	**TAHA HANAFY MAHMOUD.**	
(12)	**Patent**	

(54) POLYMER BLENDS AS COATING INHIBITORS IN WATER-CARRYING SYSTEMS

Patent Period Started From 06/08/2012 and Will end on 05/08/2032

(57) The invention relates to a polymer blend in solid or aqueous form containing, relative to the polymer content, (A) 5 to 95 wt% of a water-soluble or water-dispersible polymer with an average molecular weight of 1000 to 20000 g/mol consisting of (a1) 20 to 80 wt% of at least one monomer, selected from the group consisting of C2-C8 olefins, allyl alcohol, isoprenol, C1-C4 alkyl vinyl ethers and vinyl esters of C1-C4 monocarboxylic acids, (a2) 20 to 80 wt% of at least one monoethylenically unsaturated C3-C8 carboxylic acid, an anhydride or a salt thereof, (a3) 0 to 50 wt% of one or more monomers containing sulphonic acid groups, (B) 5 to 95 wt% of a water-soluble or water-dispersible polymer with an average molecular weight of 1000 to 50000 g/mol consisting of (b1) 30 to 100 wt% of at least one monoethylenically unsaturated C3-C8 carboxylic acid, an anhydride or a salt thereof, (b2) 0 to 70 wt% of one or more monomers containing sulphonic acid groups, (b3) 0 to 70 wt% of at least one non-ionic monomer of formula (I), H2C=C(R1)(CH2)xO[R2-O]o-R3, wherein R1 represents hydrogen or methyl, R2 represents the same or different, linear or branched C2-C6 alkylene groups, which can be arranged block-wise or statistically, and R3 represents hydrogen or a straight-chain or branched C1-C4 alkyl group, x representing 0, 1 or 2 and o for a number between 3 and 50.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/04/2010** **0532/2010** **September 2016** **15/02/2017** **27901**

(51)	**Int. Cl. [8] H01M 4/86, 8/10**
(71)	**1. Hammed Hassan Abdel-Maksoud Hassan (EGYPT)** **2.** **3.**
(72)	**1. Hammed Hassan Abdel-Maksoud Hassan** **2. Amel Hassan Fawzy Elhusseiny** **3. Amr Mohamed Sweyllam**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**Alexandria University- focal Point**
(12)	**Patent**

(54)	**ELECTROLYTIC MEMBRANE FOR FUEL CELLS MADE FROM POLY (TERPHTHALOYL AMIDO DIPHENYLSULFONE) NANOPARTICLES AND ITS PREPARATION METHOD**
	Patent Period Started From 01/04/2010 and Will end on 02/04/2030
(57)	Fuel cells are electrochemical cells that convert a source fuel into an electrical current. The present work describes design of sulfonated ionomer in nanoscale and bulk scale that met the following requirements: i) the formed aramide exhibits film-forming property by a simple process. Ii) appropriate commercially available monomers. Iii) the formed aramide in bulk scale exhibits high thermal stability and semiconducting properties. Iv) the material insoluble in water, alcohols, acetic acid or formic acid. V) nanoscale preparation of the ionomer furnished narrow-sized well-separated spherical nanoparticles with average diameter 106 nm .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/09/2014** **1438/2014** **September 2016** **19/02/2017** **27902**

(51)	**Int. Cl. [8] B01D 53/14**
(71)	**1. Evonik Degussa GmbH (GERMANY)** **2.** **3.**
(72)	**1. WILLY, Benjamin** **2. RINKER, Stefanie** **3. NEUMANN, Manfred** **4. NIEMEYER, Jochen** **5. KEUP, Michael** **6. WITTHAUT, Daniel** **7. SEILER, Matthias** **8. ROLKER, JOrn** **9. SCHNEIDER, Rolf** **10. DEMBKOWSKI, Daniel** **11. BREHME, Volker**
(73)	**1.** **2.**
(30)	**1. (DE) 10 2012 207 509.7 - 07-05-2012** **2. (PCT/EP 2013/058288) – 22-04-2013** **3.**
(74)	**Nahed Wade Rezk**
(12)	**Patent**

(54) METHOD FOR ABSORBING CO FROM A GAS MIXTURE

Patent Period Started From 22/04/2013 and Will end on 21/04/2033

(57) In a method for absorbing CO2 from a gas mixture, precipitation of a solid during the absorption of CO2 and separation into two liquid phases during the regeneration of an absorption medium can be avoided by using an absorption medium that comprises water and at least one amine of formula (I), wherein * R1 is a group -(CH2) n-(XCH2CH2) m-Y-R3 with * R3 = hydrogen or alkyl group having 1 to 6 carbon atoms, * X and Y are NR3, oxygen, SO, or SO2 independently of each other, wherein for Y = SO and for Y = SO2, R3 is not hydrogen, and wherein Y-R3 can be an N-morpholinyl group or an N-piperazyl group, * n = 2 to 4, * m = 0 to 4, and * R2 is hydrogen, an alkyl group having 1 to 6 carbon atoms, or a group R1, * wherein m is different from 0 if R2 is not a group R1, Y = NR3, and Y-R3 is not an N-morpholiny group and is not an N-piperazyl group.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/02/2012** **0264/2012** **April 2016** **19/02/2017** **27903**

(51)	**Int. Cl. [8] B08B 3/02**
(71)	**1. UNILEVER PLC (UNITED KINGDOM)** **2.** **3.**
(72)	**1. KAMKAR, Kirtan Shravan** **2. SHRESTH, Rudra Saurabh** **3. BHATTACHARYA, Arpita**
(73)	**1.** **2.**
(30)	**1. (IN) 1903/MUM/2009 – 19-08-2009** **2. (PCT/EP2010/061556) – 09-08-201** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54)	**DEVICE TO CLEAN SUBSTRATES**
	Patent Period Started From 09/08/2010 and Will end on 08/08/2030

(57) The present invention relates to a process and a device for cleaning substrates. In particular the invention relates to an air-water jet device connected to a detergent dosing system. It is therefore an object of the present invention to provide air- water jet device for cleaning fabric articles with enhanced performance; and to provide a dosing device for a detergent composition that may be connected to an air-water jet device. Surprisingly it has been found that a dispensing chamber for a detergent composition DET between the water source and the outlet of the water nozzle provides improved cleaning of an air-water jet.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/09/2012** **1531/2012** **September 2016** **19/02/2017** **27904**

(51)	**Int. Cl. [8] C08L 23/06, H01B 3/44**	
(71)	**1. BOREALIS AG (AUSTRIA)** **2.** **3.**	
(72)	**1. NILSSON, Ulf** **2. HAGSTRAND, Per-Ola** **3. ENGLUND, Villgot**	**4. FARKAS, Andreas** **5 RITUMS, Janis**
(73)	**1.** **2.**	
(30)	**1. (EP) -10156721.2 - 17-03-2010** **2. (PCT/EP2010/052990) – 01-03-2011** **3.**	
(74)	**NAHED WADIH RIZK**	
(12)	**Patent**	

(54) POLYMER FORMULATION FOR THE PRODUCTION OF A STRUCTURE FOR AN ELECTRIC POWER CABLE

Patent Period Started From 01/03/2011 and Will end on 28/02/2031

(57) The invention relates to a polymer composition with improved DC electrical properties, to the use of the composition for producing a cable layer and to a cable surrounded by at least one layer comprising the polymer composition.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/11/2013** **1799/2013** **September 2016** **19/02/2017** **27905**

(51)	**Int. Cl. [8] C03C 17/245, 17/00**
(71)	**1. SAINT-GOBAIN GLASS FRANCE (FRANCE)** **2.** **3.**
(72)	**1. KHARCHENKO, Andriy** **2. ROUSSEAU, Jean-Paul** **3. JUNG, Antje** **4. PETERSEN, Christian Bernhard**
(73)	**1.** **2.**
(30)	**1. (FR) 1155329 - 17-06-2011** **2. (PCT/FR2012/051348) – 15-06-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESS FOR MANUFACTURING GLAZING COMPRISING A POROUS LAYER

Patent Period Started From 15/06/2012 and Will end on 14/06/2032

(57) The invention relates to a process for manufacturing glazing comprising a substrate, in particular a glass substrate, provided with a coating comprising at least one layer consisting of a porous material, in particular for which the refractive index is thus reduced thereby, comprising the following steps: depositing on the substrate, via a physical vapour deposition (PVD) process in a vacuum chamber, a coating comprising at least one layer of a material comprising at least one element selected from Si, Ti, Sn, Al, Zr, In or a mixture of at least two of these elements, oxygen and carbon, said layer in addition optionally comprising hydrogen, heat treatment of the layer thus deposited, under conditions that enable at least one portion of the carbon to be removed and said layer of porous material to be obtained, said process being characterized in that said deposition is carried out, on the substrate passing through said chamber, by the sputtering of a carbon target, under a reactive, preferably oxidizing, plasma atmosphere comprising at least one precursor of the element or elements.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/07/2012** **1305/2012** **September 2016** **19/02/2017** **27906**

(51)	**Int. Cl. [8] E21B 17/02**
(71)	**1. SUNSTONE TECHNOLOGIES, LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. HUGHES, William James** **2. LANE, Bryan** **3. BRIGGS, Gary Marshall**
(73)	**1.** **2.**
(30)	**1. (US) 12/695.569 – 28-01-2010** **2. (PCT/IB2011/050329) – 25-01-2011** **3.**
(74)	**SAMAR AHMED ELLBAD**
(12)	**Patent**

(54) TAPERED SPLINE CONNECTION FOR DRILL PIPE, CASING AND TUBING

Patent Period Started From 01/03/2011 and Will end on 28/02/2031

(57) An apparatus comprises a first number of splines located near a first end of a first joint section and a second number of splines located near a second end of a second joint section. the first number of splines extends in an axial direction of the first joint section and spans a circumferential surface of the first joint section. Each of the first number of splines has a base, a tip , and a pair of flanks that extends frome the base to the tip and forms an acute angle , Each of the First number of splines are cofigured to be received between adjacent pairs of splines in the secound number of splines as the first end of the first joint section and the second end of the second joint section are joined.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/12/2007** **PCT/NA 2007/001467** **September 2016** **20/02/2017** **27907**

(51)	**Int. Cl. [8] F24C 3/04**
(71)	**1. CASTFUTURA S.P.A (ITALY)** **2.** **3.**
(72)	**1. OFFREDI Giorgio** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) SV2005A000023 – 30-06-2006** **2. (PCT/EP2006/063068) – 09-06-2006** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) OVEN OR GRILL BURNER

Patent Period Started From 09/06/2006 and Will end on 08/06/2026

(57) The invention relates to an oven or grill burner composed of a flat body delimiting an inner chamber and having fastening protrusions, characterized in that fastening members are composed of at least a tab made of one piece with flat body wall or walls. In addition to have the fastening tab as one piece, the burner has mountings fastening the thermocouple and/or igniter and/or the venturi tube supplying air and gas mixture also of one piece therewith. The burner is shaped such to increase the even distribution to outlet holes of gas and it has such constructive characteristics allowing to reduce the thickness of the metal sheet for making it without compromising the burner strength.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/05/2013** **0792/2013** **October 2016** **21/02/2017** **27908**

(51)	**Int. Cl. [8] B29B 11/14, 11/08**
(71)	**1. NIAGARA BOTTLING, LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. HANAN, Jay, Clarke** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/413.167 – 12-11-2010** **2. (PCT/US2011/060587) – 14-11-2010** **3.**
(74)	**SHADY FAROUK MUBARAK**
(12)	**Patent**

(54)	**PREFORM EXTENDED FINISH FOR PROCESSING LIGHT WEIGHT BOTTLES**
	Patent Period Started From 14/11/2010 and Will end on 13/11/2031

(57) Disclosed are preforms which incorporate improvements in the region of the neck and upper segment of the body to allow the production of lightweight containers, such as bottles suitable for containing water or other beverages. In accordance with certain embodiments, the improvements include a thinner neck finish area than conventional bottles, where the thinner area is extended into the upper segment of the body portion below the support ring. Reducing the thickness in these areas of the bottle allows for less resin to be used in forming the preform and bottle.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/07/2012** **1283/2012** **September 2016** **21/02/2017** **27909**

(51)	**Int. Cl. [8] E32B 21/00, 37/00**
(71)	**1. LONGHORN CASNING TOOLS INC. (CANADA)** **2.** **3.**
(72)	**1. GOSSELIN, RANDALL, E** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/297.365 – 22-01-2010** **2. (US) 61/386.291 – 24-09-2010** **3. (PCT/CA2011/050032) - 20-01-2011**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) WELLBORE OBSTRUCTION-CLEARING TOOL AND METHOD

Patent Period Started From 20/01/2011 and Will end on 19/01/2031

(57) A wellbore obstruction-clearing tool connected to the bottom of a tubing string, such as casing, utilizes a sleeve which is axially and rotationally moveable in response to axial reciprocation of a tubing string to engage and clear obstructions in the wellbore. Fluid is discharged through the casing and the tool to engage the obstructions and to convey debris through the annulus to surface. Thus, the obstructions are cleared from the wellbore, permitting the casing to be advanced, without the need to rotate the casing.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/08/2013** **1277/2013** **October 2016** **26/02/2017** **27910**

(51)	**Int. Cl. [8] A61M 16/00**
(71)	**1. HOSSAM EL-DIN HELMY IBRAHIM MOSTAFA EL- SABEA (EGPYT)** **2. MOHAMED ZEIDAN ALI WALY EL-DIN (EGPYT)** **3.**
(72)	**1. HOSSAM EL-DIN HELMY IBRAHIM MOSTAFA EL- SABEA** **2. MOHAMED ZEIDAN ALI WALY EL-DIN** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**MULTI-DIRECTIONAL INTUBATING LARYNGEAL MASK AIRWAY**
	Patent Period Started From 06/08/2013 and Will end on 05/08/2033

(57) The present invention is related to a hanger mask with an entrance to the trachea tube when it is difficult to insert it in the normal way. This is done by means of a bundle of pipes that are pierced with walls so as not to prevent passage of air through it. Each tube has a high opening on the mask cover covered with a rubber membrane pierced in the middle. Open only by expanding it by inserting the router (Bugi) through it.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/08/2012** **1426/2012** **November 2016** **26/02/2017** **27911**

(51)	**Int. Cl. [8] G10H 1/08, 1/20**
(71)	**1. FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V (GERMANY)** **3.**
(72)	**1. DISCH, Sascha** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/308.513 – 26-02-2010** **2. (EP) 10175302.8 – 03-09-2010** **3. (PCT/EP2011/052838) – 25-02-2011**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) APPARATUS AND METHOD FOR MODIFYING AN AUDIO SIGNAL USING ENVELOPE SHAPING

Patent Period Started From 25/02/2011 and Will end on 24/02/2031

(57) An apparatus for modifying an audio signal comprises an envelope shape determiner, a filterbank processor, a signal processor, a combiner and an envelope shaper. The envelope shape determiner determines envelope shape coefficients based on the a frequency domain audio signal representing a time domain input audio signal and the filterbank processor generates a plurality of bandpass signals in a subband domain based on the frequency domain audio signal. Further the signal processor modifies a subband domain bandpass signal of the plurality of subband domain bandpass signals based on a predefined modification target. The combiner combines at least a subset of the plurality of subband domain bandpass signals containing the modified subband domain bandpass signal to obtain a time domain audio signal. Further, the envelope shaper shapes an envelope of the time domain audio signal based on the envelope shape coefficients, shapes an envelope of the plurality of subband domain bandpass signals containing the modified subband domain bandpass signal based on the envelope shape coefficients or shapes an envelope of the plurality of subband domain bandpass signals based on the envelope shape coefficients before a subband domain bandpass signal is modified by the signal processor to obtain a shaped audio signal.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/01/2012** **131/2012** **September 2016** **26/02/2017** **27912**

(51)	**Int. Cl. [8] E21B 43/08**
(71)	**1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. HAMMER, Aaron, C.** **2. CLEM, Nicholas, J.** **3. O'MALLEY, Edward, J.**
(73)	**1.** **2.**
(30)	**1. (US) 12/533,151 – 31-07-2009** **2. (PCT/US2010/042406) – 19-07-2010** **3.**
(74)	**NAHID WADI RIZH TARAZI**
(12)	**Patent**

(54)	**MULTI-ZONE SCREEN ISOLATION SYSTEM WITH SELECTIVE CONTROL**
	Patent Period Started From 19/07/2010 and Will end on 18/07/2030

(57) A modular screen system allows connection of screens using couplings that connect the annular space in each module between the screen material and the base pipe. A series of connected screens and couplings feed into a single valve to control the flow through many screens. The valve is preferably located in a coupling and the passages through the coupling or the screen can also accommodate instrumentation to detect, store or transmit well data or flows through the various screen modules

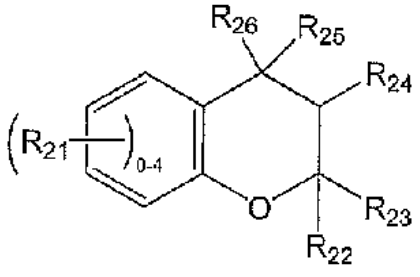
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/09/2014** **1501/2014** **November 2016** **26/02/2017** **27913**

(51)	**Int. Cl. [8] C25B 1/00, C01D 3/26, B01J (19/18, 19/24) , C25C 1/06**
(71)	**1. AKZO NOBEL CHEMICALS INTERNATIONAL B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. BAKKENES, Hendrikus Wilhelmus** **2. HEEZEN, Willem Ferdinand** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 1216253309 – 30-03-2012** **2. (EP) 12162544.6 - 30-03-2012** **3. (US) 61/619.997 – 04-04-2012** **4. (US) 61/620.033 - 04-04-2012** **5. (PCT/EP2013/056458) – 27-03-2013**
(74)	**NAHID WADI RIZH TARAZI**
(12)	**Patent**

(54) PREPARATION METHOD AND STATION FOR NON-CAKING AGENT SOLUTIONS

Patent Period Started From 27/03/2013 and Will end in 26/03/2033

(57) Process and dosing station for the preparation of a solution of a non-caking agent, wherein a concentrate of the non-caking agent is circulated in a loop and wherein the concentrate is subsequently diluted by water to obtain the solution. A flow of the concentrate can be drawn from the circulation loop and mixed with a flow of water. The obtained solution can subsequently be fed into a second recirculation loop. A flow of solution can be drawn off from the second recirculation loop for being dosed into an amount of salt.



(V).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/02/2013** **0293/2013** **September 2016** **26/02/2017** **27914**

(51)	**Int. Cl. [8] C02f 1/04, 103/08 & B01D 1/00, 53/50**
(71)	**1. BABCOCK BORSIG STEINMULLER GMBH (GERMANY)** **2.** **3.**
(72)	**1. MOUSSAOUI, Mohsen** **2. WOLTERS, Clemens** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102010035875.4 – 30-08-2010** **2. (PCT/EP2011/064885) – 30-08-2011** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**SYSTEM AND METHOD FOR THE DESALINATION OF SEA WATER**
	Patent Period Started From 30/08/2011 and Will end in 29/08/2031

(57) Described is a system and a method for the desalination of sea water comprising a sea water desalination unit and a sea water based flue gas desulphurization unit as well as a Method for the desalination of sea water by interconnecting a sea water desalination unit with a sea water based flue gas desulphurization unit. In order to increase the overall performance of the desalination process while reducing the amount of additives it is provided that the brine blow-down outlet of the desalination unit is in fluid communication with sea water inlet of the desulphurization unit, and/or sea water discharge outlet of the desulphurization unit is in fluid communication with make-up water inlet of the desalination unit, and/or sea water discharge outlet of the desalination unit is in fluid communication with sea water inlet of the desulphurization unit.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/01/2015** **0126/2015** **November 2016** **28/02/2017** **27915**

(51)	**Int. Cl. [8] C07C 273/10 & B01J 19/00**
(71)	**1. CASALE SA (SWITZERLAND)** **2.** **3.**
(72)	**1. ZARDI, Federico** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 12177783.3 – 25-07-2012** **2. (PCT/EP2013/064035) - 03-07-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) USE OF UREA SYNTHESIS PURGE GAS IN AN INTEGRATED AMMONIA-UREA PROCESS AND RELATED PLANT

Patent Period Started From 03/07/2013 and Will end in 02/07/2033

(57) An ammonia-urea plant where purge gas stream generated in the urea section is used as ammonia source for selective catalytic reduction of nitrogen oxides in combustion fumes which are emitted by the ammonia section; a related process and a method for modification of an ammonia-urea plant are also disclosed**.**

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22) 28/08/2014** **(21) 1373/2014** **(44) November 2016** **(45) 28/02/2017** **(11) 27916**

(51)	**Int. Cl. [8] C09D 115/00, 119/02 & C08K 5/16 & C08G 18/02 & C08J 3/21 & C08C 19/00 & C08L 15/00**
(71)	**1. NOBEL SCIENTIFIC SDN BHD (MALAYSIA)** **2.** **3.**
(72)	**1. CHIENG Ding Yaw** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/MY2012/000039) – 29-02-2012** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD OF MAKING A POLYMER ARTICLE AND RESULTING ARTICLE

Patent Period Started From 29/02/2012 and Will end in 28/02/2032

(57) A method of making a polymer article comprises the steps of making a polymer solution by mixing a first compound containing carbodiimide groups with a second compound containing carboxylated groups, applying the polymer solution to a former, wherein the step of applying occurs within 2 hours of the making of the polymer solution, and curing the polymer solution. The polymer solution can have a pH adjuster consisting of ammonium hydroxide.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/08/2012** **1459/2012** **November 2012** **28/02/2017** **27917**

(51)	**Int. Cl. [8] A01N 25/28, 43/80 & A01P 13/00**
(71)	**1. ROTAM AGROCHEM INTERNATIONAL CO. LTD (CHINA)** **2.** **3.**
(72)	**1. BRISTOW, James Timothy** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 1003503,8- 02-03-2010** **2. (PCT/CN2011/071366) – 28-02-2011** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**HERBICIDAL COMPOSITION DERIVED FROM ISOXAZOLIDINONE**
	Patent Period Started From 28/02/2011 and Will end in 27/02/2031

(57) A method for preparing a formulation comprising clomazone is disclosed, the method comprising the steps of (i) combining microcapsules having a polymer shell and a core comprising clomazone, a solid carrier and a binder to form a mixture; (ii) forming granules from the resulting mixture; (iii) applying a composition comprising a binder to coat the granules; and (iv) drying the thus coated granules. A further method for preparing a formulation comprising clomazone is provided, the method comprising the steps of (i) combining microcapsules having a polymer shell and a core comprising clomazone, a solid carrier and a dispersant to form a mixture; (ii) forming granules from the resulting mixture; (iii) applying a composition comprising a dispersant to coat the granules; and (iv) drying the thus coated granules. A still further method for preparing a formulation comprising clomazone is provided, the method comprising the steps of (i) combining microcapsules having a polymer shell and a core comprising clomazone, a solid carrier, a binder and a dispersant to form a mixture; (ii) forming granules from the resulting mixture; (iii) applying a composition comprising a dispersant to coat the granules; (iv) applying a composition comprising a binder to coat the granules; and (v) drying the thus coated granules. Granules prepared by the methods and their use in controlling plant growth are also disclosed.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/11/2013** **1773/2013** **November 2016** **28/02/2017** **27918**

(51)	**Int. Cl. [8] A61M 1/16 & A61J 1/14**
(71)	**1. FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH (GERMANY)** **2.** **3.**
(72)	**1. EYRARD, Thierry** **2. LAFFAY, Philippe** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 1154323 – 18-05-2011** **2. (US) 61/487.468- 18-5-2011** **3. (PCT/EP2012/058829) – 11-05-2012**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) CONNECTOR FOR DIALYSIS CONTAINER, CONTAINER EQUIPPED WITH SUCH CONNECTOR, MANUFACTURING AND FILLING METHOD FOR SUCH CONNECTORS AND CONTAINERS

Patent Period Started From 11/05/2012 and Will end in 10/05/2032

(57) The invention concerns a container constituted by a receptacle designed to contain a solid product for dialysis and a connector for connecting the receptacle to a dialysis machine, the connector being equipped with a filling channel that crosses it from one end to the other and that enable filling the receptacle with solid product; a fluid line for introducing a solution-making liquid into the receptacle, said fluid line extending between a first connecting portion that opens to the outside of the receptacle and an orifice that opens to the inside of the receptacle; and a fluid line for extracting the obtained solution from the receptacle, said fluid line extending between a second connecting portion that opens to the outside of the receptacle and an orifice that opens to the inside of the receptacle, the first connecting portion and the second connecting portion serving a means for connecting the corresponding fluid lines to the dialysis machine, The container according to the invention is characterized by the fact that the filling channel is open at both ends and that the two fluid lines are fluid-tight between the orifice that opens into the receptacle and the first or second connecting portion, respectively. Germany

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GRANTED PATENTS' ABSTRACTS GAZETTE

" PATENTS ISSUED IN March 2017 "

Egyptian Patent Office

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(PATENT No. 27928) ……. (11)

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(PATENT No. 27934) ……. (17)

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(PATENT No. 27936) ……. (19)

(PATENT No. 27937) ……. (20)

(PATENT No. 27938) ……. (21)

(PATENT No. 27939) ……. (22)

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(PATENT No. 27942) ……. (25)

(PATENT No. 27943) ……. (26)

(PATENT No. 27945) ……. (27)

(PATENT No. 27946) ……. (28)

Preface

We are on the verge of a new era which is founded on the basis of technological development and hence, we have to follow it in all fields of national development . Technology has become the basis for the increase in national income and production and hence, scientific research has become our real hope as a way for advancement and as a necessity for life .

Emerging from the responsibility of the Academy of Scientific Research and Technology towards strengthening the pillars of science and technology , I have the pleasure to introduce the Granted Patent's Abstracts of the Publication of Patents monthly, Which includes bibliographical data . This periodical is directed to all those interested in the vital field of Intellectual property which encompasses patents, innovations and creative works .

I hope that this publication meets its targeted objective , namely increasing the welfare , prosperity and advancement for our beloved country, Egypt .

Acting President of Patent Office

Mr. Adel El- Saeid Oweide

Bibliographic data

Bibliographic data	symbol
Patent Number	11
Patent Kind	12
Application Number	21
Filing Date	22
Priority Number Priority Date Priority Country	30
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Inventor Name	72
Patentee Name	73
Patent Attorney Name	74

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ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
MARCH (2017)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/09/2013** **1436/2013** **September 2016** **02/03/2017** **27919**

(51)	**Int. Cl. [8] F24J 2/07, 2/16, 2/38, 2/40, 2/46 & G01S 3/786**
(71)	**1. COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES** **2. (FRANCE)** **3.**
(72)	**1. COUTURIER, RaphaEl** **2. BRUCH, Arnaud** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 11 52057 - 14-03-2011** **2. (PCT/EP2012/054312) – 13-03-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) RECEIVER MODULE FOR SOLAR POWER STATION WITH IN-BUILT THERMAL MONITORING

Patent Period Started From 13/03/2012 and Will end in 12/03/2032

(57) Receiver module (MR) to form a solar power station receiver, said receiver module (MR) of longitudinal axis comprising a metal structure and an absorber module (MA), the metal structure defining a cavity extending along the longitudinal axis and in the bottom of which the absorber module (MA) is housed, said cavity being provided with an opening intended to be oriented toward at least one mirror of the solar power station, said opening being flanked by two lateral portions of the metal structure running longitudinally one on each side of the cavity, said receiver module (MR) also comprising thermocouples (G, D) arranged on each of the portions that are lateral with respect to the longitudinal axis (X) in order to detect a temperature difference between a reference temperature and two points of the metal structure that are on opposite sides of the longitudinal axis.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/10/2013** **1534/2013** **November 2016** **05/03/2017** **27920**

(51)	**Int. Cl. [8] B01D 61/40 & C02F 1/58, 1/26**	
(71)	**1. Science and Technology Development Fund (EGPYT)** **2.** **3.**	
(72)	**1. Mona Mahmoud Naim** **2. Abeer Ahmed Moneer Mostafa** **3. Mahmoud Mohamed Elewa**	**4. Ahmed Abd-Allah Ahmed El-Shafei** **5. Mohamed Elsayed Omar Yehia**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)	**MARWA ALAA EL DIN MOHAMED ABDEL-MEGUID**	
(12)	**Patent**	

(54) DESALINATION OF SIMULATED SEAWATER USING AN INNOVATED EMULSION LIQUID MEMBRANE TECHNIQUE

Patent Period Started From 02/10/2013 and Will end in 01/10/2033

(57) The present invention pertains in preparing an emulsion Liquid Membrane by which simulated seawater can be desalinated effectively, devising a desalination unit, and a desalination process using the emulsion liquid membrane. The technique comprises three steps: 1.Emulsion preparation of a mixture of aqueous receptor phase and organic liquid membrane phase using ultrasonication; 2.Extraction of salts from donor phase by mixing the latter with the aforementioned emulsion; then separation of spent emulsion from the desalinated donor phase; 3.Breaking up the emulsion for reuse of the liquid membrane phase. The method proved to be highly efficient and reached 99% salt extraction in 13 minutes.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/09/2013** **1432/2013** **November 2016** **06/03/2017** **27921**

(51)	**Int. Cl. [8] F16L 1/23, 1/16, 1/18**
(71)	**1. Saipem S.p.A (ITALY)** **2.** **3.**
(72)	**1. SCAINI, Cristian** **2. SIGNAROLDI, Teresio** **3. ARDAVANIS, Kimon Tullio**
(73)	**1.** **2.**
(30)	**1. (GB) 1104715.6 - 21-03-2011** **2. (PCT/EP2012/054909) – 20-03-2012** **3.**
(74)	**MAHMOUD RAGAEY ELDEKY**
(12)	**Patent**

(54)	**A/R METHOD AND APPARATUS THEREFOR**
	Patent Period Started From 20/03/2012 and Will end in 19/03/2032

(57) A method of abandoning a pipeline from an offshore vessel, wherein the method comprises the steps of : providing a tubular member between a winch apparatus and the end of the pipeline being abandoned, the tubular member being received in a tensioning apparatus, and lowering the pipeline with the winch apparatus and the tensioning apparatus, the tensional load of the pipeline being distributed between the tensioning apparatus and the winch apparatus.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22) 10/07/2011** **(21) 1168/2011** **(44) November 2016** **(45) 06/03/2017** **(11) 27922**

(51)	**Int. Cl. [8] D04H 3/045, 3/12, 3/147, 3/4 & B29D 28/00**
(71)	**1. LANDERTSHAMER, Friedrich (AUSTRIA)** **2.** **3.**
(72)	**1. LANDERTSHAMER, Friedrich** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (AT)A 61/2009 - 16-01-2009** **2. (PCT/AT2009/000492) – 21-12-2009)** **3.**
(74)	**MAHMOUD RAGAEY ELDEKY**
(12)	**Patent**

(54) MESHWORK MADE OF RIBBONS

Patent Period Started From 21/12/2009 and Will end in 20/12/2029

(57) The invention relates to a meshwork made of ribbons, which are connected to each other by way of a thermoplastic filler metal. In order to create simple design conditions, it is proposed to fix the positions of ribbons, which are arranged in at least two groups and intersect each other in groups, with respect to each other between two cover layers, which have an at least two-layer design with a bonding layer facing the ribbons that is made of the thermoplastic filler material and a carrier layer having higher tensile strength and are connected to each other and to the ribbons by way of the bonding layer.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/02/2014** **0289/2014** **September 2016** **07/03/2017** **27923**

(51)	**Int. Cl. [8] C02F 9/00**
(71)	**1. ONDEO INDUSTRIAL SOLUTIONS (FRANCE)** **2.** **3.**
(72)	**1. FUCHS, Cathy** **2. WALLIS, Craig** **3. TOMMY-MARTIN, BenoIt**
(73)	**1.** **2.**
(30)	**1. (FR) 1157626 - 30-08-2011** **2. (PCT/IB2012/054386) – 27-08-2012** **3.**
(74)	**MOHAMAD MOHAMAD BAKEER**
(12)	**Patent**

(54)	**METHOD AND FACILITY FOR TREATING WASTEWATER CONTAINING HYDROCARBONS, IN PARTICULAR AROMATIC COMPOUNDS**
	Patent Period Started From 27/08/2012 and Will end in 26/08/2032

(57) The invention relates to a method for treating wastewater containing hydrocarbons, in particular hydrocarbons from the group of compounds referred to as BTEX, comprising benzene, toluene, ethylbenzene and xylene aromatic compounds, said wastewater being in particular from the production or conditioning of natural gas, wherein, according to the method, the wastewater is subjected to stripping by the natural gas such that the hydrocarbon pollution is not only removed from the water by means of being transferred to the gas, but also eliminated during the subsequent combustion of the gas. The wastewater to be treated has a soluble BTEX content that is no higher than 1,200 ppm, preferably no higher than 900 ppm, and the weight ratio of the stripping gas to the treated water is less than 10%, the water being discharged from the stripper having a soluble BTEX content that is no higher than 30 ppm.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/08/2012** **1372/2012** **October 2016** **07/03/2017** **27924**

(51)	**Int. Cl. [8] C04B 35/01, 35/14, 35/622**
(71)	**1. SAINT-GOBAIN CERAMICS & PLASTICS, INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. STEPHENS, Walter T.** **2. DICKSON, Kevin R** **3. FUSS, Tihana** **4. JAEGER, Ian** **5. MICHELSON, Danny Louis** **6. SUCHIRA, Sen** **7. SZYMANSKI, Thomas**
(73)	**1.** **2.**
(30)	**1. (US) 61/303,097 - 10-02-2010** **2. (PCT/US2011/023957) – 08-02-2011** **3.**
(74)	**SAMAS COMPANY**
(12)	**Patent**

(54) CERAMIC PARTICLES AND METHODS FOR MAKING THE SAME

Patent Period Started From 08/02/2011 and Will end in 07/02/2031

(57) Disclosed is a population of ceramic particles that includes a plurality of individual, free flowing particles. The plurality has a total weight and particle size distribution. The effective width of the distribution is the difference between the distribution's d95 and d5 particle sizes. The distribution's effective width exceeds 100 microns and includes three abutting and non-overlapping regions that include a first region, a second region, and a third region. The first region abuts the second region and the second region abuts the third region. The width of the second region is at least 25% of the effective width. The weight of particles in the second region does not exceed 15% of the plurality of particle's total weight. The weight of particles in the first region and the third region each exceed the weight of particles in the second region. Methods of making the populations of ceramic particles are also disclosed.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/12/2013** **1989/2013** **September 2016** **07/03/2017** **27925**

(51)	**Int. Cl. [8] C01G 21/16 & C07C 47/127**
(71)	**1. DORF KETAL CHEMICALS (INDIA) PRIVATE LIMITED (INDIA)** **2.** **3.**
(72)	**1. SUBRAMANIYAM, Mahesh** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IN) 1885/MUM/2011 - 29-06-2011** **2. (PCT/IN2012/000453) – 26-06-2012** **3.**
(74)	**SAMAS COMPANY**
(12)	**Patent**

(54)	**ADDITIVE AND METHOD FOR REMOVAL OF CALCIUM FROM OILS CONTAINING CALCIUM NAPHTHENATE**
	Patent Period Started From 26/06/2012 and Will end in 25/06/2032

(57) There is provided an additive and method for removal of calcium from crude oil or its blends containing calcium naphthenate at low pH as well as at high pH varying from 5 to 11, preferably from 6 to 11, more preferably from 7 to 11, wherein the additive is glyoxal and said pH is of the wash water for crude oil processing systems. There is also provided an additive and method for removal of calcium from crude oil or its blends containing calcium naphthenate, wherein crude oil is treated with wash water containing alkaline medium selected from the group comprising sodium hydroxide (NaOH or caustic), ammonia or amine compound, or mixture thereof, and wherein pH of the wash water or of the processing mixture in the desalter varies from 5 to 11, preferably from 6 to 11, preferably from 7 to 11, characterized in that the additive is glyoxal and the crude oil or its blend is treated with glyoxal.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/09/2013** **1450/2013** **November 2016** **07/03/2017** **27926**

(51)	**Int. Cl. [8] C08K 5/05, 5/16, 5/49, 5/14, 13/02 & C08G 63/698, 63/91 & C08F 299/04 & C08L 67/06, 67/08**
(71)	**1. AKZO NOBEL CHEMICALS INTERNATIONAL B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. KOERS, Frederik Willem Karel** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 11159562.5 - 24-03-2011** **2. (US) 61/467,516 - 25-03-2011** **3. (PCT/EP2012/054932) – 21-03-2012**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) ACCELERATOR FOR CURING RESINS

Patent Period Started From 21/03/2012 and Will end in 20/03/2032

(57) Accelerator solution suitable for forming a redox system with peroxides, comprising a Cu(l) compound, a transition metal selected from cobalt and titanium, a phosphorous-containing compound, a nitrogen-containing base, and a hydroxy- functional solvent**.**

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/02/2014** **0255/2014** **November 2016** **07/03/2017** **27927**

(51)	**Int. Cl. [8] C08G 61/10 & C08L 65/00 & C08J 5/00**
(71)	**1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. DUAN, Ping** **2. AGRAWAL, Gaurav** **3. GERRARD, David P**
(73)	**1.** **2.**
(30)	**1. (US) 13/246,250 - 27-09-2011** **2. (US) 13/477,230 - 22-05-2012** **3. (PCT/US2012/057033) – 25-09-2012**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) POLYARYLENE COMPOSITIONS, METHODS OF MANUFACTURE, AND ARTICLES THEREOF

Patent Period Started From 25/09/2012 and Will end in 24/09/2032

(57) a downhole article comprising a crosslinked product of a polyarylene of formula (2) : wherein each r is the same or different, and each r is independently a c1-c20aydrocarbyi group, c1-c20 hydrocarbyloxy group, c1-c20 hydrocarbylthio group, trialkylsilyl group, halogen, nitro group, cyano group, hydroxyl group, mercapto group, hydrocarbyl carbonyl group formyl group, c1-c20 dihydrocarbyl ether group, carboxylic acid group or a salt thereof, carboxylic ester group, primary, secondary or tertiary ammo group, primary or secondary aminocarbonyl group, phosphonic acid group or a salt thereof, sulfonic acid group or a salt thereof, polyalkyleneoxy group, or polyphenyleneoxy group, c is an integer from 0 to 4. and x and y the same or different, x or y can be zero, provided that x+y is greater man about 10, wherein the article is a packer element a blow out preventer element, a submersible pump motor protector bag, a sensor protector, a sucker rod, an o-ring, a t-ring, a gasket a sucker rod seal, a pump shaft seal, a tube seal, a valve seal, a seal for an electrical component, an insulator for an electrical component, a seal for a drilling motor or a seal for a drilling bit .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/03/2012** **0451/2012** **November 2016** **07/03/2017** **27928**

(51)	**Int. Cl. [8] F21B 33/12, 33/122**
(71)	**1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BARNARD, Jason J** **2. GABRYSCH, Allen D** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/565,120 - 23-09-2009** **2. (PCT/US2010/049838) – 22-09-2010** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) USE OF FOAM SHAPER MEMORY POLYMER TO TRANSPORT ACID OR OTHER WELLBORE TREATMENTS

Patent Period Started From 22/09/2010 and Will end in 21/09/2030

(57) In aspects, the present disclosure provides a device that includes a shape memory member having a sealed outer surface and a permeable inner mass and a selected fluid placed and sealed within the inner mass at a first temperature. The selected fluid is released from the inner mass when the shape memory member is heated to a second temperature.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/03/2012** **0202/2012** **November 2016** **07/03/2017** **27929**

(51)	**Int. Cl. [8] E21B 47/00, 47/06, 49/08 & G01F 1/86**
(71)	**1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ONG, Joo, Tim** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/851,322 - 05-08-2010** **2. (US) 61/233,711 - 13-08-2009** **3. (PCT/US2010/045469) – 13-08-2010**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) METHOD OF MEASURING MULTI-PHASE FLUID FLOW DOWNHOLE

Patent Period Started From 13/08/2010 and Will end in 12/08/2030

(57) Multi-phase flow is estimated in a flow meter by measuring fluid pressure within the flow meter and using the measured pressure to calculate a density of the flow. A total flow rate through the flow meter is estimated based on the calculated density and a PVT analysis of the fluid. A corrected total mass flow rate is calculated using a liquid/gas slip correction technique. Fluid flow rates are further corrected with a discharge coefficient that varies with changes in the Reynolds number of the fluid. The gas and oil fractions can be determined from the corrected total mass flow rate and gas fraction.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/11/2011** **2015/2011** **September 2016** **07/03/2017** **27930**

(51)	**Int. Cl. [8] F25J 3/00**	
(71)	**1. ORTLOFF ENGINEERS, LTD (UNITED STATES OF AMERICA)** **2. S.M.E. PRODUCTS LP (UNITED STATES OF AMERICA)** **3.**	
(72)	**1. JOHNKE, Andrew, F** **2. LEWIS, W., Larry** **3. WILKINSON, John, D**	**4. LYNCH, Joe, T** **5. HUDSON, Hank, M** **6. CUELLAR, Kyle, T**
(73)	**1.** **2.**	
(30)	**1. (US) 12/689,616 - 19-01-2010** **2. (US) 12/717,394 - 04-03-2010** **3 (US) 61/186,361 - 11-06-2009** **4.. (PCT/US2010/029331) – 31-03-2010**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54)	**A PROCESS AND AN APPARATUS FOR HYDROCARBON GAS COMPACT PROCESSING FEATURING A SINGLE EQUIPMENT ITEM PROCESSING ASSEMBLY**

Patent Period Started From 31/03/2010 and Will end in 30/03/2030

(57) The present invention relates to a process and apparatus for hydrocarbon gas compact processing featuring a single equipment item processing assembly for the recovery ot propane, propylene and heavier hydrocarbon components from a hydrocarbon gas stream the gas stream is cooled , expanded to tower pressure, and supplied as the bottom feed to an absorbing means inside the processing assembly. A first distillation liquid stream is collected from the lower region of the absorbing means and supplied as the top feed to a mass transfer means inside the processing assembly. A first distillation vapor stream is collected from the upper region of the mass transfer means and cooled sufficiently to at least partially condense it, forming a residual vapor stream autl a condensed stream. The condensed stream is supplied as the top feed to the absorbing means. A second distillation vapor stream is collected from the upper region of the absorbing means and directed into one or more heat exchange means inside the processing assembly to heat it while cooling the first distillation vapor stream. The heated second distillation vapor stream is combined with any of the residual vapor stream and the combined stream is directed into the one or more heat exchange means inside the processing assembly to heat it while cooling the gas stream. A second distillation liquid stream is collected from the lower region of the mass transfer means and directed into a heat and mass transfer means inside the processing assembly to heat it and strip out its volatile components. The quantities and temperatures of the feeds to the ahsnrbing nteans are effective to maintain the temperature of the upper region of the absorbing means at a temperature whereby the major portions of the desired components are recovered in the stripped second distillation liquid stream .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/08/2014** **1277/2014** **November 2016** **08/03/2017** **27931**

(51)	**Int. Cl. [8] E02B 11/00**
(71)	**1. Abd ELAzeem AKL Abd Elgwad Mohammed (EGYPT)** **2.** **3.**
(72)	**1. Abd ELAzeem AKL Abd Elgwad Mohammed** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**COVERED CENTRAL FIELD DRAINAGE SYSTEM**
	Patent Period Started From 07/08/2014 and Will end in 06/08/2034

(57) This invention relates to a covered central field drainage system including a central compartment receiving all field drains through which field water flows and comes together into the central compartment, then moves to the next central compartment via the central pipes fixed at the bottom of a drilled joint till it reaches the open drain. Thereby, excessive irrigation water is drained out and field drainage control becomes easier. Besides, field drains may be closed to preserve irrigation water during rice Plunting .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/04/2012** **0607/2012** **November 2016** **13/03/2017** **27932**

(51)	**Int. Cl. [8] A61C 8/00, 8/0033**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. Mohamed Mohamed El-Ahmady Ibrahim El-Zawahry** **2. Mohamed Ibrahim Mohamed El-Anwar** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MAGDA MOHASEB ALSAYED, AMAL YOUSEFF AHMED, MONA MOHAMED FAREED**
(12)	**Utilty Model**

(54) LATERAL PLATE FOR EARLY LOADING ON DENTAL IMPLANTS

Patent Period Started From 02/04/2012 and Will end in 01/04/2019

(57) A new design was proposed to improve dental implants applications. The new proposed design is superior over the current commonly used implant designs. The proposed design can reduce the time for loading the implant by real load to one third, in addition to improving the primary implant stability. Many other advantages of the new design over the conventional ones can be obtained. That if this design is widely used, a breakthrough of dental implants design will be expected.

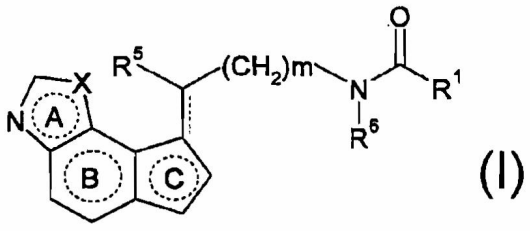
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/12/2008** **2011/2008** **November 2016** **13/03/2017** **27933**

(51)	**Int. Cl. [8] A 61K 31/423, C 07D 263/52**
(71)	**1. Takeda Pharmaceutical Company Limited (JAPAN)** **2.** **3.**
(72)	**1. UCHIKAWA, Osamu** **4. TAKAI, Takafumi** **2. KOIKE, Tatsuki** **3. HOASHI, Yasutaka**
(73)	**1.** **2.**
(30)	**1. (JP) 2006-168518 - 19-06-2006** **2. (PCT/JP2007-062645) – 18-06-2007** **3.**
(74)	**HODA AHMEDABDEL HADY**
(12)	**Patent**

(54) TRICYCLIC COMPOUND AND PHARMACEUTICAL USE THEREOF

Patent Period Started From 18/06/2007 and Will end in 17/06/2027

(57) The present invention provides a compound represented by the formula which is useful as an agent for the prophylaxis or treatment of diseases related to the action of melatonin, or a salt thereof and the like.



(I)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/01/2013** **0065/2013** **September 2016** **14/03/2017** **27934**

(51)	**Int. Cl. [8] C04B 7/32, 7/345, 28/02, 28/06**	
(71)	**1. VICAT (FRANCE)** **2.** **3.**	
(72)	**1. BARNES-DAVIN, Laury** **2. MERIC, Pascal** **3. PASQUIER, Michel**	**4. BEAUVENT, Guy**
(73)	**1.** **2.**	
(30)	**1. (FR) 10/55926 - 21-07-2010** **2. (PCT/FR2011/051744) – 20-07-2011** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) IRON-DOPED SULPHOALUMINATE-BELITE CLINKER

Patent Period Started From 20/07/2011 and Will end in 19/07/2031

(57) The present invention relates to a novel iron-doped sulphoaluminate-belite clinker, a process for preparing this clinker, and also the use of the clinker for the preparation of hydraulic binder and, consequently, of grout, concrete or mortar **.**

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/09/2014** **1557/2014** **October 2016** **14/03/2017** **27935**

(51)	**Int. Cl. [8] A61F 13/49, 13/56**
(71)	**1. UNICHARM CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. SAKAGUCHI, Satoru** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2012-083047 - 30-03-2012** **2. (CPT/JP2013/059340)- 28-03-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**DISPOSABLE DIAPER**
	Patent Period Started From 28/03/2013 and Will end in 27/03/2033

(57) A fastening tape provided to this disposable diaper has a substrate sheet and a hook sheet that is affixed to the substrate sheet and to which a plurality of engagement hooks are provided. The engagement force of the fastening tape is 0.3-1.5 N/30 mm inclusive. The bending rigidity value of the fastening tape in the direction of approach of the surface of the substrate sheet is lower than the bending rigidity value of the fastening tape in the direction of approach of surface of the the hook sheet.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/01/2012** **0047/2012** **October 2016** **15/03/2017** **27936**

(51)	**Int. Cl. [8] C10G 65/00**
(71)	**1. THYSSENKRUPP UHDE GMBH (GERMANY)** **2.** **3.**
(72)	**1. VON TROTHA, Thilo** **2. URNER, Frank** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 10 2009 032 802.5 - 10-07-2009** **2. (PCT/EP2010/004092) - 07-07-2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHOD FOR DESULFURIZING OLEFIN-CONTAINING CHARGE MATERIAL BY CONTROLLING THE OLEFIN CONTENT**
	Patent Period Started From 07/07/2010 and Will end in 06/07/2030

(57) The invention relates to a method and a device for desulfurizing an olefin- and hydrogen-containing charge flow, which can be mixed with additional hydrogen, and which is separated into at least two feed flows. The first charge flow is separately introduced into the reactor and impinges on a first catalyst bed comprising the catalyst pellets on a suitable holding device or a grating. There, the charge flow is heated by the hydrogenation reaction. Downstream of the first catalyst bed, an additional charge flow is supplied, thus cooling down the reaction gas and allowing the gas to be conducted through a second catalyst bed. Downstream of the second catalyst bed, further catalyst beds and further charge flow feeding devices may be provided. The catalyst beds may be placed in the reactor in any quantity, type, or shape. By carrying out the reaction in this manner, a product gas is obtained that substantially contains hydrogen sulfide only as a sulfur compound. The temperature in the catalyst beds and the gas flow is controlled by way of the olefin content in the charge flows. The higher the olefin content in a charge flow, the more the gas flow is heated in the downstream catalyst bed by the hydrogenation heat.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	E G	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/07/2014** **1111/2014** **September 2016** **16/03/2017** **27937**

(51)	**Int. Cl. [8] E02D 5/56, 7/22**	
(71)	**1. ATLANTECH S.R.L. (ITALY)** **2.** **3.**	
(72)	**1. SUBITONI, Pier Luigi** **2. FURLANI, Maikol** **3. MENEGHELLI, Mirko**	**4. BOSCAGIN, Martino**
(73)	**1.** **2.**	
(30)	**1. (VR) VR2012U000001 - 05-01-2012** **2. (VR) VR2012U000002 - 05-01-2012** **3. (PCT/IB2013/050103) – 04-01-2013**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) FOUNDATION EQUIPMENT FOR A POLE IN PARTICULAR FOR A LIGHTING POLE

Patent Period Started From 04/01/2013 and Will end in 03/01/2033

(57) Foundation equipment for a pole, in particular, for a lighting pole. The equipment comprises; - at least one screw element adapted to be screwed into the ground; and - at least one box-like body, mechanically fixed to the screw element. The box-like body is divided into two compartments by a partition wall. One compartment (150B) is adapted to receive the lower end of the pole.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/09/2014** **1473/2014** **September 2016** **16/03/2017** **27938**

(51)	**Int. Cl. [8] B65D 23/02 & B08B 17/06**	
(71)	**1. MASSACHUSETTS INSTITUTE OF TECHNOLOGY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. SMITH, Jonathan, David** **2. DHIMAN, Rajeev** **3. PAXSON, Adam, T.**	**4. LOVE, Christopher, J.** **5. SOLOMON, Brian, R.** **6. VARANASI, Kripa, K**
(73)	**1.** **2.**	
(30)	**1. (US) 61/614,941 - 23-03-2012** **2. (US) 61/651,545 - 24-05-2012** **3. (PCT/US2012/042326) – 13-06-2012**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) SELF-LUBRICATING SURFACES FOR FOOD PACKAGING AND FOOD PROCESSING EQUIPMENT

Patent Period Started From 13/06/2012 and Will end in 12/06/2032

(57) An article having a liquid-impregnated surface. The surface includes a matrix of solid features (e.g., non-toxic and/or edible features) spaced sufficiently close to stably contain a liquid therebetween or therewithin, wherein the liquid is non-toxic and/or edible. The article may contain, for example, a food or other consumer product, such as ketchup, mustard, or mayonnaise.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/11/2013** **1738/2013** **September 2016** **16/03/2017** **27939**

(51)	**Int. Cl. [8] H03M 13/27, 13/19**
(71)	**1. PANASONIC CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. PETROV, Mihail** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 11004124.1 - 18-05-2011** **2. (PCT/JP2012/003263) – 18-05-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PARALLEL BIT INTERLEAVER

Patent Period Started From 18/05/2012 and Will end in 17/05/2032

(57) This bit interleave method performs bit permutation on QC LDPC code words consisting of N cyclic blocks of Q bits, and partitions said processed code words into multiple constellation words consisting of M bits. The code words are partitioned into F?N/M folding sections, and each constellation word is associated with one of the F?N/M folding sections. The bit permutation processing is performed such that the constellation words consist of F bits from each of M/F different cyclic blocks in the associated folding section**.**

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** 24/07/2013 **(21)** 1210/2013 **(44)** September 2016 **(45)** 19/03/2017 **(11)** 27940

(51)	**Int. Cl. [8] G02B 3/00 & G07D 7/00 & B41M 5/382 & B42D 15/00, 15/10**	
(71)	**1. CRANE & CO., INC (UNITED STATES OF AMERICA)** **2. VISUAL PHYSICS, LLC (UNITED STATES OF AMERICA)** **3. CRANE AB (SWEDEN)**	
(72)	**1. CAPE, Samuel M** **2. GOSNELL, Jonathan D** **3. HELMINEN, Kaj Markkus** **4. JORDAN, Gregory R**	**5. PALM, Scott K** **6. PRETT, Giles D** **7. SCHNEIDER, Timothy W** **8. ZUCCHERO, Anthony J**
(73)	**1.** **2.**	
(30)	**1. (US) 61/437,157 - 28-01-2011** **2. (PCT/US2012/022912) - 27-01-2012** **3.**	
(74)		
(12)	**Patent**	

(54) A LASER MARKED DEVICE

Patent Period Started From 25/09/2008 and Will end in 24/09/2028

(57) An optical device projecting one or more synthetically magnified images that has been laser marked with one or more static two dimensional (2D) images is provided. The static 2D image(s) laser marked on or within this device and the synthetically magnified image(s) projected by this device help determine the authenticity of a document (e.g., passport data page) or product that employs it. Several embodiments of the inventive device also offer increased resistance to tampering or alteration and wear.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/02/2014** **0248/2014** **December 2016** **19/03/2017** **27941**

(51)	**Int. Cl. [8] B60R 9/42**
(71)	**1. ADEL IBRAHIM ABD EL FATTAH (EGYPT)** **2.** **3.**
(72)	**1. ADEL IBRAHIM ABD EL FATTAH** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**THE METALLIC SLOTS FOR EVACUATING THE PATIENTS DURING EMERGENCY**
	Patent Period Started From 19/02/2014 and Will end in 18/02/2034

(57) Modify the emergency stairs to allow the evacuation of patient who are unable to move through the use custom metal tracks for this purpose**.**

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/09/2011** **1568/2011** **December 2016** **19/03/2017** **27942**

(51)	**Int. Cl. [8] G01S 55/14 & H04G 7/38**
(71)	**1. Khaled Mohamed Nosseir (EGYPT)** **2.** **3.**
(72)	**1. Khaled Mohamed Nosseir** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**MECHANICAL SYSTEM FOR MOBILE UNITS , MOBILE**
	Patent Period Started From 19/09/2011 and Will end in 18/09/2031

(57) Mobile Station solution are used in the case of natural disasters, emergencies, telecom site failure, heavy call trafficking, exhibitions, concerts, etc, which can be on air in few hours. It consists of shelter or outdoor unit, generator with fuel tank and telescopic mast installed on a steel platform and the trailer is used only for transportation which reduces total operation**.**

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/05/2012** **0953/2012** **November 2016** **27/03/2017** **27943**

(51)	**Int. Cl. [8] A61F 13/15, 13/514, 13/46, 13/42**
(71)	**1. UNICHARM CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. OKU, Tomomi** **2. SAKAGUCHI, Satoru** **3. MATSUSHIMA, Hideki**
(73)	**1.** **2.**
(30)	**1. (JP) 2009-272977 - 30-11-2009** **2. (PCT/JP2010/006984) - 30-11-2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DISPOSABLE DIAPER

Patent Period Started From 30/11/2010 and Will end in 29/11/2030

(57) On the back sheet 120 side, back-side recessed portions 135 recessed toward the top sheet 110 are provided in a surface of the absorber 130 of the disposable diaper 1. The back-side recessed portions 135 include multiple grooves 135a, 135b which are continuous in the longitudinal direction L of the absorber 130. The back-side recessed portions 135 is visible from an outside of the back sheet 120 in a state before the disposable diaper 1 is used, and when the absorber absorbs liquid, the depth D of the back-side recessed portions 135 is made smaller than that before the absorber absorbs liquid. When the hydrophilic fiber and the particulate SAP swells, and thereby the absorber 130 expands in at least the thickness direction thereof, the back-side recessed portions 135 seems to disappear from the outside.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/12/2012** **2058/2012** **December 2016** **27/03/2017** **27944**

(51)	**Int. Cl. [8] H02J 9/06**
(71)	**1. TRANSOCEAN SEDCO FOREX VENTURES LIMITED (UNITED STATES OF** **2. AMERICA)** **3.**
(72)	**1. BOURGEAU, Edward Peter, Kenneth** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/816,576 - 16-06-2010** **2. (PCT/US2011/040120) – 13-06-2011** **3.**
(74)	**GORGE ESHAK MENA**
(12)	**Patent**

(54) HYBRID POWER PLANT FOR IMPROVED EFFICIENCY AND DYNAMIC PERFORMANCE

Patent Period Started From 13/06/2011 and Will end in 12/06/2031

(57) A hybrid power plant is characterized by a substantially constant load on generators regardless of momentary swings in power load. Short changes in power load are accommodated by DC components such as capacitors, batteries, resistors, or a combination thereof. Resistors are used to consume power when loads in the power plant are generating excess power. Capacitors are used to store and deliver power when the loads in the power plant demand additional power. Reducing rapid changes in power load as seen by the generators allows the generators to operate at higher efficiencies and with reduced emissions. Additionally, power plants employing combinations of generators, loads, and energy storage devices have increased dynamic performance.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/08/2012** **1413/2012** **November 2016** **29/03/2017** **27945**

(51)	**Int. Cl. [8] C07D 451/06 & A01N 43/90 & A01P 7/02 & A61P 33/10 & C07D 491/052**	
(71)	**1. Nippon Soda Co., Ltd. (JAPAN)** **2.** **3.**	
(72)	**1. HAMAMOTO Isami** **2. KOIZUMI Keiji** **3. KAWAGUCHI Masahiro**	**4. ANIGAWA Hisashi** **5. NAKAMURA Takehiko** **6. KOBAYASHI Tomomi**
(73)	**1.** **2.**	
(30)	**1. (JP) 2010-039839 - 25-02-2010** **2. (JP) 2010-117392 - 21-05-2010** **3. (JP) 2010-224844 - 04-10-2010** **4. (PCT/JP2011/054173) – 24-02-2011**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) CYCLIC AMINE COMPOUND AND MITICIDE

Patent Period Started From 24/02/2011 and Will end in 23/02/2030

(57) Disclosed is a cyclic amine compound represented by formula (I) or the like or a salt thereof. Further disclosed is a miticide containing the same. In formula (I), Cy1 and Cy2 each independently represent a C6-10 aryl group or a heterocyclyl group; R1a to R5a each independently represent a hydrogen atom or an unsubstituted or substituted C1-6 alkyl group; R10, R11, R20, and R21 each independently represent an unsubstituted or substituted C1-6 alkyl group, an unsubstituted or substituted C1-6 alkoxy group, a halogen atom, or the like; m, n, p, and r each represent an integer of 0 to 5; and Y represents an oxygen atom or the like.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/03/2013** **0480/2013** **December 2016** **29/03/2017** **27946**

(51)	**Int. Cl. [8] A61B 17/00**
(71)	**1. Khaled Mohy El Den Mohamed Amer (EGYPT)** **2.** **3.**
(72)	**1. Khaled Mohy El Den Mohamed Amer** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**RECTAL BALLOON PRESSURE CONTROLLED**
	Patent Period Started From 21/03/2013 and Will end in 20/03/2033

(57) It is a rubber tube, one of its ends ending in a rubber balloon while the other ends with two channels. One attached to the pump of sphygmomanometer while the other attached the mercury storage of sphygmomanometer. This allows the air to inflate the balloon and measuring the pressure inside it during inflation when we position it in the rectum opposite to the prostate . This rectal balloon used during prostatectomy either open surgery or trans urethral resection. We placed it in rectum through anus opposite to the prostate then we inflate the balloon by air till pressure over the diastolic pressure of the patients and bellow the diastolic one. This pressure applied on the prostate blood supply allowing better hemostasis from the site of surgery, this lead to less blood loss during surgery without any damage or complication for the rectal or prostate tissue . This leads to less saline used for irrigation than the usual leading to shorter urethral catheter duration and shorter hospital stay .

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology

GRANTED PATENTS' ABSTRACTS GAZETTE

"PATENTS ISSUED IN APRIL 2017 "

Egyptian Patent Office

Issue No 251 **MAY 2017**

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(PATENT No. 27949) ……. (5)

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(PATENT No. 27953) ……. (9)

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(PATENT No. 27955) ……. (11)

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(PATENT No. 27957) ……. (13)

(PATENT No. 27958) ……. (14)

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(PATENT No. 27974) ……. (30)

(PATENT No. 27975) ……. (31)

(PATENT No. 27976) ……. (32)

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(PATENT No. 27991) …….. (47)

(PATENT No. 27992) …….. (48)

(PATENT No. 27993) …….. (49)

(PATENT No. 27994) …….. (50)

Preface

We are on the verge of a new era which is founded on the basis of technological development and hence, we have to follow it in all fields of national development . Technology has become the basis for the increase in national income and production and hence, scientific research has become our real hope as a way for advancement and as a necessity for life .

Emerging from the responsibility of the Academy of Scientific Research and Technology towards strengthening the pillars of science and technology , I have the pleasure to introduce the Granted Patent's Abstracts of the Publication of Patents monthly, Which includes bibliographical data . This periodical is directed to all those interested in the vital field of Intellectual property which encompasses patents, innovations and creative works .

I hope that this publication meets its targeted objective , namely increasing the welfare , prosperity and advancement for our beloved country, Egypt .

Acting President of Patent Office

Mr. Adel El- Saeid Oweide

Bibliographic data

Bibliographic data	symbol
Patent Number	11
Patent Kind	12
Application Number	21
Filing Date	22
Priority Number Priority Date Priority Country	30
Issuance Date	45
International Patent Classification	51
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Abstract	57
Applicant Name	71
Inventor Name	72
Patentee Name	73
Patent Attorney Name	74

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UZ	Uzbekistan
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ZA	South Africa
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
APRIL (2017)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** 24/12/2013 **(21)** 1971/2013 **(44)** November 2016 **(45)** 03/04/2017 **(11)** 27947

(51)	**Int. Cl. [8] A01N 41/10 & A01M 1/20 & A01N 43/56 & A01P 7/04**
(71)	**1. NIHON NOHYAKU CO., LTD (JAPAN)** **2.** **3.**
(72)	**1. TAMURA, Shingo** **2. AOKI, Takao** **3. KURIYAMA, Ken**
(73)	**1.** **2.**
(30)	**1. (JP) 2011-144372 - 29-06-2011** **2. (PCT/JP2012/066473) – 28-06-2012** **3.**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) AGRICULTURAL AND HORTICULTURAL INSECTICIDE COMPOSITION AND UTILIZATION METHOD THEREFOR

Patent Period Started From 28/06/2012 and Will end in 27/06/2032

(57) Provided is an agricultural and horticultural insecticide composition containing flubendiamide and tolfenpyrad as active ingredients, and a utilization method therefor characterized in that insects, or plants infested with the insects, or the surrounding land or cultivation carriers where the plants are grown, are treated with an effective dose of the agricultural and horticultural insecticide composition containing flubendiamide and tolfenpyrad as active ingredients.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/03/2013** **0513/2013** **December 2016** **03/04/2017** **27948**

(51)	**Int. Cl. [8] A46B 11/02**
(71)	**1. AMR MOHAMED MAHFOZ AHMED NADA (EGYPT)** **2.** **3.**
(72)	**1. AMR MOHAMED MAHFOZ AHMED NADA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**TOOTHBRUSH ISPLACED INSIDE THE TUBE OF TOOTHPASTE OR A PASTE CAPSUIES**
	Patent Period Started From 27/03/2013 and Will end in 26/03/2020

(57) We know the importance of a toothbrush and toothpaste as a product vital personal care products and appeared products incorporate brush with putty in a single product but have many disadvantages, including cost and product damage due to misuse and clogging the brush from the inside due to the narrow channel that pass putty so you develop innovation so as not to put putty inside cavity brush but placed tubes toothpaste high fit cavity and used in extremely easy and consume until the last part of the tube without any wastage and also can manufacture pastes for use once a capsules and of course this product is important in flights, hotels and airlines because it will provide them and gives the customer much as he needs without wasting the rest of the pipe that was used by the once and thrown the rest Cost simple subject will help to spread the product and ease of use by children and schools Also enables the consumer to experience all kinds of it in this case do not have to buy a large packaging and will be bought from either capsule or tube and If impressed producer can buy larger package Manufactured product either brush full containing cavity placed the tube and is compressed by Part responsible for the discharge pipe and works to pay putty from Tube to brush and so on until the end of the tube is then changed with new ones also contains the brush in her head on moving part open and placed the capsules for use once As is made in the other part of the development brush head is linked tube putty traditional and can use both or put putty and then use the brush directly or add arms to brush head so easy to use and uses part called the valve in moving and pushing putty in channel putty to the top of the brush until it is finished all putty located in the channel putty and we need to provide once again putty tube As manufactured toothpaste tubes high and in different forms to suit cavities made in all kinds of brushes And manufactures single-use capsules circular .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/08/2012** **1351/2012** **December 2016** **03/04/2017** **27949**

(51)	**Int. Cl. [8] A43B 7/08, 7/12, 9/02**
(71)	**1. GEOX S.P.A (ITALY)** **2.** **3.**
(72)	**1. POLEGATO MORETTI, Mario** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) PD2010A000037 - 10-02-2010** **2. (PCT/EP2011/050921) – 24-01-2011** **3.**
(74)	**MAGDA HAROUN**
(12)	**Patent**

(54) SHOE WITH WATERPROOF AND VAPOR-PERMEABLE UPPER AND SOLE

Patent Period Started From 24/01/2011 and Will end in 23/01/2031

(57) A shoe with waterproof and vapor-permeable upper and sole, comprising - an upper assembly which at least comprises, in a stratified manner, a vapor-permeable or perforated outer upper, a vapor- permeable inner lining, and, between them, a functional element, - an insole having at least one waterproof vapor permeation region, - a bottom with a breathable sole. The functional element of the upper is firmly joined to the upper which ends toward the insole with a sealing band covered by an edge being associated with a perimetric rim of the insole, furthermore - the insole selectively comprises or is joined to at least one lower functional element having at least one band which is free from the protective element, - a mutual waterproof seal is provided between the functional element of the upper, at the sealing band, and the at least one lower functional element at the band.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/06/2014** **0927/2014** **November 2016** **04/04/2017** **27950**

(51)	**Int. Cl. [8] C07B 63/04 & C07C 2/20 & C09K 15/18**
(71)	**1. DORF KETAL CHEMICALS (INDIA) PRIVATE LIMITED (INDIA)** **2.** **3.**
(72)	**1. SUBRAMANIYAM, Mahesh** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IN) 3461/MUM/2011 - 09-12-2011** **2. (PCT/IN2012/000785) – 03-12-2012** **3.**
(74)	**SMAS CO**
(12)	**Patent**

(54) IMPROVED ADDITIVES COMPOSITION FOR CONTROL AND INHIBITION OF POLYMERIZATION OF AROMATIC VINYL MONOMERS, AND METHOD OF PREPARATION OF THE SAME

Patent Period Started From 03/12/2012 and Will end in 02/12/2032

(57) The present invention relates to an improved additive composition for control and inhibition of polymerization of aromatic vinyl monomers including styrene comprising one or more of aromatic nitro compounds and one or more of aliphatic tertiary amines. In one embodiment, the present invention also relates to method of use of presently provided composition. In another embodiment, the present invention also relates to method of controlling and inhibiting polymerization of aromatic vinyl monomers including styrene by employing presently provided composition. In still another embodiment, the present invention also relates to method of preparation of presently provided composition.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/10/2011** **1800/2011** **December 2016** **05/04/2017** **27951**

(51)	**Int. Cl. [8] C07D 491/052**	
(71)	**1. NISSAN CHEMICAL INDUSTRIES, LTD (JAPAN)** **2.** **3.**	
(72)	**1. TAKADA, Yasutaka** **2. KAMON, Miyako** **3. KAWAHARA, Shiro**	**4. UMEDA, Yasuhiro**
(73)	**1.** **2.**	
(30)	**1. (JP) 111281-2009 - 30-04-2009** **2. (PCT/JP2010/057698) – 30-04-2010** **3.**	
(74)	**REZK,SOHEER,MICHEAL**	
(12)	**Patent**	

(54) NOVEL CRYSTAL FORMS OF TRICYCLIC BENZOPYRAN COMPOUND AND PROCESSES FOR PRODUCING SAME

Patent Period Started From 30/04/2010 and Will end in 29/04/2030

(57) Crystal forms of (3R,4S)-7-hydroxymethyl-2,2,9-trimethyl-4-(phenethylamino)-3,4-dihydro-2H-pyrano[2,3-g]qunolin-3-ol, which is an excellent medicine, and processes for producing the crystal forms. The processes comprise crystallizing (3R,4S)-7-hydroxymethyl-2,2,9-trimethyl-4-(phenethylamino)-3,4-dihydro-2H-pyrano[2,3-g]qunolin-3-ol from an acetic acid ester solvent, an aliphatic hydrocarbon solvent, a nitrile solvent, an aromatic hydrocarbon solvent, a ketone solvent, or an ether solvent. The crystal forms are obtained by the processes.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/06/2010** **1014/2010** **December 2016** **05/04/2017** **27952**

(51)	**Int. Cl. [8] C02F 1/76**	
(71)	**1. CAFFARO CHIMICA S.R.L. IN LIQUIDAZIONE (ITALY)** **2.** **3.**	
(72)	**1. ROSELLINI, Massimiliano** **2. COLOMBI, Giorgio** **3. DANESI, Enrico**	**4. DONNINI, Nicola** **5. PETRUCCI, Giuseppe** **6. BELLUATI, Mario**
(73)	**1.** **2.**	
(30)	**1. (IT) MI2007A002388 - 19-12-2007** **2. (PCT/EP2008/010685) – 16-12-2008** **3.**	
(74)	**REZK,SOHEER,MICHEAL**	
(12)	**Patent**	

(54) APPARATUS AND METHOD FOR DISINFECTING WATER

Patent Period Started From 16/12/2008 and Will end in 15/12/2028

(57) An apparatus for on-site production of disinfectant/oxidizing products, arranged directly in the fluid to be processed, and a method for oxidation/disinfection of the affected water in order to avoid microbiological proliferation phenomena, which can cause hygienic and sanitary problems or problems of failed efficiency of systems. The apparatus for disinfecting water with on-site production of oxidizing/disinfecting products at the desired concentrations includes storage tanks for chemical reagents, pumps and pipes for connection, and a source of disinfectant and oxidizing products that is immersed in the water to be disinfected.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/09/2013** **1470/2013** **December 2016** **05/04/2017** **27953**

(51)	**Int. Cl. [8] G01L 19/032**	
(71)	**1. FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V (GERMANY)** **3.**	
(72)	**1. DISCH, Sascha** **2. SCHUBERT, Benjamin** **3. GEIGER, Ralf**	**4. DIETZ, Martin**
(73)	**1.** **2.**	
(30)	**1. (US) 61/588,998 - 20-01-2012** **2. (PCT/EP2012/076746) – 21-12-2012** **3.**	
(74)	**H0DA SERAG ELDIN**	
(12)	**Patent**	

(54) APPARATUS AND METHOD FOR AUDIO ENCODING AND DECODING EMPLOYING SINUSOIDAL SUBSTITUTION

Patent Period Started From 21/12/2012 and Will end in 20/12/2032

(57) An apparatus for generating an audio output signal based on an encoded audio signal spectrum is provided. The apparatus comprises a processing unit, a pseudo coefficients determiner, a spectrum modification unit, a spectrum-time conversion unit, a controllable oscillator and a mixer. The pseudo coefficients determiner is configured to determine one or more pseudo coefficients of the decoded audio signal spectrum, each of the pseudo coefficients having a spectral location and a spectral value. The spectrum modification unit is configured to set the one or more pseudo coefficients to a predefined value to obtain a modified audio signal spectrum. The spectrum- time conversion unit is configured to convert the modified audio signal spectrum to a time-domain to obtain a time-domain conversion signal. The controllable oscillator is configured to generate a time-domain oscillator signal, the controllable oscillator being controlled by the spectral location and the spectral value of at least one of the one or more pseudo coefficients. The mixer is configured to mix the time-domain conversion signal and the time-domain oscillator signal to obtain the audio output signal.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/07/2013** **1134/2013** **December 2016** **05/04/2017** **27954**

(51)	**Int. Cl. [8] H04N 7/26**
(71)	**1. SONY CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. SATO Kazushi** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2011-003245 - 11-01-2011** **2. (PCT/JP2012/050016) – 04-01-2012** **3.**
(74)	**NAHED WADIH RIZK**
(12)	**Patent**

(54) IMAGE PROCESSING DEVICE AND METHOD

Patent Period Started From 04/01/2012 and Will end in 03/01/2032

(57) The present technology relates to an image processing device and method that are able to enable an increase in encoding efficiency while suppressing a decrease in encoding process efficiency. The present invention is provided with: an encoding mode setting unit that, for each encoding unit having a hierarchical structure, sets whether to select a non-compression mode that is an encoding mode that outputs image data as encoded data as an encoding mode when encoding the image data; and an encoding unit that encodes the image data for each encoding unit in accordance with the mode set by the encoding mode setting unit. The present disclosures, for example, can be applied to an image processing device.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/12/2013** **1918/2013** **December 2016** **05/04/2017** **27955**

(51)	**Int. Cl. [8] H04N 7/26, 7/50 & H03M 7/42**	
(71)	**1. FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V.(GERMANY)** **3.**	
(72)	**1. GEORGE, Valeri** **2. BROSS, Benjamin** **3. KIRCHHOFFER, Heiner** **4. MARPE, Detlev** **5. NGUYEN, Tung**	**6. PREISS, Matthias** **7. SIEKMANN, Mischa** **8. STEGEMANN, Jan** **9. WIEGAND, Thomas**
(73)	**1.** **2.**	
(30)	**1. (US) 61/497,794 - 16-06-2011** **2. (US) 61/508,506 - 15-07-2011** **3. (PCT/EP2012/061613) – 18-06-2012**	
(74)	**NAHED WADIH RIZK**	
(12)	**Patent**	

(54) ENTROPY CODING OF MOTION VECTOR DIFFERENCES

Patent Period Started From 18/06/2012 and Will end in 17/06/2032

(57) A decoder for decoding a video from a data stream into which horizontal and vertical components of motion vector differences are coded using binarizations of the horizontal and vertical components is described, the binarizations equaling a truncated unary code of the horizontal and vertical components, respectively, within a first interval of the domain of the horizontal and vertical components below a cutoff value, and a combination of a prefix in form of the truncated unary code for the cutoff value and a suffix in form of a Exp-Golomb code of the horizontal and vertical components, respectively, within a second interval of the domain of the horizontal and vertical components inclusive and above the cutoff value, wherein the cutoff value is two and the Exp-Golomb code has order one. An entropy decoder is configured to, for the horizontal and vertical components of the motion vector differences, derive the truncated unary code from the data stream using context- adaptive binary entropy decoding with exactly one context per bin position of the truncated unary code, which is common for the horizontal and vertical components of the motion vector differences, and the Exp-Golomb code using a constant equi-probability bypass mode to obtain the binarizations of the motion vector differences. A desymbolizer is configured to debinarize the binarizations of the motion vector difference syntax elements to obtain integer values of the horizontal and vertical components of the motion vector differences; A reconstructor is configured to reconstruct the video based on the integer values of the horizontal and vertical components of the motion vector differences**.**

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/02/2014** **0172/2014** **December 2016** **05/04/2017** **27956**

(51)	**Int. Cl. [8] C02F 1/00, 1/44, & B01D 61/08, 61/02**
(71)	**1. Unilever Plc (UNITED KAGDOM)** **2.** **3.**
(72)	**1. DAVE, Parthiv Ripudaman** **2. NALAWADE, Shrikant Popat** **3. SAKSENA, Skand**
(73)	**1.** **2.**
(30)	**1. (IN) 2492/MUM/2011 - 07-09-2011** **2. (PCT/EP2012/065791) – 13-08-2012** **3.**
(74)	**NAHED WADIH RIZK**
(12)	**Patent**

(54)	**A WATER PURIFICATION SYSTEM**
	Patent Period Started From 13/08/2012 and Will end in 12/08/2032

(57) The invention relates to a device and method for purification of water using Reverse Osmosis (RO) membrane. There is a need to maintain uniform TDS level in the output water that has been purified using a reverse osmosis process where there is significant variation in the TDS levels of the input water. This is important considering the fact that there may be significant variation in the TDS levels from various sources of water. It is thus an object of the present invention to design a filter cartridge to ensure that the TDS level in the water purified by a reverse osmosis membrane is maintained within a range of 25 to 200 ppm (parts per million) irrespective of the TDS levels in the input water. It is another object of the present invention to provide a filter cartridge that provides sustained release of TDS over a typical lifetime of an RO membrane which is generally about 8,000 to 10,000 litres. We have determined that a certain combination of calcium carbonate and magnesium carbonate provides controlled increase in TDS irrespective of the TDS levels in the input water, thereby making the water palatable.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/07/2013** **1159/2013** **December 2016** **05/04/2017** **27957**

(51)	**Int. Cl. [8] B01F 3/06 & B01D 53/86 & B01J 8/06, 19/18**	
(71)	**1. CATACEL CORP (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. WHITTENBERGER, William, A** **2. BRUNSON, Gordon, W** **3. DAVIS, Brian, L**	**4. ROMESBERG, Todd, A** **5. BARTOS, Randall, J** **6. WHITTENBERGER, Joseph, W**
(73)	**1.** **2.**	
(30)	**1. (US) 61/437.103 - 28-01-2011** **2. (PCT/US2012/022888) – 27-01-2012** **3.**	
(74)	**NAHED WADIH RIZK**	
(12)	**Patent**	

(54) IMPROVED STACKABLE STRUCTURAL REACTORS

Patent Period Started From 27/01/2012 and Will end in 26/01/2032

(57) A reactor for carrying out catalytic reactions. The reactor includes a reactor component optionally arranged on a central rod in a reactor tube. The reactor component can have fluid ducts for directing fluid flow through the reactor. The fluid ducts are effective for increasing heat transfer in the reactor. The reactor component can further have a washer attached to a top or bottom surface for directing fluid flow.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	E G	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/10/2014** **1709/2014** **December 2016** **05/04/2017** **27958**

(51)	**Int. Cl. [8] E02D 5/06**
(71)	**1. ARCELORMITTAL INVESTIGACIN Y DESARROLLO S.L. (SPAIN)** **2.** **3.**
(72)	**1. DA SILVA AREDE, Luis** **2. FAGOT, Anne** **3. MAUER, Thierry** **REICHERT, Pol**
(73)	**1.** **2.**
(30)	**1. (PCT/IB2012/001308) – 03-07-2012** **2.** **3.**
(74)	**NAHED WADIH RIZK**
(12)	**Patent**

(54)	**SHEET PILE**
	Patent Period Started From 03/07/2012 and Will end in 02/07/2032

(57) A method and a tool for forming a seal in a lock chamber of a sheet pile are proposed. The method comprises the steps of: introducing a seal forming tool into the lock chamber; injecting a sealing material into a distribution chamber of the tool from where it axially fills longitudinally extending recesses in a seal-shaping module; and moving the tool longitudinally through the lock chamber, whereby the sealing material is shaped by the seal-shaping module. The distribution chamber is a closed chamber inside the tool and. spaced from the longitudinally extending recesses; and the tool comprises moreover at least two distribution channels connecting in parallel the distribution chamber to the recesses, the parallel distribution channels being fine-tuned for apportioning the flow of sealing material between the recesses.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/11/2013** **1718/2013** **December 2016** **05/04/2017** **27959**

(51)	**Int. Cl. [8] B65D 90/00**
(71)	**1. Channell Commercial Corporation (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BURKE, Edward, J** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/484,601 - 10-05-2010** **2. (PCT/US2012/037383) – 10-05-2012** **3.**
(74)	**NAHED WADIH RIZK**
(12)	**Patent**

(54) LID -LIFT HOLE LINER AND CONTAINMENT BOX FOR UTILITY VAULT LIDS AND UTILITY VAULT LID THEREWITH

Patent Period Started From 10/05/2012 and Will end in 09/05/2032

(57) A lid-lift hole assembly for an underground utility vault lid comprises a liner positioned in an open-ended lid-lift hole, and a receptacle positioned below the liner. The receptacle has a bottom wall with upright side walls forming an upwardly facing open space within the receptacle. Opposite side walls of the receptacle contain thru-holes for receiving fasteners . The thru-holes are aligned with fastener holes in opposite side walls of the liner. Fasteners extending through the thru-holes and into the fastener holes (from the underside of the lid are tightened to apply pressure to the juncture between the receptacle and the liner to lock the liner in the lid-lift hole. The receptacle forms an enlarged-volume, box-like enclosure rigidly (but releasably) held beneath an open passage through the liner. The space inside the receptacle can contain debris kept from entering the working area of the vault. The space inside the receptacle also is shaped to receive a tool for removing the lid.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/01/2014** **0032/2014** **December 2016** **05/04/2017** **27960**

(51)	**Int. Cl. [8] E04B 1/74**	
(71)	**1. SCIENCE AND TECHNOLOGY DEVELOPMENT FUND (EGYPT)** **2.** **3.**	
(72)	**1. Amr Mohamed Ezzat Safwat Aboelatta** **2. Ola Mohamed Galal El Din Ali Fahmy** **3. Sally Ibrahim Mahmoud Mohamed Farag El-Henawy**	**4. Mohamed Waguih Naeem Mohamed** **5. Islam Ayman Kamal Mohamed Abdellatif Mashalee** **6. Osama Nabil Mohamed Abd El-Fatah**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)	**MARWA ALAA ELDEN ABDEL MAJID**	
(12)	**Patent**	

(54)	**ILLUMINATION OF DENSE URBAN AREAS BY LIGHT REDIRECTING SINE WAVE PANELS**
	Patent Period Started From 09/01/2014 and Will end in 08/01/2034

(57) With the high population growth rate, especially in developing countries, and the scarcity of land resources, buildings are becoming so close to each other, depriving the lower floors and the alleys from sunlight and consequently causing health problems. Therefore, there is an urgent need for cost-effective efficient light redirecting panels that guide sun rays into those dim places.The present invention is a method and means of transmitting sunlight downward into a narrow alleys and streets, by using a day-lighting guiding acrylic panel that is capable of changing the direction and distribution of the incident light.The core of the proposed daylight guidance system is made up of light transmission panels with high quality prismatic structure. The linear prisms have sine wave shaped cross-section so that the panel functions as an optical diffusor perpendicular to the optical axis. The day lighting system consists of the prismatic panels and a lattice frame, which supports the panel. The proposed system is to be mounted on the building roof facing the sun so as to redirecting incident sunlight downward into the narrow alleys or streets. Since building sizes and orientations are different the frame is arranged such that substantially deep light penetration and high luminance level can be achieved**.**

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	E G	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/04/2013** **0589/2013** **December 2016** **05/04/2017** **27961**

(51)	**Int. Cl. [8] B01D 63/08, 61/36**
(71)	**1. AAA WATER TECHNOLOGIES AG (SWITZERLAND)** **2.** **3.**
(72)	**1. HEINZL, Wolfgang** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 1 0 2010 048 160.2 - 11-10-2010** **2. (PCT/EP2011/004726) – 21-09-2011** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) MULTISTAGE MEMBRANE DISTILLATION DEVICE

Patent Period Started From 21/09/2011 and Will end in 20/09/2031

(57) The invention relates to a multistage membrane distillation device comprising a heating stage, preferably multiple condensing/evaporating stages, and a condensing stage through which a liquid to be concentrated is passed in succession. Each condensing/evaporating stage comprises at least one condensing unit (K) and at least one evaporating unit (V). Each condensing unit comprises a first steam chamber that is delimited at least partly by a condensation wall, and each evaporating unit comprises a second steam chamber that is delimited at least partly by a steam-permeable liquid-tight membrane wall. At least one flow channel which is formed between such a condensing unit K and such an evaporating unit V that adjoins said condensing unit and which conducts the liquid to be concentrated is provided in each condensing/evaporating stage so that the liquid to be concentrated is heated by means of the condensation wall, and the steam that is generated from the liquid to be concentrated reaches the second steam chamber through the membrane wall. The steam that is produced in a respective preceding stage is conducted into a condensing unit of the immediately following stage via a steam channel which exclusively conducts said steam and which exclusively further conducts said steam to the immediately following stage.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** 03/11/2013 **(21)** 1680/2013 **(44)** December 2016 **(45)** 05/04/2017 **(11)** 27962

(51)	**Int. Cl. [8] B01J 23/46 & C25B 11/04 & H01M 4/90 & C23C 18/12**
(71)	**1. INDUSTRIE DE NORA S.P.A. (ITALY)** **2.** **3.**
(72)	**1. BRICHESE, Marianna** **2. ANTOZZI, Antonio Lorenzo** **3. CALDERARA, Alice**
(73)	**1.** **2.**
(30)	**1. (IT) MI2011A000735 - 03-05-2011** **2. (PCT/EP2012/058144) – 03-05-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) ELECTRODE FOR ELECTROLYTIC PROCESSES AND METHOD OF MANUFACTURING THEREOF

Patent Period Started From 03/05/2012 and Will end in 02/05/2032

(57) The invention relates to an electrode for electrolytic processes, particularly to a cathode suitable for hydrogen evolution in an industrial electrolysis process comprising a metal substrate coated with an external catalytic layer containing crystalline ruthenium oxide having a highly ordered rutile-type structure with Ru Ru and Ru O bond length characterised by a Debye-Waller factor lower than a critical value. The catalytic outer layer may contain rare earth oxides, such as praseodymium. The electrode may also comprise an internal catalytic thin layer platinum-based, which gives an enhanced protection against accidental current reversal events**.**

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/04/2013** **0591/2013** **December 2016** **05/04/2017** **27963**

(51)	**Int. Cl. [8] F23D 11/06**	
(71)	**1. OUTOTEC OYJ (FINLAND)** **2. SAACKE GmbH (GERMANY)** **3.**	
(72)	**1. DAUM, Dipl.-Ing. Karl-Heinz** **2. SCHALK, Dipl.-Ing. Wolfram** **3. HEIN, Dr.-Ing. Jean Claude** **4. SCHULLER, Dipl.-Ing. Thomas**	**5. EMICH, Dipl.-Ing. Ludwig** **6. RIEGER, Bernhard** **7. STERNER, Dieter** **8. ARNING, Johann-Peter**
(73)	**1.** **2.**	
(30)	**1. (DE) 10 2010 047895.4 - 11-10-2010** **2. (PCT/EP2011/067606) – 07-10-2011** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) PROCESS FOR THE COMBUSTION OF A LIQUID

Patent Period Started From 07/10/2011 and Will end in 06/10/2031

(57) Process for the Combustion of a Liquid For the combustion of a liquid in a combustion chamber the liquid is atomized by means of a rotary atomizer and introduced into a combustion chamber, where it is evaporated and subsequently burnt. The liquid is charged onto the inside of a cup, wherein due to the rotation of the cup a liquid film is formed on its inside and parts of the liquid film are radially flung off from the cup edge into the combustion chamber. In accordance with the invention the thickness of the liquid film in the cup is controlled by varying the rotational speed of the cup such that a thickness between 200 and 1000 micro Meter is adjusted.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/10/2014** **1591/2014** **December 2016** **05/04/2017** **27964**

(51)	**Int. Cl. [8] C05C 7/02**	
(71)	**1.** OTKRYTOE AKTSIONERNOE OBSCHESTVO RESEARCH & DESIGN **2.** INSTITUTE OF UREA AND ORGANIC SYNTHESIS PRODUCTS (OAO NIIK) **3.** (RUSSIA)	
(72)	**1. BESEDIN, Aleksei Borisovich** **2. SHNEPP, Yury Borisovich** **3. BAKLAN, Georgy Sergeevich** **4. DUNAEVA, Olga Aleksandrovna**	**5. RODIONOV, Aleksandr Sergeevich** **6. KIZIMENKO, Valentina Leonidovna** **7. PROKOPYEV, Aleksandr Alekseevich** **8. KUZNETSOV, Nikolai Mikhailovich**
(73)	**1.** **2.**	
(30)	**1. (RU) 2012114061 - 10-04-2012** **2. (PCT/RU2013/000317) – 04-04-2013** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) METHOD AND APPARATUS FOR PRODUCING FERTILIZER IN GRANULAR FORM

Patent Period Started From 04/04/2013 and Will end in 03/04/2033

(57) The invention relates to methods and apparatuses for producing fertilizers in granular form, for example carbamide and ammonium nitrate. The fertilizer in granular form is produced by means of dispersing fertilizer melt in a volume of a granulating tower, where drops of melt formed are cooled and are hardened when coming into contact with the rising flow of air. The granules produced are cooled in a separate fluidized bed apparatus with a horizontal movement of granules. In the fluidized bed apparatus, separate removal of dust-filled air is performed from at least two zones of the apparatus, wherein the dust-filled cooling air from the first zone of the apparatus in the direction of passage of the granules is directed into a device for purifying the dust-filled air, and the dust-filled cooling air from the subsequent zones of the apparatus is directed into the granulating tower. The technical result consists in reducing the volume of dust-filled air arriving for purification from the fluidized bed apparatus and reducing the energy losses and costs involved in the purification of this air as a result.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/03/2014** **0345/2014** **December 2016** **05/04/2017** **27965**

(51)	**Int. Cl. [8] C23C 8/20 & B01J 19/30**
(71)	**1. OUTOTEC OYJ (FINLAND)** **2.** **3.**
(72)	**1. DAUM, Karl-Heinz** **2. SCHALK, Wolfram** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 10 2011 112 779.1- 09-09-2011** **2. (PCT/EP2012/066879) – 30-08-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**PACKED TOWER**
	Patent Period Started From 30/08/2012 and Will end in 29/08/2032

(57) A packed tower, in particular for the absorption of water or SO3 in sulfuric acid, includes a bed of packings held on a domed grid through which the sulfuric acid charged from above trickles, a gas supply tube provided in the lower region of the tower, a gas outlet provided above the bed, and an acid outlet provided in the lower region of the tower. To reduce the corrosion, the domed grid is held on an L-shaped ring such that between the outside diameter of the domed grid and the jacket of the packed tower a gap is formed.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/12/2012** **2130/2012** **December 2016** **05/04/2017** **27966**

(51)	**Int. Cl. [8] F23D 14/82, 14/04**
(71)	**1. SABAF S.P.A. (ITALY)** **2.** **3.**
(72)	**1. BETTINZOLI, Angelo** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/IT2010/000291) – 30-06-2010** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**GAS BURNER WITH MEANS FOR PREVENTING FLAME PROPAGATION**
	Patent Period Started From30/06/2010 and Will end in 29/06/2030

(57) Gas burner for domestic use, of the type comprising at least one Venturi effect mixer in fluid connection with at least one combustion mixture distribution chamber and with at least one flame spreader associated with said distribution chamber, in addition to first means for preventing flame propagation of the fluid flow splitting type. Advantageously, the above-mentioned first preventing means are arranged downstream of the Venturi effect mixer and upstream of the combustion mixture distribution chamber, separating said Venturi effect mixer from the distribution chamber.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/08/2013** **1271/2013** **December 2016** **06/04/2017** **27967**

(51)	**Int. Cl. [8] H04N 7/26**
(71)	**1. SONY CORPORATION (JAPNA)** **2.** **3.**
(72)	**1. TANAKA, Junichi** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2011-027896 - 10-02-2011** **2. (JP) 2011-047655 - 04-03-2011** **3. (JP) 2011-187179 - 30-08-2011** **4. (PCT/JP2012/050931) – 18-01-2012**
(74)	**NAHED WADIH RIZK**
(12)	**Patent**

(54) IMAGE PROCESSING DEVICE AND IMAGE PROCESSING METHOD

Patent Period Started From 18/01/2012 and Will end in 17/01/2032

(57) To moderate the decrease of encoding efficiency accompanying the update of a quantization matrix. [Solution] Provided is an image processing device provided with: an acquisition unit for acquiring a quantization matrix parameter from an encoded stream wherein the quantization matrix parameter defining a quantization matrix is set in a parameter set different from a sequence parameter set and a picture parameter set; a setting unit for setting a quantization matrix to be used at the time of the inverse quantization of data decoded from the encoded stream, on the basis of the quantization matrix parameter acquired by the acquisition unit; and an inverse quantization unit for inverse quantization of the data decoded from the encoded stream using the quantization matrix set by the setting unit.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	E G ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/12/2013** **1894/2013** **October 2016** **09/04/2017** **27968**

(51)	**Int. Cl. [8] B65D 41/34**
(71)	**1. CLOSURE SYSTEMS INTERNATIONAL INC.(UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BASHYAM, Navaneeth** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/496,895 - 14/06/2011** **2. (PCT/US2012/042368) – 14/06/2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) CLOSURE HAVING IMPROVED PERFORMANCE

Patent Period Started From 14/06/2012 and Will end in 13/06/2032

(57) A plastic closure formed from polymeric materials in accordance with the present invention is configured for enhanced performance, including enhanced strength and impact resistance. In one aspect of the present invention, the closure includes a top wall portion, and an annular, depending skirt portion which defines a plurality of circumferentially spaced, axial columns. Notably, in accordance with the illustrated embodiment, each of these axial columns is provided by a group of gripping knurls provided on the exterior of the skirt portion, with each group of the gripping knurls having relatively shallow valleys between adjacent ones of the knurls.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/10/2013** **1647/2013** **October 2016** **09/04/2017** **27969**

(51)	**Int. Cl. [8] B65D 41/04**
(71)	**1. CLOSURE SYSTEMS INTERNATIONAL INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. KAMATH, Ramesh** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/480,740 - 29-04-2011** **2. (PCT/US2012/035422) – 27-04-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**DOUBLE-WALL CLOSURE**
	Patent Period Started From 27/04/2012 and Will end in 26/04/2032

(57) A composite closure having a double-wall configuration facilitates convenient use by consumers, and permits in-shell formation of a sealing liner, The closure includes an outer closure cap having inner and outer annular skirt portions arranged in concentric relationship with each other, The closure includes a sealing liner formed in the closure cap at the inside surface of the top wall portion of the closure cap. A method of compression-molding the sealing liner is disclosed.

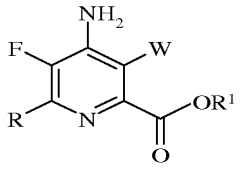
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22) 24/07/2013** **(21) 1214/2013** **(44) October 2016** **(45) 11/04/2017** **(11) 27970**

(51)	**Int. Cl. [8] A01N 43/40 & C C07D 213/04**	
(71)	**1. DOW AGROSCIENCES LLC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. WHITEKER, Gregory, T** **2. ARNDT, Kim, E** **3. RENGA, James, M** **4. ZHU, Yuanming** **5. LOWE, Christian, T**	**6. SIDDALL, Thomas, L** **7. PODHOREZ, David, E** **8. ROTH, Gary, Alan** **9. WEST, Scott, P**
(73)	**1.** **2.**	
(30)	**1. (US) 61/435,958 - 25-01-2011** **2. (PCT/US2012/022291) – 24-01-2012** **3.**	
(74)	**ABD ELHADI OFFICE**	
(12)	**Patent**	

(54) PROCESS FOR THE PREPARATION OF 4-AMINO-5-FLUORO-3-HALO-6-(SUBSTITUTED)PICOLINATES

Patent Period Started From 24/01/2012 and Will end in 23/01/2032

(57) 4- Amino-5-fluoro-3-halo-6-(substituted)picolinates are conveniently prepared from 4,5,6-trichloropicolinates by a series of steps involving fluorine exchange, amination, halogen exchange, halogenation and transition metal assisted coupling.



I

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/06/2013** **0973/2013** **October 2016** **11/04/2017** **27971**

(51)	**Int. Cl. [8] C09K 8/48**
(71)	**1. PRAD RESEARCH AND DEVELOPMENT LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. MICHAUX, Michel** **2. GABILLY, Laurent** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 10195830.4 - 18-12-2010** **2. (PCT/EP2011/006364) – 07-12-2011** **3.**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) WEIGHTING AGENTS FOR HIGH-TEMPERATURE AND HIGH-PRESSURE SUBTERRANEAN WELLS

Patent Period Started From 07/12/2011 and Will end in 06/12/2031

(57) A method for cementing a subterranean well, comprising:
(i) providing a cement slurry comprising water, portland cement and silica; and
(ii) incorporating into the cement slurry an additive comprising one or more metal sulfates in the list comprising barite, celestine and anglesite, wherein the average particle size of the additive is smaller than 10 urn; and
(iii) placing the slurry into the well, wherein, the bottomhole temperature in the well is higher than or equal to 200°c and the bottomhole pressure is higher than or equal to 69 mpa, such that the cement slurry sets and forms xonotlite as a binding phase, wherein the metal sulfates are present in at least two median particle-size ranges such that particle packing is optimized .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/10/2014** **1602/2014** **October 2016** **11/04/2017** **27972**

(51)	**Int. Cl. [8] C09K 8/10 & E21B 43/22**	
(71)	**1. SCHLUMBERGER TECHNOLOGY B-V (NETHERLANDS)** **2.** **3.**	
(72)	**1. LAFITTE, Valerie** **2. LEE, Jesse C** **3. ALI, Syed A**	**4. SULLIVAN, Philip F**
(73)	**1.** **2.**	
(30)	**1. (US) 61/624,038 - 13-04-2012** **2. (US) 13/834,841 - 15-03-2013** **3. (PCT/US2013/035372)- 05-04-2013**	
(74)	**AMRO ELDEEP**	
(12)	**Patent**	

(54) FLUIDS AND METHODS INCLUDING NANOCELLULOSE

Patent Period Started From 05/04/2013 and Will end in 04/04/2033

(57) Treatment fluids and methods for treating a subterranean formation are disclosed that include introducing a treatment fluid into a subterranean formation, the treatment fluid containing a nanocrystalline cellulose**.**

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/10/2014** **1584/2014** **October 2016** **11/04/2017** **27973**

(51)	**Int. Cl. [8] B01D 53/14, 53/18 & C07C 4/04 & C10G 9/00, 9/36**
(71)	**1. LINDE AKTIENGESELLSCHAFT (GERMANY)** **2.** **3.**
(72)	**1. PHAM DUC, Tuat** **2. SCHMIGALLE, Holger** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 10 2012 006992.8 - 05-04-2012** **2. (PCT/EP2013/000973) – 02/04/2013** **3.**
(74)	**ABD ELHADY**
(12)	**Patent**

(54) METHOD FOR SEPARATING OLEFINS WITH GENTLE CLEAVAGE

Patent Period Started From 02/04/2013 and Will end in 01/04/2033

(57) The invention relates to a method for producing olefins, in which a hydrocarbon-containing charge material is introduced into a cracking furnace, where longer-chain hydrocarbons of the hydrocarbon-containing charge material are cleaved at least in part into shorter-chain olefins comprising ethylene and propylene. Cracked gas formed in the cleavage is successively conducted through a lower section and an upper section of a wash column in countercurrent to a liquid washing agent. A petroleum-ether-rich fractionin the lower section of the wash column and a water-rich fraction in the upper section of the wash column are used as the washing agent. The present invention likewise relates to a system designed to perform the method.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** 27/09/2012 **(21)** 1667/2012 **(44)** October 2016 **(45)** 11/04/2017 **(11)** 27974

(51)	**Int. Cl. [8] C03C 17/23, 17/34, 17/36 & F24J 2/00, 2/46 & G02B 5/08 & H01L 31/00**
(71)	**1. PPG INDUSTRIES OHIO, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. HASKINS, David, R** **2. ARBAB, Mehran** **3. WAGNER, Andrew, V**
(73)	**1.** **2.**
(30)	**1. (US) 61/319,601 - 31-03-2010** **2. (US) 13/073,332 - 28-03-2011** **3. (PCT/US2011/030243) – 29-03-2011**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) A MIRROR HAVING REFLECTIVE COATINGS ON A FIRST SURFACE AND AN OPPOSITE SECOND SURFACE

Patent Period Started From 29/03/2011 and Will end in 28/03/2031

(57) A solar mirror includes an opaque reflective coating on a surface of a transparent substrate facing away from the sun and a transparent reflective coating on the opposite surface of the substrate. The transparent reflective coating increases the percent reflection of wavelengths in selected ranges, e.g. wavelengths in the infrared range to increase the total solar energy reflected by the solar mirror to increase the solar energy directed to a receiver that converts solar energy to electric and/or thermal energy.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**32/08/2012** **1436/2012** **October 2016** **11/04/2017** **27975**

(51)	**Int. Cl. [8] E21B 19/00, 43/12 & H02G 9/06**	
(71)	**1. PRAD RESEARCH AND DEVELOPMENT LIMITED (UNITED KINGDOM)** **2.** **3.**	
(72)	**1. VARKEY, Joseph** **2. ROSS, Allan D** **3. ARDIC, Hifzi**	**4. WIJNBERG, Willem** **5. YUN, Jushik** **6. LOZANO-GENDREAU, Ramon**
(73)	**1.** **2.**	
(30)	**1. (US) 61/307,682 - 24-02-2010** **2. (PCT/US2011/026058) – 24-02-2011** **3.**	
(74)	**ABD ELHADI OFFICE**	
(12)	**Patent**	

(54) PERMANENT CABLE FOR SUBMERSIBLE PUMPS IN OIL WELL APPLICATIONS

Patent Period Started From 24/02/2011 and Will end in 23/02/2031

(57) A technique facilitates the employment of an electric submersible pumping system or other well system downhole into a wellbore. The electric motor system is coupled with a signal carrying cable for conveyance to a desired downhole location in the wellbore. The signal carrying cable is constructed with sufficient strength to solely support the electric motor system during deployment and use in the wellbore without addition of a separate supporting mechanism.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	E G	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/04/2013** **0689/2013** **October 2016** **11/04/2017** **27976**

(51)	**Int. Cl. [8] B26B 21/44, 21/40**
(71)	**1. THE GILLETTE COMPANY LLC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. WAIN, Kevin, James** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (CN) 201010524331.7 - 28-10-2010** **2. (PCT/US2011/058205) – 28-10-2011** **3.**
(74)	
(12)	**Patent**

(54)	**APPLICATOR FOR LIQUID DISPENSING HAIR REMOVAL DEVICE**
	Patent Period Started From 28/10/2011 and Will end in 27/10/2031

(57) A liquid dispensing hair removal device having a handle with a cartridge mounted to the handle. The cartridge has a guard, a cap, and at least one blade behind the guard and in front of the cap. A dispensing unit is within the handle. The dispensing unit has a reservoir, a pump in liquid communication with the reservoir, and an applicator in liquid communication with the pump. The applicator has a guard with a plurality of ribs and an outlet port in front of the ribs.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	E G	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/05/2013** **0798/2013** **October 2016** **11/04/2017** **27977**

(51)	**Int. Cl. [8] B26B 21/52, 21/22**
(71)	**1. THE GILLETTE COMPANY LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. DONG, Fang** **2. WINTER, Florina** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/CN2011/000532) – 28-03-2011** **2.** **3.**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54)	**HAND HELD DEVICE HAVING A ROTATIONAL AXIS**
	Patent Period Started From 28/03/2011 and Will end in 27/03/2031

(57) A hand held device comprising: a handle, said handle comprising a grip portion and a connection portion, said connection portion rotating with respect to said grip portion about a rotational axis, said connection portion forming a docking portion suitable for receiving an optional head unit, said docking portion being positioned opposite distally away from said grip portion, wherein the grip portion and the connection portion are connected by a rod, said rod comprising a distal end non-rotatably attached to the grip portion and a proximal end non-rotatably attached to the connection portion, wherein rotational axis forms a central longitudinal axis of said rod.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/12/2015** **2041/2015** **November 2016** **12/04/2017** **27978**

(51)	**Int. Cl. [8] H04W 36/12, 88/14**
(71)	**1. NEC CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. ZEMBUTSU, Hajime** **2. TAMURA, Toshiyuki** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2013-141127 - 04-07-2013** **2. (JP) 2013-187106 - 10-09-2013** **3. (PCT/JP2014/067891) – 04-07-2014**
(74)	**SONIA SUPER FARAJ**
(12)	**Patent**

(54) COMMUNICATION SYSTEM, METHOD, AND APPARATUS

Patent Period Started From 04/07/2014 and Will end in 03/07/2034

(57) The present invention achieves a reduction in the cost of equipment of the entire core network and provides an efficient handover function. Using lapi (low access priority indication) information of an rrc connection request from a terminal, a base station selects a specific mobility management node .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/05/2014** **0769/2014** **December 2016** **12/04/2017** **27979**

(51)	**Int. Cl. [8] B65D 51/20, 41/62**
(71)	**1. ARAGONESA DE DESARROLLOS E INNOVACIONES S.L. . (SPAIN)** **2.** **3.**
(72)	**1. ARANDA CAMPIN, David** **2. ROTTIER TUNEU, Sergio CANALS SIN, Angel** **3. CANALS SIN, Angel** **4. SOLER-ROIG DUALDE, Alejo**
(73)	**1.** **2.**
(30)	**1. (ES) U201131191 - 17-11-2011** **2. (PCT/ES2012/070282) – 25-04-2012** **3.**
(74)	**NAHID WADI RIZK TARAZI**
(12)	**Utility Model**

(54) PROTECTIVE SLEEVE FOR BEVERAGE CANS

Patent Period Started From 25/04/2012 and Will end in 24/04/2019

(57) The invention relates to a protective sleeve for beverage cans, of the type used as a hygienic protector that can be applied individually to each container, said sleeve including horizontal tearing means for accessing the pull ring of the can and vertical tearing means in the form of a pre-punched longitudinal strip. The sleeve is characterized in that it comprises a tubular body provided with a shaped base and, at the opposite end, an upper body, said sleeve being made from a strong, waterproof, printed material, having a similar configuration to the can and, optionally, including information in braille.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/03/2013** **0437/2013** **December 2016** **13/04/2017** **27980**

(51)	**Int. Cl. [8] A61M 1/06, 39/10**
(71)	**1. BRITTNER, LYNDON. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BRITTNER, LYNDON** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/898,600 - 05-10-2010** **2. (PCT/US2011/054649) – 03-10-2011** **3.**
(74)	**EMAN YOUSSEF MOHAMMED HAFEZ**
(12)	**Patent**

(54) HANDS-FREE BREAST PUMP SYSTEM

Patent Period Started From 03/10/2011 and Will end in 02/10/2031

(57) A hands-free breast pump system is disclosed. A breast shield having an adhesive inner surface for adhering to a woman's breast is disclosed. The breast shield may be connected to an adapter for transferring a vacuum generated by a pump to the breast. The adapter also allows milk expressed from the breast to drain from the adapter to a container. In the alternative, the breast shield may form part of a breast shield adapter system which is connected to a conventional breast shield by a drain line so that a conventional breast pump system is used to supply a vacuum and to collect the milk.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	E G	**(22) 23/04/2014** **(21) 0640/2014** **(44) December 2016** **(45) 18/04/2017** **(11) 27981**

(51)	**Int. Cl. [8] C04B 41/63 & H01L 31/048**
(71)	**1. ITALCEMENTI S.P.A. (ITALY)** **2.** **3.**
(72)	**1. ALFANI, Roberta** **2. CAPONE, Claudia** **3. ROMBOLA' OTTAVIO, Antonio**
(73)	**1.** **2.**
(30)	**1. (IT) MI2011A001950 - 27-10-2011** **2. (PCT/EP2012/004506) – 26-10-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PREPARATION OF CEMENTITIOUS ARTICLES WITH A HIGH SURFACE FINISH FOR USE IN ELECTRICAL DEVICES

Patent Period Started From 26/10/2012 and Will end in 25/10/2032

(57) The preparation of cementitious articles with a high surface finish, useful for the preparation of electrical devices, in particular photovoltaic devices, is described. The process involves exposing a prefabricated cementitious article to specific temperature and pressure intervals, for a given time period, and then coating the article thus treated with a polymer film, preferably based on polyimide, in specific quantities. Heat-resistant cementitious surfaces with a low, controlled and regular roughness, without point- like defects, suitable for the deposition of additional thin films, in particular metallic films and absorbent films, typically used for the manufacture of photovoltaic cells and/ or modules, are obtained.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/11/2010** **1962/2010** **December 2016** **18/04/2017** **27982**

(51)	**Int. Cl. [8] G06K 19/02**
(71)	**1. AMERICAN EXPRESS TRAVEL RELATED SERVICES COMPANY, INC (UNITED** **2. STATES OF AMERICA)** **3.**
(72)	**1. VARGA, Steven** **2. MORRILL WEBB, Lisa, Ann** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/125.750 - 22-05-2008** **2. (PCTUS2008/079016)- 07-10-2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METAL-CONTAINING TRANSACTION CARD AND METHOD OF MAKING THE SAME

Patent Period Started From 07/10/2008 and Will end in 06/10/2028

(57) Method of making a transaction card comprising cutting a first sheet of metal to create a card body, cutting a second sheet of metal to create a back panel, applying an adhesive to said back panel and bonding said back panel to said card body

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	E G	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/10/2011** **1734/2011** **January 2016** **18/04/2017** **27983**

(51)	**Int. Cl. [8] B60D 1/62**
(71)	**1. MOHAED FAWZY MOAHMOD AHMED (EGYPT)** **2.** **3.**
(72)	**1. MOHAED FAWZY MOAHMOD AHMED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**WARNING SYSTEM FOR TIMING BELT EFFICIENCY**
	Patent Period Started From 25/09/2011 and Will end in 24/09/2031

(57) Warning system sends warning voice and shuts down the engine and prevent it to be switched on when the timing belt has an abrasion or is cut. This process protects the engines from damage because the timing belt is one of the most dangerous parts of the engines and it is cut suddenly and causes damages at the engines when the driver repeats switching the engine on .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/09/2014** **1436/2014** **December 2016** **19/04/2017** **27984**

(51)	**Int. Cl. [8] H02K 11/00**
(71)	**1. TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPOR ATION (JAPAN)** **2.** **3.**
(72)	**1. MORIYAMA, Keiichi** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2012-063635 - 21-03-2012** **2. (PCT/JP2012/082532) – 14-12-2012** **3.**
(74)	**MAGDA HAROUN**
(12)	**Patent**

(54) MOTOR

Patent Period Started From 14/12/2012 and Will end in 13/12/2032

(57) this motor is equipped with: a stator; a rotor that has multiple permanent magnets; a magnetic detection circuit that detects a rotational position of the rotor by detecting the magnetism of the permanent magnets; and a housing member that has a housing section for housing the magnetic detection circuit and is provided on the stator. the magnetic detection circuit has a circuit board , and a sensor case that has magnetic sensors and is provided on the rotor side of the circuit board close to the permanent magnets. the housing member has a housing member hole part that links the inside and the outside of the housing section by penetrating through a wall part of the hosing section that is located opposite to the rotor. the sensor case has a convex part that protrudes toward the opposite side of the rotor at a position that corresponds to the housing member hole part, and the position of the sensor case with respect to the housing member is determined by inserting the convex part into the housing member hole part

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/10/2012** **1814/2012** **January 2016** **19/04/2017** **27985**

(51)	**Int. Cl. [8] C02F 1/00, 9/00, 3/00**	
(71)	**1. EGYPTIAN PETROLEUM RESEACHER INSTITUTE (EGYPT)** **2.** **3.**	
(72)	**1. Ahmed Mohammed Ahmed Alsabagh** **2. Yasser Mohammed Mahmoud Moustafa** **3. Rania Elsayed Ali Morsi**	**4. Mohammed Omer Mohammed Abdelsalam**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)		
(12)	**Patent**	

(54) PREPARATION OF CHEMICAL COMPOSITES BASED ON MATERIAL NANOTECHNOLOGY TO REMOVE THE MICROBIAL, HEAVY METALS AND HYDROCARBONS POLLUTANTS FROM SEWAGE INDUSTRIAL AND GROUND WATER

Patent Period Started From 23/10/2012 and Will end in 22/10/2032

(57) This invention relies on the preparation of chemical composites based on the materials nanotechnology in the form of mixture nanocomposites act as multi-contaminants removal; microbial, heavy metals and hydrocarbon contaminants from sewage and industrial wastewater and ground water. The idea of the invention depends on extraction of chitosan from remnants and waste materials of marine food industry and its conversion to chitosan nanoparticles. Polymer nanocomposites was then prepared where the polymer was doped with laboratory prepared silver nanoparticles with sizes ranging from 40 to 80 nm and copper nanoparticles sizes from 40 to 90 nm at different percentages ranging from 1 to 5% of each. For further modification and enrichment of the prepared structures, multiwall carbon nanotubes with diameters ranging from 40 to 100 nm were embedded in the polymer. The prepared composites have been tested as antimicrobial agent against 10 million microbe count of Pseudomonas, as an example of microbial organisms known to have serious negative impact on human health. The results were impressive as was the elimination of such number of microbial cells (Zero count). The heavy metals uptake capacity of the prepared composites has also been tested. Lead (Pb), Cadmium (Cd) and Copper (Cu) were used as examples of heavy metals their accumulation causes high risk to human health. Concentrations up to 500 ppm, which represents concentration higher than expected in underground water or industrial wastewater, were studied. After examination of the treatment conditions, full removal of these concentrations was reached. The capacity for the absorption of the pollutant reached up to 500 milligrams of pollutant per gram of material used. Moreover, the prepared composites were tested to remove hydrocarbon contaminants at concentration up to 2000 ppm. The experimental work proved removing contaminant from 2000 to 2 ppm while the accepted limit is 14 ppm.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/11/2011** **1948/2011** **May 2016** **23/04/2017** **27986**

(51)	**Int. Cl. [8] A61C 7/12**
(71)	**1. Ahmed Kandil Hussein Al-Asfar (EGYPT)** **2.** **3.**
(72)	**1. Ahmed Kandil Hussein Al-Asfar** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Utility model**

(54) BALL BEARING BRACKETS

Patent Period Started From17/11/2011 and Will end in 16/11/2018

(57) Ball Bearing Brackets are orthodontic brackets where rotating balls are added to the bracket slot. One ball is added at the mesial side of the bracket and the other ball is added to the distal side. Each ball is placed between the incisal and the gingival wings of the bracket. The presence of rotating balls between the bracket slot and the orthodontic wire during teeth retraction significantly reduces frictional resistance.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/01/2015** **0042/2015** **November 2016** **17/04/2017** **27987**

(51)	**Int. Cl. [8] C01G 35/10, 35/06**
(71)	**1. LUMMUS TECHNOLOGY INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MARRI, Rama, Rao** **2. SONI, Dalip, Singh** **3. KUMAR, Pramod**
(73)	**1.** **2.**
(30)	**1. (US) 13/547.807 - 12-07-2012** **2. (PCT/US2013/049906) – 10-07-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) FLUID CATALYTIC CRACKING PROCESS AND APPARATUS FOR MAXIMIZING LIGHT OLEFINS OR MIDDLE DISTILLATES AND LIGHT OLEF

Patent Period Started From 10/07/2013 and Will end in 09/07/2033

(57) A fluid catalytic cracking apparatus and process is disclosed, providing for efficient conversion of heavy hydrocarbon feeds to light olefins, aromatics, and gasoline. A countercurrent flow reactor operating in bubbling or turbulent fluidization regimes is integrated with a fluid catalytic cracking riser reactor. A heavy hydrocarbon feed is catalytically cracked to naphtha and light olefins in the riser reactor, a co-current flow reactor. To enhance the yields and selectivity to light olefins, cracked hydrocarbon products from the riser reactor, such as C4 and naphtha range hydrocarbons, may be recycled and processed in the countercurrent flow reactor. The integration of the countercurrent flow reactor with a conventional FCC riser reactor and catalyst regeneration system may overcome heat balance issues commonly associated with two-stage cracking processes, may substantially increase the overall conversion and light olefins yield, and/or may increases the capability to process heavier feedstocks.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/09/2010** **1477/2010** **January 2016** **24/04/2017** **27988**

(51)	**Int. Cl. [8] B60B 27/00**
(71)	**1. HASSAN HASSAN ELSAYED MORAH (EGYPT)** **2.** **3.**
(72)	**1. HASSAN HASSAN ELSAYED MORAH** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**MECHANICAL COMPACT SYSTEM OF THE FULL TIRE ON THE NEW RIM**
	Patent Period Started From 01/09/2010 and Will end in 31/10/2030

(57) This Patent reach, to the ability of clinging a prefabricated full tire on a new Rim through a few minutes by mechanical method with pre-calculated hydraulic pressure ; according to the kind of the tire for each vehicle and its condition work ; and it can be exchanged quickly at the same current workshop after adding modifications to their devices And therefore it can be final curtain about the suffering repeated disruption ; this many consequences and the disaster death caused by the tire's explosion comes to the current air pressure tires . And therefore doubling the actual age of the tire with ideal performance !!!

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/02/2013** **0235/2013** **January 2016** **26/04/2017** **27989**

(51)	**Int. Cl. [8] C04B 38/02, 5/00**	
(71)	**1. SHANDONG COKING GROUP CO., LTD. (CHINA)** **2.** **3.**	
(72)	**1. WANG, Qingdao** **2. YU, Xianjin** **3. ZHAO, Xin** **4. GONG, Benkui**	**5. WEI, Zhenxia** **6. Ll. Yueyun** **7. MING, Jun**
(73)	**1.** **2.**	
(30)	**1. (CN) 201010293064.7 - 27-09-2010** **2. (PCT/CN2011/079896) – 20-09-2011** **3.**	
(74)	**Amr Moufed el Deeb**	
(12)	**Patent**	

(54) METHOD FOR MANUFACTURING FOAM MATERIAL BY USING MOLTEN SLAG

Patent Period Started From 20/09/2011 and Will end in 19/09/2031

7) A method for manufacturing a foam material by using a molten slag. The method comprises these steps: feeding the molten slag into a thermal insulated conditioning pool and maintaining the temperature of the molten slag between 1,400?C and 1,500?C; on the basis of the requirements of a product to be manufactured, modifying the color and/or the viscosity by adding a color modifier and/or a viscosity modifier; feeding the molten slag from the conditioning pool to a foaming pool, at the same time, adding a foaming agent into the molten slag, and controlling the molten slag on the pool at a temperature between 1,250?C and 1,400?C, thus allowing foaming and molding; thermally insulating the foamed slag at a temperature between 800?C and 1,000?C in a non-reductive atmosphere for a period of 20 to 30 minutes, and then cooling naturally to room temperature to acquire the foam material. The method provides an energy conserving and high efficiency way of utilizing blast furnace slag, the inorganic non-metallic foam material and products thereof are characterized by color stability, wear resistance, pressure resistance, low thermal conductivity, low shrinkage rate, sound absorption, and high filtration rate.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/07/2012** **1328/2012** **November 2016** **26/04/2017** **27990**

(51)	**Int. Cl. [8] C07C 51265 & 63/26 & B01J 8/22, 10/00**
(71)	**1. GRUPO PETROTEMEX, S.A. DE C.V. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. SHAIKH, Ashfaq** **2. WONDERS, Alan, George** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/299,455 - 29-01-2010** **2. (US) 61/299,453 -29-01-2010** **3. (US) 61/299,450 -29-01-2010** **4. (US) 12/957,733 - 29-01-2010** **5. (PCT/US2010/059644) – 09-12-2010**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**OXIDATION SYSTEM WITH SIDEDRAW SECONDARY REACTOR**
	Patent Period Started From 09/12/2010 and Will end in 08/12/2030

(57) Disclosed are process and apparatus for vertical splitting of the oxygen supply to a post-oxidation reactor. Further disclosed are process and apparatus for supplying reaction medium to a post-oxidation reactor at a mid-level inlet. Such apparatus and process can assist in reducing oxygen pinch throughout the post-oxidation reactor.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/01/2012** **0031/2012** **December 2016** **26/04/2017** **27991**

(51)	**Int. Cl. [8] A47J 27/09**
(71)	**1. ARACARIA B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. LUKAC, Milan** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) MI2009A001209 - 08-07-2009** **2. (PCT/EP2010/058324) – 14-06-2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PRESSURE COOKER WITH ADDITIONAL SAFETY DEVICE AGAINST THE DANGER OF EXPLOSION DUE TO OVERPRESSURE

Patent Period Started From 14/06/2010 and Will end in 13/06/2030

(57) A pressure cooker with additional safety device against the danger of explosion due to overpressure, comprising a vessel which is open upward, a lid which can engage the mouth of the vessel in order to close it, and an annular gasket which is associated with the lid and can engage the inner lateral surface of the vessel in order to provide the steam-tight seal between the vessel and the lid; the gasket has at least one portion that can be deformed due to the pressure that acts on its side directed toward the inside of the vessel in order to pass from a sealing position, in which it is engaged hermetically with the inner lateral surface of the vessel and with the lid, to a venting position, in which it is disengaged from the inner lateral surface of the vessel, in order to allow the outward venting of steam when a preset pressure is exceeded inside the vessel.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/07/2015** **1135/2015** **November 2016** **26/04/2017** **27992**

(51)	**Int. Cl. [8] A61F 13/15, 13/49**	
(71)	**1. UNICHARM CORPORATION (JAPAN)** **2.** **3.**	
(72)	**1. GODA, Hiroki** **2. ISHIKAWA, Shinichi** **3. KAWAMORI, Ryota**	**4. OCHI, Kengo**
(73)	**1.** **2.**	
(30)	**1. (JP) 2013-007732 - 18-01-2013** **2. (PCT/JP2014/050822) - 17-01-2014** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) ABSORBENT ARTICLE

Patent Period Started From 17/01/2014 and Will end in 16/01/2034

(57) The present invention addresses the problem of providing an absorbent article in which a bonding part for bonding a liquid-permeable layer to an absorbent core has been formed in a low-basis-weight region of the absorbent core and which has all of sufficient flexural rigidity of the bonding part, sufficient bonding strength of the bonding part, and sufficient liquid-absorbing properties. This problem is solved with an absorbent core which comprises a first region that has a given absorbent-material basis weight and second regions that have a lower absorbent-material basis weight than the first region, wherein the ratio of the basis weight of a highly absorbing polymer to the basis weight of the absorbent material in the second regions is regulated to 10/100 to 47/100, and compressed parts are formed inside the second regions**.**

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/02/2012** **0244/2012** **December 2016** **30/04/2017** **27993**

(51)	**Int. Cl. [8] B65D 5/74, 5/06**	
(71)	**1. TETRA LAVAL HOLDINGS & FINANCE S.A (SWITZERLAND)** **2.** **3.**	
(72)	**1. BENKO, Gabor** **2. SORBARA, Angelo** **3. CASALE, Cristiano** **4. MARCHETTI, Marco**	**5. HEINONEN, Sebastian** **6. DIDONNA, Domenico** **7. CAVECCHIA, Tiziana** **8. CASARINI, Claudio**
(73)	**1.** **2.**	
(30)	**1. (EP) 09168013.2 - 17-08-2009** **2. (PCT/EP2010/058604) – 18-06-2010** **3.**	
(74)	**MAHMOUD RAGAII EL DEKKI**	
(12)	**Patent**	

(54) SHEET PACKAGING MATERIAL FOR PRODUCING SEALED PACKAGES OF POURABLE FOOD PRODUCTS

Patent Period Started From 18/06/2010 and Will end in 17/06/2030

(57) There is described a sheet packaging material (M) for producing a sealed package of a pourable food product; the packaging material (M) comprises one base layer for imparting stiffness, a number of lamination layers (12) covering both sides of the base layer, and a removable portion which, in use, can be detached partly from the rest of the packaging material (M) along at least one arc-shaped cutting line and folded at a folding zone extending between the opposite ends of the cutting line so as to free a pour opening by which to pour the food product from the package; the removable portion comprises a central area made of whole packaging material and which, in use, in any case, remains attached to the rest of the packaging material (M) through a permanent bridge defined by the folding zone, and a peripheral area for cutting interaction, extending around part of the central area, containing the cutting line and including at least one pre-laminated opening, which is formed by a through slot provided at least in the base layer and covered by one or more of the lamination layers.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/07/2010** **1170/2010** **December 2016** **30/04/2017** **27994**

(51)	**Int. Cl. [8] H04W 36/26**
(71)	**1. NTT DOCOMO, Inc (JAPAN)** **2.** **3.**
(72)	**1. HAPSARI, Wuri Andarmawanti** **2. LWAMURA, Mikio** **3. NAKAMURA, Takehiro**
(73)	**1.** **2.**
(30)	**1. (JP) 2008-005063 - 11-01-2008** **2. (PCT/JP2009/050152) – 08-01-2009** **3.**
(74)	**MAHMOUD RAGAEY ELDEKY**
(12)	**Patent**

(54) MOBILE COMMUNICATION METHOD AND WIRELESS BASE STATION

Patent Period Started From 08/01/2009 and Will end in 07/01/2029

(57) A mobile communication method has a step (A) of calculating estimated peripheral wireless base station parameters which are estimated to be used by a peripheral wireless base station (eNB2), based on load information acquired by a wireless base station (eNB1) from the peripheral wireless base station (eNB2). The method also has a step (B) of informing the peripheral wireless base station (eNB2) of the estimated peripheral wireless base station parameters from the wireless base station (eNB1**).**

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology

GRANTED PATENTS' ABSTRACTS GAZETTE

"PATENTS ISSUED IN MAY 2017 "

Egyptian Patent Office

Issue No 252 **JUNE 2017**

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(PATENT No. 28000) ……. (7)

(PATENT No. 28001) ……. (8)

(PATENT No. 28002) ……. (9)

(PATENT No. 28003) ……. (10)

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(PATENT No. 28013) ……. (20)

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(PATENT No. 28016) ……. (23)

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(PATENT No. 28018) ……. (25)

(PATENT No. 28019) ……. (26)

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(PATENT No. 28021) ……. (28)

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(PATENT No. 28024) ……. (31)

(PATENT No. 28025) ……. (32)

(PATENT No. 28026) ……. (33)

(PATENT No. 22027) ……. (34)

(PATENT No. 28028) ……. (35)

(PATENT No. 28029) ……. (36)

(PATENT No. 28030) ……. (37)

(PATENT No. 28031) ……. (38)

(PATENT No. 28032) ……. (39)

(PATENT No. 28033) ……. (40)

(PATENT No. 28034) ……. (41)

Preface

We are on the verge of a new era which is founded on the basis of technological development and hence, we have to follow it in all fields of national development . Technology has become the basis for the increase in national income and production and hence, scientific research has become our real hope as a way for advancement and as a necessity for life .

Emerging from the responsibility of the Academy of Scientific Research and Technology towards strengthening the pillars of science and technology , I have the pleasure to introduce the Granted Patent's Abstracts of the Publication of Patents monthly, Which includes bibliographical data . This periodical is directed to all those interested in the vital field of Intellectual property which encompasses patents, innovations and creative works .

I hope that this publication meets its targeted objective , namely increasing the welfare , prosperity and advancement for our beloved country, Egypt .

Acting President of Patent Office

Mr. Adel El- Saeid Oweide

Bibliographic data

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Patent Number	11
Patent Kind	12
Application Number	21
Filing Date	22
Priority Number Priority Date Priority Country	30
Issuance Date	45
International Patent Classification	51
Title	54
Abstract	57
Applicant Name	71
Inventor Name	72
Patentee Name	73
Patent Attorney Name	74

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MG	Madagascar

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TJ	Tajikistan
TH	Thailand
TM	Turkmenistan
TN	Tunisia
TR	Turkey
TT	Trindad and Topago
TW	Taiwan
TZ	United Republic of Tanzania
UA	Ukraine
UG	Uganda
US	United States of America
UY	Uruguay
UZ	Uzbekistan
VC	Saint Vincent and the Grenadines

Code	Country
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VN	Viet Nam
YD	Yemen
YU	Yugoslavia
ZA	South Africa
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
MAY (2017)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/05/2013** **0891/2013** **December 2016** **02/05/2017** **27995**

(51)	**Int. Cl. [8] C10C 21/16, 21/27, 21/28**	
(71)	**1. THE QUEEN'S UNIVERSITY OF BELFAST (UNITED KINGDOM)** **2.** **3.**	
(72)	**1. HARDACRE, Christopher** **2. GOODRICH, Peter** **3. HUSSAIN, Azlan**	**4. ROONEY, David**
(73)	**1.** **2.**	
(30)	**1. (GB) 1020029.3 - 25-11-2010** **2. (PCT/GB2011/052304) – 23-11-2011** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) PROCESS FOR REMOVING NAPHTHENIC ACIDS FROM CRUDE OIL AND CRUDE OIL DISTILLATES

Patent Period Started From 23/11/2011 and Will end in 22/11/2031

(57) The present invention relates to a process for the removal of naphthenic acids from crude oils and crude oil distillates by use of supported basic ionic liquids.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/11/2013** **1800/2013** **October 2016** **02/05/2017** **27996**

(51)	**Int. Cl. [8] F03G 6/06 & F01K 3/12, 7/02 & F22B 1/00**
(71)	**1. GENERAL ELECTRIC TECHNOLOGY GMBH (SWITZERLAND)** **2.** **3.**
(72)	**1. AGA, Vipluv** **2. QUENAUT, Johann** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 11168979.0 - 07-06-2011** **2. (PCT/EP2012/060617) – 05-06-2012** **3.**
(74)	**AMR MOUFED ELDEEB**
(12)	**Patent**

(54)	**SOLAR THERMAL POWER PLANT**
	Patent Period Started From 05/06/2012 and Will end in 04/06/2032

(57) A solar thermal power plant comprises a solar radiation receiver mounted on a tower surrounded by a heliostat field to receive solar radiation reflected by heliostats forming the heliostat field. The power plant comprises a power generation circuit including a steam turbine for driving an electrical generator to produce electrical power, and water circulating through the solar radiation receiver is capable of being heated directly by solar radiation reflected onto the solar radiation receiver by the heliostat field to generate superheated steam to drive the steam turbine. The power plant also comprises an energy storage circuit including a thermal energy storage fluid, such as molten salt, and a heat exchanger for receiving a proportion of superheated steam diverted from the power generation circuit and for transferring heat from the diverted superheated steam to the thermal energy storage fluid. To enhance the plant' s operational efficiency, the heat exchanger cools the diverted superheated steam to a temperature above its saturation temperature so that the steam exiting the heat exchanger is in its superheated state

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	E G	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/08/2014** **1285/2014** **December 2016** **03/05/2017** **27997**

(51)	**Int. Cl. [8] C07D 231/14**
(71)	**1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND)** **2.** **3.**
(72)	**1. SMEJKAL, Tomas** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 12155526.2 - 15-02-2012** **2. (EP) 12177606.6 - 24-06-2012** **3. (EP) 12173642.5 - 26-07-2012** **4. (EP) 12182799.2 - 03-09-2012** **5. (PCT/EP2013/052803) – 13-02-2013**
(74)	**NAHED WADIH RIZK**
(12)	**Patent**

(54) PROCESS FOR THE STEREOSELECTIVE PREPARTION OF PYRZOLE CARBOXAMIDE

Patent Period Started From 13/02/2013 and Will end in 12/02/2033

(57) The present invention relates to a process for the enantioselective preparation of 3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid ((1S,4R)-9-dichloromethylene-1,2,3,4-tetrahydro-1,4-methano-naphthalen-5-yl)-amide of formula Ib.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/12/2014** **2109/2014** **October 2016** **03/05/2017** **27998**

(51)	**Int. Cl. [8] G10G 9/36**
(71)	**1. LINDE AKTIENGESELLSCHAFT (GERMANY)** **2.** **3.**
(72)	**1. SCHMIDT, Gunther** **2. FRITZ, Helmut** **3. WALTER, Stefanie**
(73)	**1.** **2.**
(30)	**1. (DE) 1200578.3 - 09-08-2012** **2. (PCT/EP2013/092347) – 06-08-2013** **3.**
(74)	**NAHED WADIH RIZK**
(12)	**Patent**

(54) METHOD FOR PRODUCING OLEFINS BY MEANS OF THERMAL STEAM CRACKING IN CRACKING FURNACES

Patent Period Started From 06/08/2013 and Will end in 05/08/2033

(57) The invention relates to a method for converting hydrocarbon feedstocks by means of thermal steam cracking to form at least one olefinic product flow which contains at least ethylene and propylene, wherein a first hydrocarbon feedstock is at least partially converted in at least a first cracking furnace and a second hydrocarbon feedstock is at least partially converted in at least a second cracking furnace. According to the invention, the second hydrocarbon feedstock is converted in the second cracking furnace under cracking conditions which lead to a propylene to ethylene ratio of 0.7 to 1.6 kg/kg, and the first hydrocarbon feedstock is converted in the first cracking furnace under cracking conditions which lead to a propylene to ethylene ratio of 0.25 to 0.85 kg/kg at the cracking furnace outlet, the value for the propylene to ethylene ratio for the second hydrocarbon feedstock being above the value for the propylene to ethylene ratio for the first hydrocarbon feedstock.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/12/2012** **2136/2012** **January 2017** **03/05/2017** **27999**

(51)	**Int. Cl. [8] A01M 1/02**
(71)	**1. Ahmed Hasen Ali Mesbah (EGYPT)** **2.** **3.**
(72)	**1. Ahmed Hasen Ali Mesbah** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**CONTROLLING APPARATUS OF MOTHS AND NIGHT IN SECTS FLYING**
	Patent Period Started From 26/12/2012 and Will end in 25/12/2032

(57) this invention releated to moths guillotine rotary trap . the apparatus consists of alongitudinal cylinder moves rotetively around an electric lamp . the cylinder is empty from inside and its four sides are plucked exception four slices . every slice is supplied with a feather extending out and covered with wiry net to help in smashing the moths and allow passing air . the cylinder is fixed on a secondary holder possible to move up and down on a fundamental holder according to the plant height . an electric motor is fixed on , holder to move the cylinder . there are two butances , one for installing the cylinder and other installing the lamp . both the lamp and the motor are installed by an electric generator or any other source of electricity . the main idea of this apparatus is based on existence of the eclectic lamp to attract the moths and kille by the rotary cylinder .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/01/2011** **0105/2011** **December 2016** **04/05/2017** **28000**

(51)	**Int. Cl. [8] A61C 7/10**
(71)	**1. Fady Hussein ElSayed Fahim (EGYPT)** **2.** **3.**
(72)	**1. Fady Hussein ElSayed Fahim** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**F- DISTRACTOR**
	Patent Period Started From 17/01/2011 and Will end in 06/01/2031

(57) F- Distractor is used to close or approximate wide alveolar clefts in cases with cleft lip and palate instead of alveolar bone grafting. It consists of expander that was modified and soldered to cross tubes than carried on arch wire and not orthodontic bands. It is opened 0.20 mm per day. The range of the distractor could be extended by closing it again and adding rounded tubes to the arch wire. Then, the distractor is carried again on the arch wire and opened again. After treatment, it is easily removed.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/01/2012** **0174/2012** **November 2016** **07/05/2017** **28001**

(51)	**Int. Cl. [8] C21B 13/02**
(71)	**1. HYL TECHNOLOGIES, S.A. DE C.V. (MEXICO)** **2. DANIELI & C. OFFICINE MECCANICHE, S.p.A (ITALY)** **3.**
(72)	**1. DUARTE-ESCARENO, Pablo Enrique** **2. ZENDEJAS-MATINEZ, Eugenio** **3. TAVANO, Andrea** **4. MARTINIS, Alessandro** **5. GASPERA, Omar, Della**
(73)	**1.** **2.**
(30)	**1. (US) 61/230,675 - 31-07-2009** **2. (PCT/EP2010/001813) – 21-07-2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD FOR PRODUCING DIRECT REDUCED IRON WITH LIMITED CO2 EMISSIONS

Patent Period Started From 21/07/2010 and Will end in 20/07/2030

(57) A method and apparatus for producing direct reduced iron (DRI), also known as sponge iron, by means of direct contact of iron oxides with a stream of recycled and regenerated hot reducing gases containing hydrogen and carbon monoxide. The invention provides a way for decreasing the uncontained emission of CO2 to the atmosphere produced by combustion of carbon-bearing fuels in the reducing gas heater by substituting, at least partially, a gas stream mainly composed of hydrogen in lieu of the usual carbon-bearing fuels. The hydrogen fuel stream, depleted of CO2 by means of a physical gas separation unit (which can be a PSA/VPSA type adsorption unit, a gas separation membrane unit or combination of PSA/VPSA unit and a gas separation membrane unit) is derived from at least a portion of a stream of regenerated reducing gases being recycled to the reduction reactor. The derived hydrogen fuel stream is combusted in the reducing gas heater and/or other thermal equipment in the reduction plant, thus decreasing the CO2 emissions directly to the atmosphere.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/04/2013** **0727/2013** **January 2017** **08/05/2017** **28002**

(51)	**Int. Cl. [8] C09K 5/04**	
(71)	**1. EVONIK DEGUSSA GMBH (GERMANY)** **2.** **3.**	
(72)	**1. SEILER, Matthias** **2. SCHNEIDER, Marc-Christoph** **3. ZEHNACKER, Olivier**	**4. SCHNEIDER, Rolf**
(73)	**1.** **2.**	
(30)	**1. (DE) 10190356.5 - 08-11-2010** **2. (PCT/EP2011/069402) – 04-11-2011** **3.**	
(74)	**SOHAIR ,SAMIA,SALWA MIKHAEEL REZK**	
(12)	**Patent**	

(54) WORKING MEDIUM FOR ABSORPTION HEAT PUMPS

Patent Period Started From 04/11/2011 and Will end in 03/11/2031

(57) The invention relates to a working medium, comprising at least one refrigerant, at least one monohydric aliphatic alcohol having 6 to 10 carbon atoms, and at least one ionic liquid made of at least one organic cation and at least one anion, wherein said working medium exhibits improved efficiency COP in an absorption heat pump as compared to working media containing no alcohol having 6 to 10 carbon atoms.

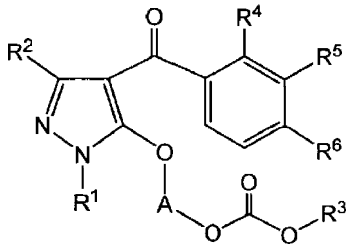
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/06/2011** **0934/2011** **January 2017** **08/05/2017** **28003**

(51)	**Int. Cl. [8] A01N 47/06, 37/40, 47/30, 47/36, 37/20, 37/26, 57/20, 43/88, 43/70, 43/653, 43/82, 43/90, 33/18, 41/10, 39/04**
(71)	**1. ISHIHARA SANGYO KAISHA, LTD. (JAPAN)** **2.** **3.**
(72)	**1. KIKUGAWA, Hiroshi** **2. NAGAYAMA, Souichiro** **3. SANO, Makiko**
(73)	**1.** **2.**
(30)	**1. (JP) 316203-2008 - 11-12-2008** **2. (PCT/JP2009/071004) – 10-12-2009** **3.**
(74)	**SOHEER MICHEAL REZK**
(12)	**Patent**

(54) HERBICIDAL COMPOSITIONS CONTAINING BENZOYLPYRAZOLE COMPOUNDS

Patent Period Started From 10/12/2009 and Will end in 09/12/2029

(57) Many herbicidal compositions have been developed and used, but there are many types of weeds to be controlled, and their development lasts for a long period of time. Accordingly, it has been desired to develop a herbicidal composition having a wider herbicidal spectrum and having a highly active and long-lasting herbicidal activity. The present invention provides a herbicidal composition which comprises as active ingredients (a) a herbicidal benzoylpyrazole compound represented by the formula (I) or its salt: wherein R1 is alkyl or cycloalkyl, R2 is a hydrogen atom or alkyl, R3 is alkyl, R4 is alkyl, haloalkyl or the like, R5 is a hydrogen atom, alkyl or the like, R6 is haloalkyl, halogen or the like, and A is alkylene substituted by alkyl, and (b) other herbicidal compound.



(I)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/08/2008** **1407/2008** **January 2017** **08/05/2017** **28004**

(51)	**Int. Cl. [8] C02F 1/60, 1/46**	
(71)	**1. National research center (EGYPT)** **2.** **3.**	
(72)	**1. Prof Dr Azaa Hafez** **2. Prof Dr Halaa Ahmed Talaat** **3. Prof Dr Mohamed HASSAN Sorour** **4. Prof Dr abdel Gani M. Abo El Nour**	**5. Prof Dr Maaly Kjedr** **6. Prof Dr Ssfaa Abdel Raouf ahmed** **7. Prof Dr Ahmed Mohamed Awad AbouELATTA** **8. Prof Dr hanaaa Gamal El Din**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)	**MAGDA MHASSEB ELSAYED - AMAL YOSEF AHMED - MONA MOHAMED FAREED**	
(12)	**Patent**	

(54)	**COMPACT ELECTROCHEMICAL WATER TREATMENT**
	Patent Period Started From 02/08/2008 and Will end in 01/08/2028

(57) This invention is pertaining to a hybrid system for wastewater treatment and disinfection comprising three steps . It includes electrocoagulation step for removal of heavy metals , electrochemical oxidation step for incineration of organie materials and electrodisinfection step for disposal of microorganisms . The proposed area for the implementation of the compact unit is sinai government , industrial sectors and remotes area . The ultimate goal of the system is the development of an economic innovated small scale 25 cubic meters per hour treatment unit for marginal quality water in generaland el salam canal water in paeticular Depending on solar technology as a source of clean and renewable energy.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** 02/08/2011 **(21)** 1329/2011 **(44)** December 2016 **(45)** 08/05/2017 **(11)** 28005

(51)	**Int. Cl. [8] C02F 1/48**
(71)	**1. National research center (EGYPT)** **2.** **3.**
(72)	**1. Emad Azmy Girgis** **2. Christen Tharwat Aziz** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MAGDA MAHSP - AMAL YUSUF - MUNA MOHAMED FARID**
(12)	**Patent**

(54) WASTE WATER TREATMENT PROTOTYPE BASED ON NANOTECHNOLOGY

Patent Period Started From 02/08/2011 and Will end in 01/08/2031

(57) This work focuses on removal the heavy metals and the dyes from the waste water using nanostructure alloys. The nanoalloys were added to the waste water in the prototype unit, the prototype unit was designed to distribute all the nanoparticles in the whole unit. The nanoalloys will start to adsorb all the heavy metals or the dyes from the waste water, this process will take around 50 minutes. The prototype unit was designed to collect all the nanoparticles within 10 minutes. The prototype can be designed for any capacity starting from 50 liter/hour till 5000 liter/hour. After collecting the nanoparticles which have the heavy metals or the dyes on its surface the nanoparticles were taken to healthy burial.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/07/2009** **1135/2009** **November 2016** **08/05/2017** **28007**

(51)	**Int. Cl. [8] G01N 30/12**
(71)	**1. National Research Center (EGYPT)** **2.** **3.**
(72)	**1. Prof .GALAL ABD ELMOUEEN MAHMOUD NAWAR** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**SOLAR STILL**
	Patent Period Started From 27/07/2009 and Will end in 26/07/2029

(57) The inovation relate to conventional solar still utilizing west. The basin has been designed and implemented to give water having quantitative, qualitative and cost comparable to the known similar distillation basins with the same exposed surface area to the sun. The other capabilities of the cell and the environmental gain render it costless .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/03/2014** **0430/2014** **January 2017** **08/05/2017** **28008**

(51)	**Int. Cl. [8] A23B 7/00 & A01H 5/00**
(71)	**1. GEHAN ABD EL MALEK EL HADIDY (EGYPT)** **2.** **3.**
(72)	**1. GEHAN ABD EL MALEK EL HADIDY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) THE CONTROL SYSTEM AND ADAPTATION WITH MICROCLIMATIC CONDITIONS TO IMPROVE PHYSICAL AND CHEMICAL PROPERTIES ON FRUIT OF FLAME SEEDLESS GRAPE AND ITS STORABILITY TO EXPORT

Patent Period Started From 18/03/2014 and Will end in 17/03/2034

(57) The new invention is related to the use of micro climatic condition. This study was carried out during 2005 and 2006 seasons on Flame Seedless grape to study the effect of microclimatic condition on fruit quality and storability therefore, The micro climate data recorded two weeks pre harvest and at harvest time, the mean of these data were recorded: Air temperature, Crop temperature, Relative humidity, and Sun light intensity. Level bunches from each level were picked and packed in perforated poly ethylene bags, and then packed in carton boxes and stored at 0oC & 5oC. Physical and Chemical properties were studied weekly during storage period. (fruit weight loss percentage, shatter percentage, decay percentage, total losses percentage, berry color , texture (gm/cm2), total soluble solid %, total acidity%, total soluble solid / total acidity ratio, total sugars content (gm/100 g dwt) and anthocyanin content (gm/ 100 g. fwt). From the obtained results it could be concluded that microclimate had effect on fruit quality, at harvest time cluster weight, dimensions, berry weight and size, berry firmness, total soluble solids, sugar and anthocyanin were increased in higher clusters in comparison with lower clusters. During cold storage fruit weight loss, shattering, decay and total losses were less in higher clusters than lower clusters. Generally higher clusters were the best.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/10/2014** **1658/2014** **January 2017** **10/05/2017** **28009**

(51)	**Int. Cl. [8] H02J 3/38**
(71)	**1. ENI S.P.A (ITALY)** **2.** **3.**
(72)	**1. FERRARI, Marco** **2. FIORE, Nicola** **3. BROCCO, Valerio**
(73)	**1.** **2.**
(30)	**1. (IT) MI2012A000911 - 25-05-2012** **2. (PCT/EP2013/060715) – 24-05-2013** **3.**
(74)	**NAHED WADIH RIZK**
(12)	**Patent**

(54) HYBRID ELECTRIC GENERATION PLANT FED BY SOURCES OF A FOSSIL/SOLAR ORIGIN

Patent Period Started From 24/05/2013 and Will end in 23/05/2033

(57) The present invention relates to an electric generation plant of the type without connection to an distributed electric supply network for generating an alternating electric current destined for a plurality of utilities comprising: a first generator fed with fuel of a fossil origin for generating a first alternating electric current in continuous service, i.e. 24 hours a day; a second photovoltaic generator for generating a second direct electric current by conversion of solar radiation comprising a plurality of inverters of the distributed type for inverting and regulating said current; an electric feeding panel of the power motor control center type fed by said first and second current; an energy management system for regulating said first generator in relation to the electric current generated by said second generator and load requirements of possible electric utilities; a resistor for preventing the inlet of electric currents in the first generator potentially dangerous for the same. A further object of the present invention relates to an isolated electric system comprising an electric generation plant as described above for feeding a plurality of electric utilities.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	E G	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/06/2010** **0990/2010** **January 2017** **10/05/2017** **28010**

(51)	**Int. Cl. [8] H04L 7/04**
(71)	**1. TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) (SWEDEN)** **2.** **3.**
(72)	**1. BALDEMAIR, Robert** **2. ASTELY David** **3. ABRAHAMSSON, Richard**
(73)	**1.** **2.**
(30)	**1. (US) 61/013,788 - 14-12-2007** **2. (PCT/SE2008/050826) – 02-07-2008** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) METHODS AND DEVICES FOR COMMUNICATING OVER A RADIO CHANNEL

Patent Period Started From 02/07/2008 and Will end in 01/07/2028

(57) The invention relates to methods and communication devices for transmitting data on a radio channel comprising the steps of determining a first preamble format to be used in a cell of the second communication device determining a basic cyclic shift value from a set of basic cyclic shift values the set is selected based on the preamble format and transmitting data comprising indication of the determined first preamble format and a basic cyclic shift value pointer indicating the basic cyclic shift value in the set of basic cyclic shift values.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/06/2013** **1067/2013** **January 2017** **10/05/2017** **28011**

(51)	**Int. Cl. [8] C02F 1/52, 9/00, 1/56, 103/00, 1/00 & D06F 39/00**	
(71)	**1. UNILEVER PLC (UNITED KINGDOM)** **2.** **3.**	
(72)	**1. BISWAS, Sarmistha** **2. CHATTERJEE, Debosree** **3. GARG, Rajiv Kumar**	**4. SHRESTH, Rudra Saurabh** **5. THIRUMENI, Dhanalakshmi**
(73)	**1.** **2.**	
(30)	**1. (IN) 3521/MUM/2010 - 24-12-2010** **2. (EP) 11155305.3 - 22-02-2011** **3. (PCT/EP2011/072679) – 14-12-2011**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) A PROCESS FOR CONTINUOUS PURIFICATION AND A WASHING MACHINE

Patent Period Started From 14/12/2011 and Will end in 13/12/2031

(57) The present invention is in the field of laundry processes and devices. In particular the invention relates to the saving of water. It is an object of the present invention to reduce the water consumption in conventional washing methods, especially machine washing methods. It is found that the continuous pH controlled sequential dosing of an electrolyte, followed by dosing of a polymer and a solid liquid separation step during a full wash cycle of a washing machine, provides continuous clarification of the wash liquor and enables the continuous reuse of the water during said wash cycle.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/03/2013** **0397/2013** **January 2017** **10/05/2017** **28012**

(51)	**Int. Cl. [8] H0W 36/06, 64/00**
(71)	**1. TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) (SWEDEN)** **2.** **3.**
(72)	**1. KAZMI, Muhammad** **2. SIOMINA, Iana** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/388,845 - 01-10-2010** **2. (US) 12/897,915 - 05-10-2010** **3. (PCT/SE2011/051063) – 05-09-2011**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) POSITIONING MEASUREMENTS AND CARRIER SWITCHING IN MULTI-CARRIER WIRELESS COMMUNICATION NETWORKS

Patent Period Started From 05/09/2011 and Will end in 04/09/2031

(57) The invention relates to multi-carrier wireless communication network, positioning-aware switching of a primary carrier from a first carrier to a second carrier for a UE (12) is constrained to enable one or more positioning measurements to be performed. Either the selection of the second carrier, the timing of switching from the first to the second carrier, or both, are constrained to enable and enhance the positioning performance. The constraints may be operative at a serving node of the network, at a UE (12), or both. Further constraints may be applied to the network to enhance positioning performance. Carrier switching may be across Radio Access Technology, RAT, and the positioning constraints may include configuring or re-configuring a device to perform positioning measurements in measurement gaps (e.g., on a secondary carrier in LTE systems when Positioning Reference Signals are not transmitted on the primary carrier).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	E G ج.م.ع	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/05/2014** **0714/2014** **November 2016** **14/05/2017** **28013**

(51)	**Int. Cl. [8] A01N 25/28, 33/18, 43/80,55/00**
(71)	**1. SHAH, Deepak (INDIA)** **2.** **3.**
(72)	**1. SHAH, Deepak** **2. RAMDAS , PUTHENVEETIL kUNJUKRISHNA** **3.**
(73)	**1.** **2.**
(30)	**1. (IN) 3081/MUM/2011 - 02-11-2011** **2. (PCT/IN2012/000721) – 02-11-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**VARIABLE RELEASE WATER DISPERSIBLE GRANULE COMPOSITION**
	Patent Period Started From 02/11/2012 and Will end in 01/11/2032

(57) A water dispersible granule composition comprising microcapsules comprising at least one agrochemical active ingredient encapsulated within a urea formaldehyde polymeric shell wall, at least one inert filler and at least one agrochemical excipients**.**

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/02/2013** **0180/2013** **November 2017** **14/05/2017** **28014**

(51)	**Int. Cl. [8] H04J 99/00 & H04B 7/04**
(71)	**1. PANASONIC CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. MURAKAMI, Yutaka** **2. KIMURA, Tomohiro** **3. OUCHI, Mikihiro**
(73)	**1.** **2.**
(30)	**1. (JP) 2010-276448 - 10-12-2010** **2. (JP) 2011-026422 - 09-02-2011** **3 (JP) 2011-033770 - 18-02-2011** **4. (JP) 2011-051841 - 09-03-2011** **5.. (PCT/JP 2011/006665) - 29/11/2011**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**SIGNAL GENERATION METHOD AND SIGNAL GENERATION DEVICE**
	Patent Period Started From 29/11/2011 and Will end in28/11/2031

(57) A transmission method for simultaneously transmitting a first modulating signal and a second modulating signal at the same frequency, whereby data reception quality is improved in a receiving device by performing precoding using a fixed precoding matrix for both signals, and by regularly switching the phase of the first modulating signal and/or the second modulating signal and transmitting the signals**.**

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/02/2015** **0198/2015** **January 2017** **16/05/2017** **28015**

(51)	**Int. Cl. [8] F16L 58/08, 58/10, 9/147**
(71)	**1. SAINT-GOBAIN PAM (FRANCE)** **2.** **3.**
(72)	**1. ALEXANDRE, Pascal** **2. NOUAIL, Gérard** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 1257638 - 06-08-2012** **2. (PCT/EP2013/066220) – 01-08-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PIPE MEMBER MADE FROM IRON FOR A BURIED PIPELINE, COMPRISING AN OUTER COATING

Patent Period Started From 01/08/2013 and Will end in 31/07/2033

(57) A pipe member made from iron, in particular cast iron, for a buried pipeline, comprising an outer coating comprising:

- a first layer comprising at least a porous zinc/aluminium alloy layer containing 5 to 60% aluminium in terms of mass;
- a second layer of adhesive positioned on the first layer; and
- a third layer positioned on the second layer and comprising a synthetic organic material. A method for producing such a pipe member.

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Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/03/2013** **0356/2015** **January 2017** **16/05/2017** **28016**

(51)	**Int. Cl. [8] B24C 1/06, 11/00 & C09G 1/00**
(71)	**1. VULKAN INOX GMBH (GERMANY)** **2.** **3.**
(72)	**1. BRODALLA, Dieter** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/EP2012/067666) – 10/09/2012** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD AND BLASTING MEANS FOR PRODUCING A SATINIZED FINISH ON AN ALUMINIUM SUBSTRATE

Patent Period Started From 10/09/2012 and Will end in 09/09/2032

(57) The present invention relates to a method and blasting means for producing a satinized finish on an aluminium substrate. A method is specified for the production of a satinized finish on an aluminium substrate comprising the steps: -provision of an aluminium substrate; -blasting with a blasting means of the surface regions to be satinized on the aluminium substrate provided; wherein a mixture of angular and spherical particles with a grain diameter $D_{90} \geq 0.3$mm is used as blasting means.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/11/2010** **1983/2010** **January 2017** **16/05/2017** **28017**

(51)	**Int. Cl. [8] C01C 1/00**
(71)	**1. KELLOGG BROWN & ROOT LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BLANCHARD, Kenneth, L** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/128.730 - 29-05-2008** **2. (PCT/US2009/002828) – 07-05-2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) COLD WALL HORIZONTAL AMMONIA CONVERTER

Patent Period Started From 07/05/2009 and Will end in 06/05/2029

(57) Systems and methods for producing ammonia. Nitrogen and hydrogen can be supplied to a reaction zone disposed inside an inner shell. The inner shell can be disposed inside an outer shell such that a space is formed therebetween. The reaction zone can include at least one catalyst bed in indirect heat exchange with the space. The nitrogen and hydrogen can be reacted in the reaction zone in the presence of at least one catalyst to form an effluent comprising ammonia. The effluent can be recovered from the inner shell and cooled to provide a cooled effluent stream. A cooling fluid can be provided to the outer shell such that the cooling fluid flows through at least a portion of the space and is in fluid communication with the exterior of the inner shell. At least a portion of the cooled effluent can provide at least a portion of the cooling fluid. The cooling fluid can then be recovered from the outer shell as an ammonia product

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/04/2011** **0508/2011** **January 2017** **16/05/2017** **28018**

(51)	**Int. Cl. [8] C01B 3/08, 3/48**
(71)	**1. CASALE S.A. (SWITZERLAND)** **2.** **3.**
(72)	**1. FILIPPI, Ermanno** **2. BADANO, Marco** **3. SKINNER, Geoffrey Frederick**
(73)	**1.** **2.**
(30)	**1. (EP) 08017372.7 - 02-10-2008** **2. (PCT/EP 2009/060970) – 21-08-2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESS FOR PRODUCING AMMONIA SYNTHESIS GAS

Patent Period Started From 21/08/2009 and Will end in 20/08/2029

(57) A process for producing ammonia synthesis gas, where a natural gas feedstock is reformed in a primary steam reformer and in a secondary reformer at a pressure of at least 35 bar; the product syngas at the output of the secondary reformer is cooled and subject to catalytic medium-temperature shift, converting the CO into CO2 and H2; downstream said medium-temperature shift, the carbon dioxide is removed from the syngas by physical absorption.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/08/2010** **1332/2010** **January 2017** **16/05/2017** **28019**

(51)	**Int. Cl. [8] B01J 8/02 & F28D 9/00**
(71)	**1. CASALE S.A. (SWITZERLAND)** **2.** **3.**
(72)	**1. RIZZI, Enrico** **2. FILIPPI, Ermanno** **3. TAROZZO, Mirco**
(73)	**1.** **2.**
(30)	**1. (EP) 08002925.9 - 18-02-2008** **2. (PCT/EP2009/001046) – 13-02-2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) ISOTHERMAL CHEMICAL REACTOR WITH PLATE HEAT EXCHANGER

Patent Period Started From 13/02/2009 and Will end in 12/02/2029

(57) A chemical isothermal reactor with internal plate heat exchanger having heat-exchange radial plates, and radial ducts parallel to sides of the plates for distributing and collecting a heat exchange fluid, said radial ducts having a portion with a smaller cross section near the inner converging ends.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** 21/09/2014 **(21)** 1459/2014 **(44)** October 2016 **(45)** 17/05/2017 **(11)** 28020

(51)	**Int. Cl. [8] F16L (9/128, 1/12, 9/19), & B29C (47/06, 70/08, 70/52) & B29D 23/00 & B32B 1/08**
(71)	**1. PURAPIPE HOLDING LTD. (CYPRUS)** **2.** **3.**
(72)	**1. OPHAUG, Arvid** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (NO) 20120302 - 14-03-2012** **2. (PCT/NO2013/050051) – 14-03-2013** **3.**
(74)	**Ragaii EL Dekki & Partners**
(12)	**Patent**

(54) MULTILAYER PIPELINE IN A POLYMER MATERIAL, DEVICE FOR MANUFACTURE OF THE MULTILAYER PIPELINE AND A METHOD FOR MANUFACTURING THE MULTILAYER PIPELINE

Patent Period Started From 14/03/2013 and Will end in 13/03/2033

(57) A multilayer pipeline which includes at least: - an inner fluid-tight ply which consists of a first thermoplastic polymer material; - an inner fibre-reinforced thermoplastic polymer ply which includes a wrapped fibre-reinforcement and which surrounds the inner fluid-tight ply; - a first intermediate ply which consists of a second thermoplastic polymer material; - an outer fibre- reinforced thermoplastic polymer ply which includes a wrapped fibre reinforcement, wherein at least one of the inner fibre-reinforced thermoplastic polymer ply and the outer fibre-reinforced thermoplastic polymer ply includes at least one fibre-containing layer (14a-b, 14c-d; 12a-b, 12c-d) and one reinforcement-free layer (14c, 14f; 12c, 12f). A machine assembly for producing the multilayer pipeline and a method of producing the multilayer pipeline are described as well.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/03/2014** **0480/2014** **January 2017** **17/05/2017** **28021**

(51)	**Int. Cl. [8] F03D 1/02, 7/02**
(71)	**1. ENEL GREEN POWER S.P.A (ITALY)** **2.** **3.**
(72)	**1. LUIGI, La Pegna** **2. RENZO, Piano** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) RM2011A000516 - 30-09-2011** **2. (US) 61/548,067 - 17-10-2011** **3. (PCT/EP2012/069184) – 28-09-2012**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) HORIZONTAL AXIS WIND TURBINE AND SECONDARY WIND ROTOR

Patent Period Started From 28/09/2012 and Will end in 27/09/2032

(57) wind turbine is disclosed, for converting wind energy into electric energy, comprising:

-a shuttle comprising a head portion and a tail portion;

- a primary wind rotor pivotable with respect to the shuttle around a primary rotational axis and comprising a primary group of blades, a fastening hub for said blades projecting from the head portion of the shuttle and a shaft adapted for being rotatably moved by the primary wind rotor;

- at least one primary electric generator comprising at least one primary electric stator integral with the shuttle and a primary electric rotor integral with said shaft or operatively connected to it, the primary electric generator adapted to convert wind energy intercepted by said primary group of blades into electric energy.

-The wind turbine also comprises a secondary wind rotor pivotably hinged to the tail portion and comprising a secondary group of blades pivotable around a secondary rotation axis perpendicular to the primary rotational axis.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/02/2015** **0300/2015** **January 2017** **17/05/2017** **28022**

(51)	**Int. Cl. [8] G01N 21/17**	
(71)	**1. HALLIBURTON ENERGY SERVICES, INC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. TUNHEIM, Ola** **2. FREESE, Robert, P** **3. MACLENNAN, James, Robert**	**4. ABNEY, Laurence, James** **5. IDLAND, Thomas**
(73)	**1.** **2.**	
(30)	**1. (US) 13/616,106 - 14-09-2012** **2. (PCT/US2013/058864) – 10-09-2013** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) SYSTEMS AND METHODS FOR MONITORING A FLOW PATH

Patent Period Started From 10/09/2013 and Will end in 09/09/2033

(57) Disclosed are systems and methods for analyzing a flow of a fluid at two or more discrete locations to determine the concentration of a substance therein. One method of determining a characteristic of a fluid may include containing a fluid within a flow path that provides at least a first monitoring location and a second monitoring location, generating a first output signal corresponding to the characteristic of the fluid at the first monitoring location with a first optical computing device, generating a second output signal corresponding to the characteristic of the fluid at the second monitoring location with a second optical computing device, receiving first and second output signals from the first and second optical computing devices, respectively, with a signal processor, and determining a difference between the first and second output signals with the signal processor.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/03/2015** **0348/2015** **January 2017** **17/05/2017** **28023**

(51)	**Int. Cl. [8] E21B 10/60, E21B 17/12, E21B 43/114**
(71)	**1. HALLIBURTON ENERGY SERVICES INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JONES, Desmond** **2. SURJAATMADJA, Jim Basuki** **3. HOLDEN, Dustin**
(73)	**1.** **2.**
(30)	**1. (US) 13/608,637 - 10-09-2012** **2. (PCT/US2013/057827) – 03-09-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD AND APPARATUS FOR SECURING AND USING HYDRAJETTING TOOLS

Patent Period Started From 30/09/2013 and Will end in 29/09/2033

(57) A method and apparatus for securing and using hydrajetting tools within a borehole is described. The apparatus includes a housing that defines an inner bore. A flow limiting member may be disposed within the inner bore. The flow limiting member may include a first a first jet in fluid communication with the top of the housing, a first chamber positioned below and in fluid communication with the first jet, and a first cavity aligned with the first jet and in fluid communication with the chamber. A groove may be disposed on an outer surface of the housing, with an anchor assembly that is disposed around the housing and axially slidable and securable within the groove.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	E G	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/05/2013** **0879/2013** **January 2017** **17/05/2017** **28024**

(51)	**Int. Cl. [8] C21N 9/64**
(71)	**1. ALLERGAN, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. FOTHERINGHAM, Ian** **2. SHEFFIELD, Peter J.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/416,622 - 23-11-2010** **2. (PCT/US2011061334) – 18-11-2011** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHODS OF PRODUCING ENTEROKINASE IN YEAST

Patent Period Started From 18/11/2011 and Will end in 17/11/2031

(57) The present specification disclose polynucleotide molecules encoding an enterokinase, yeast expression constructs including a yeast expression vector and a polynucleotide molecules encoding an enterokinase, yeast cells comprising such a yeast expression construct, methods of producing enterokinase using such yeast cells, and method of cleaving or preparing a recombinant polypeptide using an enterokinase produced by such methods.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/11/2013** **1692/2013** **January 2017** **18/05/2017** **28025**

(51)	**Int. Cl. [8] F01K 25/04, 25/14 & F03G 6/06**
(71)	**1. ITALCEMENTI S.P.A. (ITALY)** **2.** **3.**
(72)	**1. CINTI GIOVANNI** **2. DONAYI Andrea** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) MI2012A001882 - 06-11-2012)** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) AN INTEGRATED PROCESS FOR THE PRODUCTION OF ELECTRICAL POWER AND RELATIVE APPARATUS

Patent Period Started From 04/11/2013 and Will end in 03/11/2033

(57) It is disclosed an integrated process for the production of electrical power by integration of the recovery of waste heat from a plant for the production of clinker and the recovery of heat from a plant for solar power concentration (CSP), comprising the following steps: a) recovery of the waste heat of process gases through passage of process gas in a heat exchanger which feeds a Rankine cycle where the transport fluid is diathermic oil; b) a portion of the transport fluid used in step a) is deflected and placed in contact with a diathermic fluid coming from the plant operating according to the CSP technology; c) said portion of the transport fluid, coming from step b) and having an increased temperature, is sent back to the recovery**.**

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/07/2010** **1133/2010** **January 2017** **21/05/2017** **28026**

(51)	**Int. Cl. [8] B01J 2/16**
(71)	**1. CASALE S.A (SWITZERLAND)** **2.** **3.**
(72)	**1. ZARDI, Federico** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 08000098.7 - 04-01-2008** **2. (PCT/EP2008/010958) – 19-12-2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) FLUID BED GRANULATION PROCESS AND APPARATUS

Patent Period Started From 19/12/2008 and Will end in 18/12/2028

(57) A fluid bed granulation process and apparatus, wherein a suitable fluid bed of a particulate material is maintained in a granulator (1) fed by an input flow (F) comprising a growth liquid (L) and by a flow (S1) of seeds adapted to promote the granulation, and wherein a part (F2) of said input flow (F) is taken upstream the feeding of the fluid bed, and used in a seeds generator (33), to produce the seeds for the fluid bed.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/03/2014** **0366/2014** **January 2017** **22/05/2017** **28028**

(51)	**Int. Cl. [8] B60C 23/00**
(71)	**1. FAZEKAS, Stephane (FRANCE)** **2.** **3.**
(72)	**1. FAZEKAS, Stephane** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 1158104 - 13-09-2011** **2. (PCT/FR2012/052039) – 12-09-2012** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) CONTROLLED PNEUMATIC DEVICE FOR AUTOMATICALLY INFLATING/DEFLATING A TYRE, IN PARTICULAR

Patent Period Started From 12/09/2012 and Will end in 11/09/2032

(57) The device comprises a hollow body comprising an inlet port secured to means for injecting a pressurised gaseous fluid, an inflation port in communication with the tyre at a pressure (PO), and an outlet port for releasing said fluid to the outside; according to the invention, it comprises a piston slidably mounted in at least one chamber of the body under the effect of the injection of the fluid via the inlet port, said piston cooperating with a movable assembly in combination with an exhaust valve such that: - under the effect of the injection of the gaseous fluid at a pressure (P1>P0), the piston and the movable assembly are moved linearly toward a first elastic member relative to the exhaust valve, which remains fixed, until said piston and said assembly reach a stop position corresponding to the opening of the injection valve and the closing of the exhaust valve, - under the effect of the injection of the gaseous fluid at a pressure (P2>P1), the piston is moved toward a second elastic member and relative to the movable assembly, which remains in the stop position, causing an inflation member to close and the exhaust valve to move toward a third elastic member corresponding to the opening of same from the injection valve, which remains open.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/06/2011** **0960/2011** **December 2016** **13/05/2017** **28029**

(51)	**Int. Cl. [8] F16L 15/06 & E21B 17/042**
(71)	**1. SUMITOMO METAL INDUS, LTD** **2. VALLOUREC MANNESMANN OIL & GAS FRANCE (FRANCE)** **3.**
(72)	**1. MARTIN, Pierre** **2. VERGER, Eric** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 0807088 - 16-12-2008** **2. (PCT/EP2009/008711) – 07-12-2009** **3.**
(74)	**SMAS**
(12)	**Patent**

(54) TUBULAR CONNECTION WITH SELF-LOCKING THREADING USED IN THE OIL INDUSTRY

Patent Period Started From 07/12/2009 and Will end in 06/12/2029

(57) The invention concerns a threaded connection comprising a first and a second tubular component, each being provided with a respective male and female end, the male end comprising, on its external peripheral surface, at least one threaded zone and finishing in a terminal surface which is orientated radially with respect to the axis of the connection, the female end comprising, on its internal peripheral surface, at least one threaded zone and finishing in a terminal surface which is orientated radially with respect to the axis of the connection, the male threaded zone having a first portion in which the width of the teeth, CWTp, increases from a value CWTpmin corresponding to the width of the tooth which is closest to the terminal surface of the male end to a value CWTpmax corresponding to the width of the tooth which is furthest from said terminal surface, while the width of the teeth CWTb of the female threaded zone decreases from a value CWTbmax corresponding to the width of the tooth which is furthest from the terminal surface of the female end to a value CWTbmin corresponding to the width of the tooth which is closest to said terminal surface, such that the threaded zones cooperate in accordance with self-locking make-up, characterized in that:CWTpmin/CWTbmax ≥ 0.2 and CWTbmin/CWTpmax ? ≥ CWTpmin/CWTbmax

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22) 03/02/2015** **(21) 0187/2015** **(44) January 2017** **(45) 23/05/2017** **(11) 28030**

(51)	**Int. Cl. [8] F17D 3/01, 5/02 & F16L 55/26**	
(71)	**1. HALLIBURTON ENERGY SERVICES, INC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. TUNHEIM, Ola** **2. FREESE, Robert, P** **3. ABNEY, Laurence, James**	**4. JONES, Christopher, Michael** **5. MACLENNAN, James, Robert**
(73)	**1.** **2.**	
(30)	**1. (US) 13/617,625 - 14-09-2012** **2. (PCT/US2013/058709) – 09-09-2013** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) SYSTEMS AND METHODS FOR INSPECTING AND MONITORING A PIPELINE

Patent Period Started From 09/09/2013 and Will end in 08/09/2033

(57) Disclosed are systems and methods for inspecting and monitoring an inner surface of a pipeline. One system includes a pig arranged within the pipeline and having a housing that defines a conduit therein for providing fluid communication through the pig, one or more optical computing devices arranged on the conduit for monitoring a bypass fluid flowing through the conduit. The one or more optical computing devices including at least one integrated computational element configured to optically interact with the bypass fluid and generate optically interacted light, and at least one detector arranged to receive the optically interacted light and generate an output signal corresponding to a characteristic of the bypass fluid. A signal processor is communicably coupled to the at least one detector of each optical computing device for receiving the corresponding output signals and determining the characteristic of the fluid.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/08/2013** **1290/2013** **December 2016** **24/05/2017** **28031**

(51)	**Int. Cl. [8] G10L 19/012**	
(71)	**1. FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V. (GERMANY)** **3.**	
(72)	**1. FUCHS, Guillaume** **2. GEIGER, Ralf** **3. SCHNELL, Markus**	**4. RAVELLI, Emmanuel** **5. DOEHLA, Stefan**
(73)	**1.** **2.**	
(30)	**1. (US) 61/442,632 - 14-02-2011** **2. (PCT/EP2012/052292) – 10-02-2012** **3.**	
(74)	**NAHED WADIH RIZK**	
(12)	**Patent**	

(54) APPARATUS AND METHOD FOR PROCESSING A DECODED AUDIO SIGNAL IN A SPECTRAL DOMAIN

Patent Period Started From 10/02/2012 and Will end in 09/02/2032

(57) An apparatus for processing a decoded audio signal comprising a filter for filtering the decoded audio signal to obtain a filtered audio signal, a time-spectral converter stage for converting the decoded audio signal and the filtered audio signal into corresponding spectral representations, each spectral representation having a plurality of subband signals, a weighter for performing a frequency selective weighting of the filtered audio signal by a multiplying subband signals by respective weighting coefficients to obtain a weighted filtered audio signal, a subtracter for performing a subband-wise subtraction between the weighted filtered audio signal and the spectral representation of the decoded audio signal, and a spectral-time converter for converting the result audio signal or a signal derived from the result audio signal into a time domain representation to obtain a processed decoded audio signal.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/07/2013** **1169/2013** **January 2017** **25/05/2017** **28032**

(51)	**Int. Cl. [8] A21C 11/15**
(71)	**1. NISSIN FOODS HOLDINGS CO., LTD.(JAPAN)** **2.** **3.**
(72)	**1. IGUCHI, Yoshitaka** **2. MINAMITANI, Koshi** **3. TANAKA, Mitsuru**
(73)	**1.** **2.**
(30)	**1. (US) 13/016,233 - 28-01-2011** **2. (PCT/JP2012/000543) – 27-01-2012** **3.**
(74)	**NAHED WADIH RIZK**
(12)	**Patent**

(54) APPARATUS AND METHOD FOR CUTTING NOODLE

Patent Period Started From 27/01/2012 and Will end in 26/01/2032

(57) A noodle strand cutting apparatus for cutting gelatinized noodle strands (N) used in manufacturing of instant noodles is provided with: a conveyer for conveying at least one bundle (B) of the gelatinized noodle strands (N); and a rotary cutter arranged above the conveyer and intended to cut, to a predetermined length, the at least one bundle (B) of the gelatinized noodle strands (N) conveyed on the conveyer in a substantially horizontal direction. The rotary cutter (19 is provided with a plurality of blades that extend side by side with a rotational axis in radial directions around the rotational axis, the plurality of blades being spaced from each other in a circumferential direction by predetermined intervals.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/01/2011** **0097/2011** **January 2017** **25/05/2017** **28033**

(51)	**Int. Cl. [8] B01D 63/04, 63/08, 63/12**
(71)	**1. MN BETEILIGUNGS GMBH (GERMANY)** **2.** **3.**
(72)	**1. MEYER-BLUMENROTH, Ulrich** **2. VOIGT, Reinhard** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 10 2008 036096.1- 04-08-2008** **2. (PCT/EP2009/005472) – 29-07-2009** **3.**
(74)	**MUSTAFA HUSSEIN SHAFIE**
(12)	**Patent**

(54) FILTRATION SYSTEM HAVING FLUID COUPLINGS

Patent Period Started From 29/07/2009 and Will end in 08/07/2029

(57) The invention relates to a filtration system which comprises one or more flat filter, capillary tube filter, or wound filter modules (10) having a single or double permeate drain on the edge side and fluid couplings (70) for connecting the filter modules to a fluid distributor or additional filter modules, wherein the fluid couplings comprise at least one passage each for permeate fluid, raw fluid, and concentrate fluid.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	E G	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/02/2014** **0170/2014** **December 2016** **31/05/2017** **28034**

(51)	**Int. Cl. [8] F28D 7/16**
(71)	**1. OUTOTEC OYJ (FINLAND)** **2.** **3.**
(72)	**1. DAUM, Karl-Heinz** **2. STORCH, Hannes** **3. SCHALK, Wolfram**
(73)	**1.** **2.**
(30)	**1. (DE) 10 2011 109970.4 - 11-08-2011** **2. (PCT/EP2012/064914) – 31-07-2012** **3.**
(74)	**SMAS CO**
(12)	**Patent**

(54) APPARATUS AND METHOD FOR THE THERMAL, TREATMENT OF LUMP OR AGGLOMERATED MATERIAL

Patent Period Started From 31/07/2012 and Will end in 30/07/2033

(57) A heat exchanger, in particular for use in the contact group of a sulfuric acid plant, includes a chamber in which a tube bundle is arranged on a circular ring, wherein between the tube bundle and a chamber casing surrounding the tube bundle a gas space is formed, a gas supply opening provided in the chamber casing for introducing a gas into the gas space substantially radially relative to the tube bundle, and a gas outlet opening which adjoins an interior space enclosed by the tube bundle in substantially axial direction. A uniform approach flow of the tube bundle is achieved in that the center (ZR) of the tube bundle is offset with respect to the center (ZK) of the chamber casing in a direction opposite to the gas supply opening.

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology

GRANTED PATENTS' ABSTRACTS GAZETTE

"PATENTS ISSUED IN JUNE 2017 "

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(PATENT No. 28054) ……. (21)

(PATENT No. 28055) ……. (22)

(PATENT No. 28056) ……. (23)

Preface

We are on the verge of a new era which is founded on the basis of technological development and hence, we have to follow it in all fields of national development . Technology has become the basis for the increase in national income and production and hence, scientific research has become our real hope as a way for advancement and as a necessity for life .

Emerging from the responsibility of the Academy of Scientific Research and Technology towards strengthening the pillars of science and technology , I have the pleasure to introduce the Granted Patent's Abstracts of the Publication of Patents monthly, Which includes bibliographical data . This periodical is directed to all those interested in the vital field of Intellectual property which encompasses patents, innovations and creative works .

I hope that this publication meets its targeted objective , namely increasing the welfare , prosperity and advancement for our beloved country, Egypt .

Acting President of Patent Office

Mr. Adel El- Saeid Oweide

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Inventor Name	72
Patentee Name	73
Patent Attorney Name	74

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ZR	Zaire
ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
JUNE (2017)

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Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/10/2013** **1564/2013** **February 2017** **05/06/2017** **28035**

(51)	**Int. Cl. [8] C01G 23/047 & C23F 11/18 &C09D 5/08**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED MOHAMED ABDEL MONEIM SELIM** **2. Nivin Mohamed Ahmed Hussein** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**Focal point NATIONAL RESEARCH CENTER (magda Mohasab Elsayed)**
(12)	**Patent**

(54)	**TITLE A PROCESS FOR THE PREPARATION OF CALCIUM CARBONATE POWDER COATED BY TITANIUM OXIDE AS ANTICORROSIVE PIGMENT FOR METALLIC SURFACES**
	Patent Period Started From 08/10/2013 and Will end in 07/10/2033

(57) The patent is related to preparation of calcium carbonate powder coated by titanium oxide. This was performed by grinding calcite mineral (calcium carbonate) to a size less than 5 micron. To the powder excess ammonia is added and the ph is regulated to higher value. A solution of titanium tetrachloride in cone, hydrochloric acid is added drop wise to the solution till complete precipitation of titanium hydroxide. The precipitated product is heated at temperature lower than the temperature of decomposition of calcium carbonate. The prepared materials were examined as pigment and showed very good characteristics for preventing corrosion exceeding both of titanium dioxide and calcium carbonate severally.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/06/2014** **0877/2014** **March 2017** **05/06/2017** **28036**

(51)	**Int. Cl. [8] B65D 83/38, 83/42, 83/64, 83/62**
(71)	**1. RESILUX (BELGIUM)** **2.** **3.**
(72)	**1. DE CUYPER, Dirk** **2. DIERICKX, William** **3.**
(73)	**1.** **2.**
(30)	**1. (BE) 2011/0757 - 05-12-2011** **2. (BE) 2012/0681 – 10-10-2012** **3. (PCT/BE2012//000053) – 05-12-2012**
(74)	**GEORGE I. MINA**
(12)	**Patent**

(54) PLASTIC CONTAINER FOR PACKING OF FILLING PRODUCT UNDER PRESSURE, AND METHOD FOR THE MANUFACTURE THEREOF

Patent Period Started From 05/12/2012 and Will end in 04/12/2032

(57) Container for packaging under pressure of a filling product continuum, notably (semi-)liquid fluids, or discontinuous filling products resp,(such as foam, pastes, cream, or powders, comprising a neck section with a pouring opening on its top side, an adjacent sheathing section forming the body of the container, and a bottom section of the container, which is essentially composed of a plastic polymer which is closable on said top section with a closure, remarkable In that the bottom section disposed opposite said top section is closed by a separately added bottom which is attached to said body by means of a joint, and in that said body is provided with a set of reinforcements, and a method for manufacturing it.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/07/2013** **1164/2013** **January 2017** **06/06/2017** **28037**

(51)	**Int. Cl. [8] F24F 1/00**
(71)	**1. SHARP KABUSHIKI KAISHA (JAPAN)** **2.** **3.**
(72)	**1. TAKAHASHI,Masaya** **2. OHTSUKA,Masaki** **3. SHIRAICHI,Yukishige**
(73)	**1.** **2.**
(30)	**1. (JP) 2011-002808 - 11-01-2011** **2. (PCT/JP2011/080094) – 26-12-2011** **3.**
(74)	**SONIA FAYEK FARAG**
(12)	**Patent**

(54)	**AIR CONDITIONER**
	Patent Period Started From 26/12/2011 and Will end in 25/12/2031

(57) The present invention provides an air conditioner equipped with a cross flow fan having high air blowing efficiency. A housing comprises therein an air flow path which leads from a suction opening to a discharge opening, a heat exchanger which is disposed on the upstream side of the air flow path, a cross flow fan which is disposed in the air flow path at a position downstream of the heat exchanger, and air flow path walls which, in a region downstream of the cross flow fan, lead to the discharge opening. Flow restriction sections which are shaped so as to reduce the cross-sectional area of the air flow path are provided at corners of portions of the side walls of the air flow path walls, the portions being located at both ends of the side walls in the direction of the axis of the cross flow fan. The flow restriction sections are shaped so as to reduce the cross-sectional area of the air flow path in order to reduce the expansion ratio of the cross-sectional area of the rectangular cross-sectioned air flow path which, in the region downstream of the cross flow fan, expands from the upstream side to the downstream side. Also, the flow restriction sections have restriction surfaces comprising flat smooth surfaces and traversing the corners of the cross-section of the air flow path. The shape of the cross-section of the restriction surfaces is set so that the cross-section gradually increases from the upstream side to the downstream side of air flow**.**

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/02/2013** **0181/2013** **December 2016** **11/06/2017** **28038**

(51)	**Int. Cl. [8] H04J 99/00, 11/00 & H04B 7/04**
(71)	**1. PANASONIC CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. MURAKAMI, Yutaka** **2. KIMURA, Tomohiro** **3. OUCHI, Mikihiro**
(73)	**1. SUN PATENT TRUST (UNITED STATES OF AMERICA)** **2.**
(30)	**1. (JP) 2011-033771 - 18-02-2011** **2. (JP) 2011-051842 - 09-03-2011** **3. (JP) 2011-093544 - 19-04-2011** **4. (JP) 2011-102101 - 28-04-2011** **5. (PCT/JP2012/000352) – 20-01-2012**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHOD OF SIGNAL GENERATION AND SIGNAL GENERATING DEVICE**
	Patent Period Started From 20/01/2012 and Will end in 19/01/2032

(57) Provided is a method of concurrently transmitting a first modulated signal and a second modulated signal at the same frequency, wherein both signals are precoded by using a fixed precoding matrix while transmitting the signals by regularly changing at least one of the phases of the first modulated signal or the second modulated signal, whereby data reception quality is improved at a receiving device.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/06/2013** **0998/2013** **February 2017** **12/06/2017** **28039**

(51)	**Int. Cl. [8] G02B 5/10 & C03C 27/10**
(71)	**1. TERASOLAR PHOTOTHERMAL TECHNOLOGY CO., LTD (CHINA)** **2.** **3.**
(72)	**1. LIU, Yang** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (CN) 201010594506.1 - 17-12-2010** **2. (CN) 201010606339.8 - 24-12-2010** **3. (PCT/CN2011/080704) – 12-10-2011**
(74)	**NAZEH AKHNOKH SADK ELIAS**
(12)	**Patent**

(54)	**CURVED REFLECTIVE MIRROR AND MANUFACTURING METHOD THEREFOR**
	Patent Period Started From 12/10/2011 and Will end in 11/10/2032

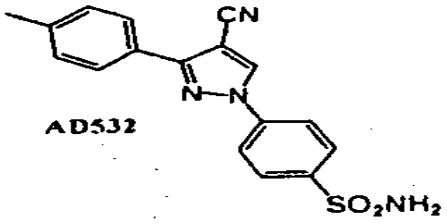
(57) A curved reflective mirror comprising a flat glass structure, an intermediate adhesive layer, and a flat glass mirror. The intermediate adhesive layer is arranged between the flat glass structure and the flat glass mirror. The flat glass structure, the intermediate adhesive layer, and the flat glass mirror are distended via mechanical means with the support of a mold. The distended flat glass structure, intermediate adhesive layer, and flat glass mirror are solidified and bonded together via heating and/or ultraviolet light exposure and/or room temperature solidification to form a composite curved structure. Also provided is a method for manufacturing the curved reflective mirror. The curved reflective mirror can be used broadly in the fields of solar thermal collection and focusing, and of solar thermal power generation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/09/2007** **0465/2007** **December 2016** **13/06/2017** **28040**

(51)	**Int. Cl. [8] A61k 31/415, A61P 29/00, 31/04, 31/10 , C07D 231/12**
(71)	**1. Adnan Ahmed Bekhit El-Sayed (EGYPT)** **2.** **3.**
(72)	**1. Adnan Ahmed Bekhit El-Sayed** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT - Alexandria UNVIRSTY**
(12)	**Patent**

(54)	**COMPOUND DERIVED FROM PYRAZOLE AS ANTI-INFLAMMATORY ANTIMICROBIAL AGENT**
	Patent Period Started From 09/09/2007 and Will end in 08/09/2027

(57) The synthesis of new pyrazolylbenzenesulfonamide compound(1-(4-aminosulfonylphenyl-3-(methylphenyl)-1H-pyrazol-4-carbonitril) AD532 is described in the present work. the target compound was examined for its anti-inflammatory activity using cotton pellet induced granuloma and carrageenan induced rat paw edema bioassays. In addition, cyclooxygenase-1 and cyclooxygenase-2 (COX-1 and COX-2) inhibitory activity, ulcerogenic effect and acute toxicity were determined. Moreover, the target compound was screened for their in-vitro antimicrobial activity. this compound was found to be active as anti-inflammatory antimicrobial agent in the present study with good safety margin and minimal ulcerogenic effect. andpronounced antifungal activity. Also this compound exhibited good selective inhibitory activity towards COX-2. Therefore, these compound would represent a new strategy in the treatment of acute or chronic inflammation associated minor microbial infection



Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/01/2014** **0003/2014** **January 2017** **13/06/2017** **28041**

(51)	**Int. Cl. [8] A61F 13/15, 13/49 & B07C 5/36**
(71)	**1. UNI-CHARM CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. TAKAHASHI, Kazuhiko** **2. WATANABE, Tomohiro** **3. MIYAKI, Masanobu**
(73)	**1.** **2.**
(30)	**1. (JP) 2011-147782 - 01-07-2011** **2. (PCT/JP2012/004260) – 29-06-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD OF EJECTING FAULTY ABSORBENT ARTICLE

Patent Period Started From 29/06/2012 and Will end in 28/06/2032

(57) A method of ejecting a faulty absorbent article PD according to the present invention includes a step of detecting a failure region of the absorbent article PD in which a failure location of the absorbent article PD exists, and a type of a failure in the failure region, by identifying a shape of the absorbent article in the course of the manufacturing line, a step of deciding the absorbent article PD to be ejected based on the detection result of the failure region and the type of failure in the step of detecting, and a step of disengaging, from the manufacturing line, the absorbent article PD decided in the step of deciding, and then ejecting the absorbent article in the course of the manufacturing line. In the step of deciding, the number of absorbent articles PD to be ejected in the step of ejecting is decided according to the failure region and the type of the failure.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/09/2013** **1494/2013** **January 2017** **13/06/2017** **28042**

(51)	**Int. Cl. [8] F02M 31/20 & F01M 5/00 & F01P 3/20, 7/16 & F02B 29/04, 37/00**
(71)	**1. MITSUBISHI HEAVY INDUSTRIES, LTD. (JAPAN)** **2.** **3.**
(72)	**1. KOMIYAMA, Masahito** **2. INOUE, Kiwamu** **3. FUKUSHI, Hiroshi**
(73)	**1.** **2.**
(30)	**1. (JP) 2011-07738931-03-2011** **2. (PCT/JP2012/056022) – 08-03-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) INTAKE COOLING DEVICE OF STATIONARY INTERNAL COMBUSTION ENGINE

Patent Period Started From 08/03/2012 and Will end in 07/03/2032

(57) The invention comprises a primary intake cooler, a high-temperature-side intake cooler, and a low-temperature-side intake cooler in the air intake path on the upstream side and the downstream side of a supercharger. The invention further comprises an absorption-type refrigerator for sending cooling water to the primary intake cooler and the low-temperature-side intake cooler, and a second radiator for sending cooling water to the high-temperature-side intake cooler. The invention also comprises a first radiator for sending cooling water to the absorption-type refrigerator. Steam is produced using an exhaust-heat boiler provided to the exhaust path. The steam is supplied to the absorption-type refrigerator as the heat source. The invention additionally comprises a third radiator for cooling lubrication oil flowing through a lubrication oil circulation space. Providing the first radiator, the second radiator, and the third radiator obviates the need to use water as a cold source.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/08/2013** **1310/2013** **December 2016** **14/06/2017** **28043**

(51)	**Int. Cl. [8] A61F 13/36 & A44B 18/00**	
(71)	**1. 3M INNOVATIVE PROPERTIES COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. WOOD, Leigh E WOOD, Leigh E** **2. GILBERT, Thomas J** **3. PELTIER, Mark A** **4. KITZER, Peter** **5. HAUSCHILDT, Volker**	**6. URBAN, Andreas** **7. UNRUH, William C** **8. BIEGLER, Kristopher K** **9. ZONNEVELD, Edwin P**
(73)	**1.** **2.**	
(30)	**1. (US) 13/028,912 - 16-02-2011** **2. (US) 61/499,470 - 21-06-2011** **3. (PCT/US2012/025434) – 16-02-2012**	
(74)	**ABD ELHADI OFFICE**	
(12)	**Patent**	

(54) ABSORBENT PRODUCT COMPRISING A FASTENING LAMINATE AND THE MANUFACTURING METHOD THEREOF

Patent Period Started From 16/02/2012 and Will end in 15/02/2032

(57) Absorbent product comprising a fastening laminate comprising interrupted slits through a material having upstanding posts or loops, the interrupted slits being interrupted by at least one intact bridging region: spreading the slit material to provide multiple strands separated from each other between at least some of the bridging regions to provide at least one opening , and fixing the multiple strands in a spread configuration. The reticulated mechanical fastenr can include multiple strands of a backing attached to each other at bridging regions in the backing and separated from each other between he bridging regions to provide openings. upstanding posts on each of the multiple strands have bases attached to the backing, and each of the multiple strands has a widthe that is greater than that of the bases of its attached upstanding posts. the reticulated mechanical fatener can be reticulated mechanical fastening web of a loop material a regular pattern of spaced apart geometric shaped openings, wherein the loop material is not joined to an slastic or pleated extensible carrier. the loop material can be joined to a carrier having up to a ten percent elongation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/12/2014** **2000/2014** **December 2016** **14/06/2017** **28044**

(51)	**Int. Cl. [8] A01H 4/00, 5/04, 5/06**
(71)	**1. NEW ENERGY FARMS LIMITED (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. CARVER, Paul Adrian** **2. TiESSEN,dEAN WILLIAM** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 1210374.3 - 12-06-2012** **2. (PCT/GB2013/051543) – 12-06/2013** **3.**
(74)	**Amr Moufed Eldeeb**
(12)	**Patent**

(54)	**PLANT PROPAGATIONPLANT PROPAGATION**
	Patent Period Started From 12/06/2013 and Will end in 11/06/2033

(57) The present application relates generally to the field of plant propagation. In particular, the present invention relates to a method for the propagation of vegetatively reproducing plants and plants and plant parts produced by such methods. The invention also provides encapsulated propagules. The invention also provides various end uses for the encapsulated propagules and for plants grown from the same. The invention also provides a method for the modification of the architecture of rhizomes and rhizomes having modified architecture and a method for the modification of the architecture of stem cuttings and stem cuttings having modified architecture. The invention also provides a coating for a propagule and a propagule coated therewith.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/07/2013** **1153/2013** **December 2016** **14/06/2017** **28045**

(51)	**Int. Cl. [8] H01H 17/10**
(71)	**1. LSIS CO., LTD (KOREA)** **2.** **3.**
(72)	**1. SEONG Yeol Cho** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (KR) 10-2012-0074704 - 09-07-2012** **2.** **3.**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) A MOVER ASSEMBLY OF A CIRCUIT BREAKER IS PROVIDED

Patent Period Started From 08/07/2013 and Will end in 07/07/2033

(57) A mover assembly of a circuit breaker according to one aspect includes: a terminal fixed within a circuit breaker; a connector coupled to the terminal; a plurality of movers rotatably installed in the connector; and an elastic member applying elastic force to the movers to tightly attach the movers to the connector, wherein each of the movers includes a first mover and a second mover and the elastic member is positioned between the first mover and the second mover.A mover assembly of a circuit breaker according to another aspect includes: a terminal including a connector having a plurality of accommodation portions; a first mover having one end accommodated in the accommodation portion; a second mover having one end accommodated in the accommodation portion, and formed to correspond to the first mover so as to be moved together with the first mover; an elastic member interposed between the first mover and the second mover; and a movable contactor installed in the other ends of the first mover and the second mover, wherein the elastic member tightly attaches the first mover to one side of the accommodation portion and the second mover to the other side of the accommodation portion to allow a current introduced through the movable contactor to flow to the terminal through the first mover and one side of the accommodation portion and through the second mover and the other side of the accommodation portion.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/07/2013** **1152/2013** **December 2016** **14/06/2017** **28046**

(51)	**Int. Cl. [8] H02H 3/06**
(71)	**1. LSIS CO., LTD (KOREA)** **2.** **3.**
(72)	**1. Jae Kwan Seo** **2. Seong Yeol CHO** **3.**
(73)	**1.** **2.**
(30)	**1. (KR) 10-0074703- 2012 - 09-07-2012** **2.** **3.**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) CIRCUIT BREAKER

Patent Period Started From 08/07/2013 and Will end in 07/07/2033

(57) A circuit breaker includes: a housing; a stator accommodated in the housing and connected to a terminal unit; a mover selectively brought into contact with the stator; an opening and closing unit manipulating the mover such that the mover is selectively brought into contact with the stator; and an insulating cover provided in the housing and shielding the mover and the stator from the exterior of the housing, wherein the housing or the insulating cover is made by molding an electrical insulating material.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/07/2013** **1176/2013** **February 2017** **18/06/2017** **28047**

(51)	**Int. Cl. [8] H04N 7/32**
(71)	**1. SONY CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. KONDO, Kenji** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2011-011861 - 24-01-2011** **2. (JP) 2011-153183 - 11-07-2011** **3. (PCT/JP2012/050456) – 12/01/2012**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) IMAGE DECODING DEVICE, IMAGE ENCODING DEVICE, AND METHOD THEREOF

Patent Period Started From 12/01/2012 and Will end in 11/01/2032

(57) In the present invention, a reversible decoding unit extracts, from stream information, difference information indicating the difference with respect to a predicted quantization parameter selected from selection candidates, the selection candidates being quantization parameters of a decoded block spatially or temporally adjacent to a block to be decoded. A quantization parameter calculation unit calculates a quantization parameter of the block to be decoded from the difference information and the predicted quantization parameter. As a result, it is possible to correctly decode an image by calculating a quantization parameter equivalent to the quantization parameter used during image encoding.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/04/2015** **0623/2015** **February 2017** **18/06/2017** **28048**

(51)	**Int. Cl. [8] C02F 1/68 & A23L 2/52**	
(71)	**1. Unilever Plc (UNITED KINGDOM)** **2.** **3.**	
(72)	**1. GOPALKRISHNA, Girish, Shanka** **2. DAGAONKAR, Manoj, Vilas** **3. DAVID chandra, franklin**	**4. KUMARAN, Vetri** **5. RAJANARAYANA, Venkataraghavan**
(73)	**1.** **2.**	
(30)	**1. (GB) 12192904.6 - 16-11-2012** **2. (PCT/EP2013/073027) – 05-11-2013** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) DIETARY SUPPLEMENT DOSING DEVICE

Patent Period Started From 05/11/2013 and Will end in 04/11/2033

(57) The present invention relates to a dietary supplement dosing device that can be connected to a source of water to enable dosing of dietary supplement to water at the time of dispensing. The dietary supplement dosing device is capable of dosing controlled amounts of the dietary supplement to water upon being dispensed for consumption by fitting it to a faucet and the dietary supplement dosed water is free of colour, taste and odour and with beneficial amounts of dietary supplement. A dietary supplement dosing device comprises a flow distribution unit and a dietary supplement cartridge and the dietary supplement cartridge can be designed to deliver the dietary supplement from a source which is either in the solid or liquid form

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/06/2008** **0974/2008** **February 2017** **18/06/2017** **28049**

(51)	**Int. Cl. [8] H04Q 3/00, 7/27**
(71)	**1. TELEFONAKTIEBOLAGET LM ERICSSON (SWEDEN)** **2.** **3.**
(72)	**1. NOLDUS, ROGIER** **2. SHARMA, ARVIND** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/EP2005/056843) – 16-12-2005** **2.** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) A METHOD FOR HANDLINEG MOBILE TERMINATING CALLS TO A SUBSCRIBER OF A MOBILE TELECOMMUNICATIONS NETWORK

Patent Period Started From 16/12/2005 and Will end in 15/12/2025

(57) A method and control node (110) and computer program are disclosed for handling Intelligent Network services associated with a call to a subscriber of a mobile telecommunications network, the network comprising said c ontrol node (110),

a HLR 5 (111) and one or more SCPs (121, 122, 123). Said control node (110) a) sends (101) to said HLR (111) one or more requests for routing information associated with said call;

b) receives (102) from said HLR (111) service trigger elements associated with said services;

c) uses said trigger elements for invoking (103) said services in said one ore more SCPs (121, 122, 123); and d) receives (104) from said one or more 10 SCPs (121, 122, 123) information related to said services associated with said trigger elements.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/11/2013** **1825/2013** **January 2017** **18/06/2017** **28050**

(51)	**Int. Cl. [8] F17C 13/00**
(71)	**1. Hutchinson S.A. (FRANCE)** **2.** **3.**
(72)	**1. BONGIOVANNI, David** **2. WISEMAN, Michael** **3. JANICKI, Adam** **4. FORSTER, Eric**
(73)	**1.** **2.**
(30)	**1. (US) 61/490.832 - 27-05-2011** **2. (PCT/US2012/039265) – 24-05-2012** **3.**
(74)	**NAHED WADEE REZK**
(12)	**Patent**

(54)	**SELF-SEALING LIQUID CONTAINMENT SYSTEM AND METHOD OF INSTALLING SAME**
	Patent Period Started From 24/05/2012 and Will end in 23/05/2032

(57) A system. The system includes one or more self-sealing panels and a cap member. The one or more self-sealing panels substantially cover an exterior surface of a liquid container. The cap member covers at least one of the following: one or more portions of the exterior surface of the liquid container; and an exterior surface of at least one of the one or more self-sealing panels.

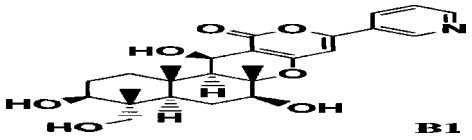
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/09/2012** **1483/2012** **December 2016** **18/06/2017** **28051**

(51)	**Int. Cl. [8] C07D 493/04**	
(71)	**1. MEIJI SEIKA PHARMA CO., LTD. (JAPAN)** **2.** **3.**	
(72)	**1. FUKUDA, Yoshimasa** **2. ANDO, Takashi** **3. GOTO, Kimihiko** **4. NAKANISHI,NOZOMU**	**5. WATANABE, Takashi** **6. KURIHARA, Kenichi** **7. MINOWA, Nobuto** **9. MITOMI, Masaaki**
(73)	**1.** **2.**	
(30)	**1. (JP) 2010-044416 - 01-03-2010** **2. (PCT/JP2010/070414) – 10/-11-2010** **3.**	
(74)	**RAGAII EL DEKKI & PARTNERS**	
(12)	**Patent**	

(54) PROCESS FOR PRODUCING PYRIPYROPENE DERIVATIVES

Patent Period Started From 10/11/2010 and Will end in 09/11/2030

(57) Disclosed is a process for efficiently producing pyripyropene derivatives having acyloxy at the 1-position and 11-position and hydroxyl at the 7-position. The process comprises selectively acylating hydroxyl at the 1-position and 11-position of a compound represented by formula Bl through one to three steps with an acylating agent in the presence or absence of a base.



B1

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	E G ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/05/2014** **0869/2014** **March 2017** **18/06/2017** **28052**

(51)	**Int. Cl. [8] A01G 9/14**
(71)	**1. Agriculture Research Center (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED GHARIB AL-ASHRY GHARIB** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**TWO LEVELS GREENHOUSE**
	Patent Period Started From 29/05/2014 and Will end in 28/05/2034

(57) Two levels greenhouse has been designed for maximization of usage of land unit for seedlings production. The design allows irrigation water to be collected using panels connected to the main irrigation outlet for re-utilization. A greenhouse has a back entry for the upper level to prevent contamination between the two levels. The second level has two benches, one at each side for multiple usages. Each bench fixed on an iron pillar to allow sunlight to penetrate to the down level. All the bottom of the upper level made of a wire net of galvanized iron. The greenhouse could be used for production of vegetable, fruits, ornamental seedlings and acclamation of grafted seedlings and tissue culture plants as well as Mushroom production and hydroponic cultures.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/10/2011** **1728/2011** **February 2017** **19/06/2017** **28053**

(51)	**Int. Cl. [8] B32B 17/10, C03C 27/12, G10K 11/186**
(71)	**1. SAINT-GOBAIN GLASS FRANCE (FRANCE)** **2.** **3.**
(72)	**1. MILAMON, Christophe** **2. LEVASSEUR, Fabien** **3. NUGUE, Jean-ClEment**
(73)	**1.** **2.**
(30)	**1. (FR) 0952567 - 20-04-2009** **2. (PCT/FR2010/050749) – 19-04-2010** **3.**
(74)	**NAHID WADI RIZK**
(12)	**Patent**

(54)	**METHOD FOR MANUFACTURING LAMINATED GLAZING, AND LAMINATED GLAZING**
	Patent Period Started From 19/04/2010 and Will end in 18/04/2030

(57) according to the method of the invention for manufacturing laminatglazing such that it resists predetermined stresses, reference laminated glazing is identified which resists the predetermined stresses and which comprises at least one substrate and an insert having the same chemical compositions as the laminated glazing to be manufactured; the tear strength (jc-ref) of the laminated glazing insert, as well as the thickness of the insert (ei-ref) and the thickness of the substrate (eg-ref) of the reference laminated glazing is then determined; then, using a graph (c4) representing the minimum tear resistance of the insert (jc-min) required for any given laminated glazing, comprising at least one substrate and an insert having the same chemical composition as the laminated glazing to be manufactured, and resisting the predetermined stresses, on the basis of the thickness of the insert (ei) and/or on the thickness of the substrate (eg), a combination of optimal values (ei-opt eg-opt) is deduced for the thickness of the insert and the thickness of the substrate; the laminated glazing is then sized with an insert thickness (ei-dim) and a substrate thickness (eg-dim) greater than or equal to the optimal values (ei-opt , eg-opt)**.**

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/06/2010** **0945/2010** **February 2017** **19/06/2017** **28054**

(51)	**Int. Cl. [8] H04W 8/22**, 12**/00**	
(71)	**1. TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) (SWEDEN)** **2.** **3.**	
(72)	**1. RACZ, Andras** **2. NORDSTRAND, Ingrid** **3. MILDH, Gunnar**	**4. LINDSTROM, Magnus** **5. WALLENTIN, Pontus**
(73)	**1.** **2.**	
(30)	**1. (US) 60/992,795 - 06-12-2007** **2. (US) 60/992.715 - 06-12-2007** **3. (PCT/SE2008/050575) – 15-05-2008**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) METHOD FOR UPDATING UE CAPABILITY INFORMATION IN A MOBILE TELECOMMUNICATIONS NETWORK

Patent Period Started From 15/05/2008 and Will end in 14/05/2028

(57) The present invention relates to methods and arrangements for handling UE capability information a mobile telecommunications network wherein an eNodeB (100) receives (60) information regarding the UE capability information from the UE (120) and stores (70) the information. The eNodeB (100) sends (80) the UE capability information to the EPC, i.e. the MME (130). The MME (130) receives and stores (90) the UE capability information. When the UE (120) transits from idle to active state, does an initial attach or when a part of the UE capabilities have changed, it sends (10) a message Ma to the eNodeB (100) regarding the update. The eNodeB (100) receives the message and sends (20) it to the MME (130). The MME (130) sends (30) a response associated with the previously stored UE capability information to the eNodeB (100). The eNodeB (100) decides (40) if the UE capabilities stored in the MME (130) is up-to-date based on the message sent from the UE (120) and the received response from the MME (130). If the UE (120) holds updated UE capabilities the eNodeB (100) could request (50) updated UE (100) capability information from the UE (120)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/05/2015** **0696/2015** **February 2017** **19/06/2017** **28055**

(51)	**Int. Cl. [8] C25B 1/13, 1/26, 1/30, 11/04**
(71)	**1. INDUSTRIE DE NORA S.P.A (ITALY)** **2.** **3.**
(72)	**1. GULLA, Andrea Francesco** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) MI2012A001909 - 09-11-2012** **2. (PCT/EP2013/073356) – 08-11-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**ELECTROLYTIC CELL EQUIPPED WITH MICROELECTRODES**
	Patent Period Started From 08/11/2013 and Will end in 07/11/2033

(57) The invention relates to an electrolytic cell equipped with microelectrodes for the generation of un-separated products and the method for obtaining it. The cell and the microelectrodes of the present invention are obtained using a technology for the production of microelectromechanical systems (MEMS). The anodic and cathodic microelectrodes have an electrocatalytic coating and are mutually intercalated at an interelectrodic gap lower than 300 micrometres.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/10/2009** **1558/2009** **April 2017** **19/06/2017** **28056**

(51)	**Int. Cl.** [8] **H04Q 7/38**, 7/32
(71)	**1. TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) (SWEDEN)** **2.** **3.**
(72)	**1. MILDH, Gunnar** **2. WAHLQVIST, Mattias** **3.**
(73)	**1.** **2.**
(30)	**1. (SE) 0701010-1 - 26-04-2007** **2. (PCT/SE2007/051050) – 20-12-2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD AND ARRANGEMENT FOR PROCESSING MOBILE STATION HISTORY INFORMATION IN A WIRELESS COMMUNICATION SYSTEM

Patent Period Started From 20/12/2007 and Will end in 19/12/2027

(57) Methods and apparatus for processing mobile station transaction information at a serving control node in a wireless communication system are disclosed. The serving control node may be a base station, such as an eNodeB in an LTE/SAE wireless communication system. The transaction information, which may include, for example, mobility-related transaction information and traffic-related transaction information for a given mobile station, may be passed between controlling control nodes as the corresponding mobile station is handed over, so that a controlling control node has access to information characterizing the past activities of the mobile station. This information may be used in some embodiments for selecting a target control node for handover or for allocating link resources.

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology

GRANTED PATENTS' ABSTRACTS GAZETTE

" PATENTS ISSUED IN JULY 2017 "

Egyptian Patent Office

Issue No 254 **AUGUST 2017**

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(PATENT No. 28074) ……. (19)

(PATENT No. 28075) ……. (20)

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(PATENT No. 28108) …….. (53)

(PATENT No. 28109) …….. (54)

(PATENT No. 28110) …….. (55)

(PATENT No. 28111) …….. (56)

(PATENT No. 28112) …….. (57)

(PATENT No. 28113) …….. (58)

(PATENT No. 28114) …….. (59)

(PATENT No. 28115) …….. (60)

(PATENT No. 28116) …….. (61)

(PATENT No. 28117) …….. (62)

Preface

We are on the verge of a new era which is founded on the basis of technological development and hence, we have to follow it in all fields of national development . Technology has become the basis for the increase in national income and production and hence, scientific research has become our real hope as a way for advancement and as a necessity for life .

Emerging from the responsibility of the Academy of Scientific Research and Technology towards strengthening the pillars of science and technology , I have the pleasure to introduce the Granted Patent's Abstracts of the Publication of Patents monthly, Which includes bibliographical data . This periodical is directed to all those interested in the vital field of Intellectual property which encompasses patents, innovations and creative works .

I hope that this publication meets its targeted objective , namely increasing the welfare , prosperity and advancement for our beloved country, Egypt .

Acting President of Patent Office

Mr. Adel El- Saeid Oweide

Bibliographic data

Bibliographic data	symbol
Patent Number	11
Patent Kind	12
Application Number	21
Filing Date	22
Priority Number Priority Date Priority Country	30
Issuance Date	45
International Patent Classification	51
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Abstract	57
Applicant Name	71
Inventor Name	72
Patentee Name	73
Patent Attorney Name	74

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L I	Liechtenstein
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NE	Niger
NG	Nigeria
NI	Nicaragua
NL	Netherlands
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SO	Somalia
SR	Suriname
ST	Saotome and Principe
SV	El Salvador
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SZ	Swaziland
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TG	Togo
TJ	Tajikistan
TH	Thailand
TM	Turkmenistan
TN	Tunisia
TR	Turkey
TT	Trindad and Topago
TW	Taiwan
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UA	Ukraine
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UY	Uruguay
UZ	Uzbekistan
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VN	Viet Nam
YD	Yemen
YU	Yugoslavia
ZA	South Africa
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
JULY (2017)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/01/2014** **0029/2014** **March 2017** **02/07/2017** **28057**

(51)	**Int. Cl. [8] C0C 8/14 & C03B 1/02 & C04B 41/50**	
(71)	**1. LAMBERTI SPA (ITALY)** **2.** **3.**	
(72)	**1. CHIAVACCI, Dario** **2. CANZIANI, Mattia** **3. CRESPI, Stefano**	**4. VIGANO, Laura** **5. FLORIDI, Giovanni** **6. LI BASSI, Giuseppe**
(73)	**1.** **2.**	
(30)	**1. (IT) VA 2011 A 000023 - 01-08-2011** **2. (PCT/EP2012/064331) – 20-07-2012** **3.**	
(74)	**WAGDY NABEH AZEZ**	
(12)	**Patent**	

(54) ADDITIVES FOR CERAMIC GLAZES IN THE FORM OF EXTRUDED PELLETS COMPRISING CARBOXYMETHYL CELLULOSE

Patent Period Started From 20/07/2012 and Will end on 19/07/2032

(57) Use of extruded pellets comprising a) from 5 to 85% by weight as dry matter of a carboxymethyl cellulose (CMC) and b) from 5 to 85% by weight as dry matter of at least another ceramic glaze additive, in which the sum of a) + b) represents at least 40% by weight of their dry matter, for the preparation of ceramic glaze slips, the pellets being in an amount comprised between 0.05% and 5% by weight based on the weight of the ceramic glaze slip.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/01/2014** **0119/2014** **March 2017** **02/07/2017** **28058**

(51)	**Int. Cl. [8] C08K 5/092 & C03C 25/14, 25/32 & C08F 251/00 & C08G 63/668 & C08J 3/24 & C08K 5/1545, 5/51 & D04H 3/12, 1/587, 1/645, 1/4209, 3/002 & C09J 11/08 & C08L 3/00**
(71)	**1. SAINT-GOBAIN ISOVER (FRANCE)** **2.** **3.**
(72)	**1. JAFFRENNOU, Boris** **2. OBERT, Edouard** **3. KAPLAN, Benjamin**
(73)	**1.** **2.**
(30)	**1. (FR) 1102476 - 05-08-2011** **2. (PCT/FR2012/051774) – 26-07-2012** **3.**
(74)	**NAHED WADIH RIZK**
(12)	**Patent**

(54) SIZING COMPOSITION FOR MINERAL WOOL CONTAINING A REDUCING SACCHARIDE AND A HYDROGENATED SACCHARIDE, AND RESULTING INSULATING PRODUCTS

Patent Period Started From 26/07/2012 and Will end on 25/07/2032

(57) The present invention relates to a sizing composition for insulating products containing mineral wool, in particular stone wool or glass wool, which includes: at least one reducing saccharide; at least one hydrogenated saccharide; and at least one polyfunctional cross-linking agent, the hydrogenated saccharide(s) accounting for 10 to 90% of the total weight of reducing saccharide(s) and hydrogenated saccharide(s). The invention also relates to the resulting mineral-fiber insulating products and to the method for manufacturing same.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/08/2013** **1285/2013** **March 2017** **02/07/2017** **28059**

(51)	**Int. Cl. [8] H04W 36/28, 36/14, 40/36**	
(71)	**1. NTT DOCOMO, INC (JAPAN)** **2.** **3.**	
(72)	**1. NISHIDA, Katsutoshi** **2. KOSHIMIZU, Takashi** **3. TAKAHASHI, Hideaki**	**4. IWAMURA, Mikio**
(73)	**1.** **2.**	
(30)	**1. (JP) 2011-024383 - 07-02-2011** **2. (PCT/JP2012/052727) – 07-12-2012** **3.**	
(74)	**RAGAEY ELDEKY**	
(12)	**Patent**	

(54) MOBILE COMMUNICATION METHOD AND MOBILE MANAGEMENT NODE

Patent Period Started From 07/02/2012 and Will end on 06/02/2032

(57) Provided is a scheme that, during handover from E-UTRAN to UTRAN/GERAN of UE #1, which is performing video communication with UE #2, is for determining the switching method of the video communication. The summary of the mobile communication method is that the mobile communication method has: a step wherein, when setting a video bearer and audio bearer that configure a path for video communication, an IMS determines the switching method of the video communication; and a step wherein a mobile transmission network and an eNB hold association information that associates information relating to the determined switching method, information relating to the video bearer, and information relating to the audio bearer.

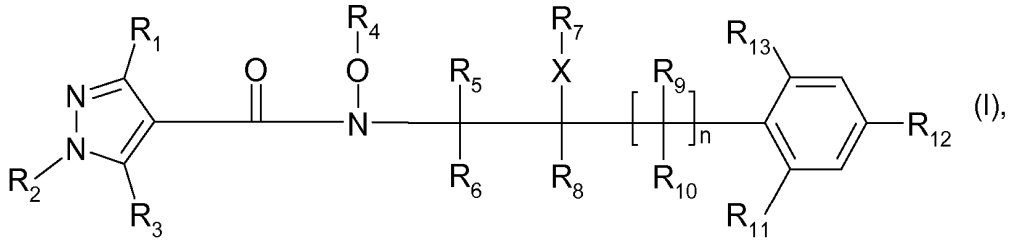
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/06/2011** **0884/2011** **February 2017** **02/07/2017** **28060**

(51)	**Int. Cl. [8] C07C 239/10, 239/20 & A01N 43/26 & C07C 239/12**
(71)	**1. SYNGENTA PARTICIPATIONS AG (SWITERLAND)** **2.** **3.**
(72)	**1. STIERLI, Daniel** **2. WALTER, Harald** **3. RAJAN, Ramya**
(73)	**1.** **2.**
(30)	**1. (IN) 2764/DEL/2008 - 05-12-2008** **2. (PCT/EP2009/066119) – 01-12-2009** **3.**
(74)	
(12)	**Patent**

(54) NOVEL PYRAZOLE-4 -N-ALKOXYCARBOXAMIDES AS MICROBIOCIDES

Patent Period Started From 01/12/2009 and Will end on 30/11/2029

(57) Compounds of formula (I) in which the substituents are as defined in claim 1,are suitable for use as micro biocides.



(I),

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/09/2014** **1539/2017** **March 2017** **03/07/2017** **28061**

(51)	**Int. Cl. [8] B23K 35/00, 35/02, 35/365 & C22C 19/00**
(71)	**1. ALFA LAVAL CORPORATE AB (SWEDEN)** **2.** **3.**
(72)	**1. SJÖDIN, Per** **2. WALTER, Kristian** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 12161742.7 - 28-03-2012** **2. (PCT/EP2013/056530) – 27-03-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD FOR JOINING METAL PARTS

Patent Period Started From 27/03/2013 and Will end on 26/03/2033

(57) A method for joining a first metal part with a second metal part, the metal parts having a solidus temperature above 1100 QC. The method comprises: applying a melting depressant composition on a surface of the first metal part, the melting depressant composition comprising a melting depressant component that comprises at least 25 wt% boron and silicon for decreasing a melting temperature of the first metal part; bringing the second metal part into contact with the melting depressant composition at a contact point on said surface; heating the first and second metal parts to a temperature above 1 100 QC; and allowing a melted metal layer of the first metal component to solidify, such that a joint is obtained at the contact point. The melting depressant composition and related products are also described.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/11/2014** **1921/2014** **March 2017** **03/07/2017** **28062**

(51)	**Int. Cl. [8] B65D 39/00**
(71)	**1. CLOSURE SYSTEMS INTERNATIONAL INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. EDIE, John** **2. ELLIOTT, Daniel** **3. GREEN, Erin**
(73)	**1.** **2.**
(30)	**1. (US) 61/653,900 - 31-05-2012** **2. (PCT/US2013/043528) – 31-05-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**CLOSURE WITH APPLICATION GUIDE**
	Patent Period Started From 31/05/2013 and Will end on 30/05/2033

(57) A plastic closure includes a top wall portion, and an annular depending skirt portion having at least one internal thread formation, in order to facilitate high-speed closure application to an associated container, the closure includes an application guide feature positioned in circumferentially spaced relationship to a thread start of the internal thread formation of the closure. The application guide feature is configured to engage the lower surface of an external thread formation of the associated container, whereby cocking, tilting, and other misalignment of the closure is avoided as it is applied to the container with high-speed application equipment.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/09/2013** **1443/2013** **February 2017** **03/07/2017** **28063**

(51)	**Int. Cl. [8] F24J 2/10**
(71)	**1. RIOGLASS SOLAR, S.A. (SPAIN)** **2.** **3.**
(72)	**1. AINZ IBARRONDO, Felix** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 11382068.2 - 14-03-2011** **2. (PCT/ES2012/070166) – 14-03-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**REFLECTOR ELEMENT AND METHOD AND SYSTEM FOR THE PRODUCTION THEREOF**
	Patent Period Started From 14/03/2012and Will end on 13/03/2032

(57) The present invention relates to a reflective element for solar fields, having a sandwich-type structure, comprising a reflective sheet, a reinforcement sheet and a layer of foam arranged between the reflective sheet and the reinforcement sheet. The method of manufacturing the reflective element is performed in a press with first and second approximation means, with the following steps: heating the first approximation means to a temperature T1, arranging a reflective sheet on the first approximation means and acquiring the temperature T1, arranging separating means in the periphery of the reflective sheet, arranging a reinforcement sheet in contact with said separating means, heating the second approximation means to a temperature T2 different from T1, moving the approximation means closer to one another, the second approximation means contacting with the reinforcement sheet and acquiring the temperature T2, and providing a foamable material filling the gap between both sheets, subjecting them to pressure, and the foamable material acquiring its final consistency in the form of a substantially rigid layer of foam adhered to both sheets.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/08/2014** **1352/2014** **March 2007** **03/07/2017** **28064**

(51)	**Int. Cl. [8] A01B 79/00 & A01C 21/00 & G01N 1/14**
(71)	**1. AGQ TECHNOLOGICAL CORPORATE S.A (SPAIN)** **2.** **3.**
(72)	**1. MARTINEZ, Estanislao, Martinez, PH.D** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/603,680 - 27-02-2012** **2. (PCT/IB2012/002718) – 18-10-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) MONITORING AND CONTROL OF SOIL CONDITIONS

Patent Period Started From 18/10/2012 and Will end on 17/10/2032

(57) Various methods are provided for monitoring and control of soil conditions. In one example, among others, a method includes obtaining aqueous samples from suction probes within a soil substrate and analyzing the aqueous samples to determine a chemical composition of the soil substrate. Amounts of an additive may be determined to adjust the chemical composition of the soil substrate. In another example, a method includes installing a suction probe within a soil substrate; drawing a vacuum to induce hydraulic conduction of aqueous solutions from the soil substrate; extracting an aqueous sample; and analyzing the aqueous sample to determine a chemical composition of the soil substrate. In another example, a method includes obtaining a composition of a fertilizer solution supplied to a soil substrate and a chemical composition within the soil substrate; determining nutrient utilization, and providing an amount of additive to produce a subsequent FS for supply.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/08/2014** **1298/2014** **March 2017** **03/07/2017** **28065**

(51)	**Int. Cl. [8] C01B 1/00**
(71)	**1. MOHAMED MAHMOUD MOHAMED YAHIA (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED MAHMOUD MOHAMED YAHIA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) COMBINATION FOR CONTROLLING FRUIT FLY AND PEACH FLY

Patent Period Started From 12/08/2014 and Will end on 11/08/2034

(57) This invention relates to a combination for Drosophila & Bactrocera Zonata control comprises of a mixture of calcium chloride & Boric acid (Borax) .said combination is sprayed on trees via 600 L atomizer, which sprays fly repellent odor on fruits without any side effects on health.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/03/2014** **0343/2014** **February 2017** **03/07/2017** **28066**

(51)	**Int. Cl. [8] D05B 9/10, 15/92**
(71)	**1. LONATI S.P.A.(ITALY)** **2.** **3.**
(72)	**1. LONATI, Ettore** **2. LONATI, Tiberio** **3. LONATI, Fausto**
(73)	**1.** **2.**
(30)	**1. (IT) MI2011A001686 - 19-09-2011** **2. (PCT/EP2012/064423) – 23-07-2012** **3.**
(74)	**MAGDA HAROUN, NADIA HAROUN**
(12)	**Patent**

(54) DOUBLE-CYLINDER CIRCULAR MACHINE, PARTICULARLY FOR KNITTING HOSIERY ITEMS OR THE LIKE, WITH SIMPLIFIED ACTUATION MECHANISM

Patent Period Started From 23/07/2012 and Will end on 22/07/2032

(57) A double-cylinder circular machine, particularly for knitting hosiery items or the like, with simplified actuation mechanism, comprising a supporting structure which comprises a footing, which supports, rotatably about its vertically oriented axis, a lower needle cylinder, and a column which extends substantially vertically, protrudes upwardly from the footing and supports, rotatably about its own axis, an upper needle cylinder, which is arranged above and coaxially with respect to the lower needle cylinder, the machine further comprising means for the actuation of the lower needle cylinder and of the upper needle cylinder with a rotary motion about the common axis, the actuation means comprising an electric motor which is connected kinematically to the lower needle cylinder and to the upper needle cylinder and is accommodated inside the column.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/09/2014** **1434/2014** **March 2007** **03/07/2017** **28067**

(51)	**Int. Cl. [8] B66B 5/20**	
(71)	**1. INVENTIO AG (SWITEZRLAND)** **2.** **3.**	
(72)	**1. OSMANBASIC,faruk** **2. HEINI, Miriam** **3. KOLLROS, Quirin**	**4. BARMETTLER, Simon**
(73)	**1.** **2.**	
(30)	**1. (EP) 12160396.3 - 20-03-2012** **2. (PCT/EP2013/054689) – 08-03-2013** **3.**	
(74)	**MAGDA HAROUN**	
(12)	**Patent**	

(54)	**CATCH DEVICE IN A LIFT SYSTEM**
	Patent Period Started From 08/03/2013 and Will end on 07/03/2033

(57) The invention relates to a catch device on the load suspension means of a lift system, comprising a braking device which interacts with a guide rail of the load suspension means The braking device comprises a cam disk which can be rotated about a cam disk axis and which is caused to activate the catch device to rotate about an activation angle of rotation, wherein the cam disk is designed in such a way that the cam disk, as a result of the rotation about the activation angle of rotation, comes into contact with the guide rail, whereby the guide rail, which moves relative to the catch device when the load suspension means is travelling, rotates the cam disk into a position into which the braking deice and hence the catch device produces an intended braking action with respect to the guide rail. The catch device comprises an electrically controlled activating mechanism with a pivotably mounted activating lever and an activating spring which, if required, causes the cam disk to rotate about the activation angle of rotation via the activating lever.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/09/2014** **1440/2014** **March 2017** **04/07/2017** **28068**

(51)	**Int. Cl. [8] C04B 7/13, 20/02, 28/04**
(71)	**1. PROCEDO ENTERPRISES ETABLISSEMENT (LIECHTENSTEIN)** **2.** **3.**
(72)	**1. RONIN Vladimir** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (SE) 1250225-8 - 12-03-2012** **2. (PCT/EP2013/054907) – 11-03-2013** **3.**
(74)	**NAZEH ACHENOK SADEK**
(12)	**Patent**

(54)	**METHOD FOR MANUFACTURING OF SUPPLEMENTARY CEMENTITIOUS MATERIALS (SCMS)**
	Patent Period Started From 11/03/2013 and Will end on 10/03/2033

(57)

The current invention relates to the process of manufacturing complementary cement materials to replace Portland cement in the production of concrete and mortar, with natural bauxalan cement materials in the form of rocks and ash. The invention states that the bosilan in the molten state undergoes high-energy mechanical processing by milling in a grinding machine. The buzlan molecules receive mechanical pulses and the grinding is performed for a specified period of time, resulting in compressive strength of 2-inch cube of mortar, 80% Portland cement and 20 In addition to the water required to obtain the mortar flow according to ASTM C 109 standard for a suitable pressure in the presence of vibration and hardening at 20 ° C tightly, after 18 days it reaches more than or equal to 75% of the strength Compression of a 2-inch cube, treated as a telescope, from the Framework content on Portland Cement ratio: Sand 1: 2.75 In addition to the water corresponding to 48.5 from Portland cement weight.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/12/2011** **2055/2011** **March 2017** **04/07/2017** **28069**

(51)	**Int. Cl. [8] F25J 3/00**	
(71)	**1. ORTLOFF ENGINEERS, LTD (UNITED STATES OF AMERICA)** **2. S.M E. PRODUCTS LP(UNITED STATES OF AMERICA)** **3.**	
(72)	**1. JOHNKE, Andrew F** **2. LEWIS, W. Larry** **3. TYLER, L. Don** **4. WILKINSON, John D**	**5. LYNCH, Joe T** **6. HUDSON, Hank M.** **7. CUELLAR, Kyle T**
(73)	**1.** **2.**	
(30)	**1. (US) 12/750,862 - 31-03-2010** **2. (US) 12/772,472 - 03-05-2010** **3. (US) 12/781,259 -17-05-2010** **4. (US) 13/048,315 - 15-03-2011** **5. (US) 13/051,682 -18-03-2011** **6. (US) 13/052,348 - 21-03-2011** **7. (US) 13/052,575 - 21-03-2011** **8. (US) 13/053,792 - 22-03-2011** **9. (PCT/US2010/0029331) - 31-03-2010** **10. (PCT/US2010/0033374) - 03-05-2010** **11. (PCT/US2010/0035121) - 17-05-2010** **12. (PCT/US2011/0028872) - 17-05-2010** **13. (PCT/US2011/0029034) - 18-03-2011** **14. (PCT/US2011/0029234) - 21-03-2011** **15. (PCT/US2011/0029239) - 21-03-2011** **16. (PCT/US2011/029409) - 22-03-2011**	
(74)	**NAHED WADIH RIZK**	
(12)	**Patent**	

(54)	**HYDROCARBON GAS PROCESSING**
	Patent Period Started From 22/03/2011 and Will end on 21/03/2031

(57) A process and an apparatus are disclosed for a compact processing assembly to recover C2 (or C3) and heavier hydrocarbon components from a hydrocarbon gas stream. The gas stream is cooled and divided into first and second streams. The first stream is further cooled, expanded to lower pressure, heated, and its liquid fraction is supplied as a first top feed to an absorbing means. The second stream is expanded to lower pressure and supplied as a bottom feed to the absorbing means. A distillation vapor stream from the absorbing means is combined with the vapor fraction of the first stream, then cooled by the expanded first stream to form a condensed stream that is supplied as a second top feed to the absorbing means. A distillation liquid stream from the bottom of the absorbing means is heated in a heat and mass transfer means to strip out its volatile components.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/12/2011** **2040/2011** **March 2017** **04/07/2017** **28070**

(51)	**Int. Cl. [8] H04B 17/00**
(71)	**1. TELEFONAKTIEBOLAGET L M ERICSSON (PUBL (SWEDEN)** **2.** **3.**
(72)	**1. LINDOFF, Bengt** **2. JADING, Ylva** **3. MÜLLER, Walter**
(73)	**1.** **2.**
(30)	**1. (US) 12/564,292 - 22-09-2009** **2. (US) 61/185,101 - 08-06-2009** **3. (PCT/EP2010/057239) – 26-05-2010**
(74)	**NAHED WADIH RIZK**
(12)	**Patent**

(54) SIGNAL MEASUREMENTS BASED ON SYNC SIGNALS

Patent Period Started From 26/05/2010 and Will end on 25/05/2030

(57) Methods and apparatus for determining a load estimate in a receiver in an orthogonal frequency division multiplex (OFDM) communication system include detecting at least one OFDM symbol of at least one predetermined synchronization signal; determining a signal strength measure based on the detected at least one synchronization symbol; detecting at least one OFDM symbol nearby to the OFDM symbol of the at least one predetermined synchronization signal; determining a total signal power measure based on the detected at least one nearby OFDM symbol; and determining the load estimate based on the signal strength measure and the total signal power measure.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/08/2009** **1167/2009** **March 2017** **04/07/2017** **28071**

(51)	**Int. Cl. [8] H04L 12/56 & H04Q 7/22**	
(71)	**1. TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) (SWEDEN)** **2.** **3.**	
(72)	**1. LUNDH, Peter** **2. WIDEGREN, INA Birgitta** **3. LUNDH, Peter**	**4. LARMO, Anna** **5. NADAS, Szilveszter**
(73)	**1.** **2.**	
(30)	**1. (SE) 0700302-3 - 06-02-2007** **2. (PCT/ES2008/050016) – 07-01-2007** **3.**	
(74)	**NAHED WADIH RIZK**	
(12)	**Patent**	

(54) FLEXIBLE RADIO LINK CONTROL PACKET DATA UNIT LENGTH

Patent Period Started From 07/01/2007 and Will end on 06/01/2027

(57) A first device in a High Speed Downlink Packet Access environment may generate a High Speed Downlink Shared Channel data frame that includes a group of packet data units, where a first packet data unit of the group of packet data units is of a different length than a second packet data unit of the group of packet data units. The first device may further transfer the High Speed Downlink Shared Channel data frame to a second device.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/08/2013** **1325/2013** **March 2017** **04/07/2017** **28072**

(51)	**Int. Cl. [8] H04B, 7/06, 17/00 & H04L 1/00 & H04W 72/12**	
(71)	**1. TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) (SWEDEN)** **2.** **3.**	
(72)	**1. ASPLUND, Henrik** **2. ASTELY, David** **3. FROBERG OLSSON, Jonas**	**4. LARSSON, Kjell**
(73)	**1.** **2.**	
(30)	**1. (PCT/EP2011/055015) – 31-03-2011** **2.** **3.**	
(74)	**NAHED WADIH RIZK**	
(12)	**Patent**	

(54) METHOD AND NETWORK NODE FOR DETERMINING CHANNEL STATE INFORMATION IN AN UPCOMING TIME SLOT

Patent Period Started From 31/03/2011 and Will end on 30/03/2031

(57) A method and a network node for determining first channel state information in an upcoming time slot for use by a first radio network node when determining a set of radio transmission parameters for a transmission between the first radio network node and a second radio network node are provided. The network node receives second channel state information for said upcoming time slot. Furthermore, the network node determines third channel state information for said upcoming time slot. The second and third channel state information are at least partly non-overlapping with each other. Next, the network node determines the first channel state information, for said upcoming time slot, based on the second channel state information and the third channel state information.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/12/2014** **2071/2014** **March 2017** **04/07/2017** **28073**

(51)	**Int. Cl. [8] A61L 2/00, 2/20 & B01B 1/00**
(71)	**1. XEDA INTERNATIONAL S.A. (FRANCE)** **2.** **3.**
(72)	**1. SARDO, Alberto** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 1255999 - 25-06-2012** **2. (PCT/EP2013/062924) – 20-06-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**DEVICE FOR EVAPORATING A LIQUID AND ASSOCIATED METHOD**
	Patent Period Started From 20/06/2013 and Will end on 19/06/2033

(57) This device for evaporating a liquid comprising: - a reservoir containing the liquid; - an absorption member for absorbing the liquid; and - a member producing a gas stream, the gas stream being directed towards the absorption member; is characterised in that the absorption member comprises a plurality of absorbent strips designed to hold the liquid.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/12/2014** **2094/2014** **March 2017** **04/07/2017** **28074**

(51)	**Int. Cl. [8] C23C 4/08, 4/18, 28/00& F16L 58/10**
(71)	**1. SAINT-GOBAIN PAM (FRANCE)** **2.** **3.**
(72)	**1. BONDIL, Olivier** **2. NOUAIL, Gérard** **3. PEDEUTOUR, Jean-Marc**
(73)	**1.** **2.**
(30)	**1. (FR) 1256268 - 29-06-2012** **2. (PCT/EP2013/063717) – 28-06-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) OUTER COATING FOR AN UNDERGROUND PIPING MEMBER MADE FROM IRON, COATED PIPING MEMBER AND METHOD FOR DEPOSITING THE COATING

Patent Period Started From 28/06/2013 and Will end on 27/06/2033

(57) An outer coating for an underground piping member made from iron, in particular cast iron, the outer coating comprising a first porous layer and a second porous layer disposed on the first layer and capable of plugging the pores of the first layer, the outer coating being characterised in that: the first layer comprises substantially pure zinc or an alloy or pseudo-alloy of zinc, the alloy or pseudo-alloy comprising, in terms of mass, at least 50% zinc, and preferably between 0.5% and 40% aluminium, and the second layer comprises a one-component paint in the aqueous phase made from at least one synthetic resin emulsion, dispersed or dissolved in water. A corresponding coated piping member and method for depositing the coating.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/12/2013** **1876/2013** **March 2017** **04/07/2017** **28075**

(51)	**Int. Cl. [8] E05F 15/00, 15/20 & G07C 9/00**
(71)	**1. THALES (FRANCE)** **2.** **3.**
(72)	**1. RAYNAL, Christophe** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 11 01768 - 09-06-2011** **2. (PCT/EP2012/060574) – 05-06-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) SYSTEM FOR SUPERVISING ACCESS TO RESTRICTED AREA, AND METHOD FOR CONTROLLING SUCH A SYSTEM

Patent Period Started From 05/06/2012 and Will end on 04/06/2032

(57) The invention relates to a system for supervising access to a restricted area, including at least one obstacle that is mobile between a deployed configuration, in which said obstacle extends across a passageway for the entry and/or exit to/from said restricted area, and a stowed configuration in which said obstacle is removed from said passageway. The system also includes a means for driving the obstacle between the deployed configuration and the stowed configuration, a device for measuring the position of the obstacle, and a module for controlling the drive means. The control module is suitable for comparing the measured position (Pm) of the obstacle at at least one moment in time with a theoretical position of the obstacle at said moment in time, and to derive a rule for controlling the drive means.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/09/2013** **1512/2013** **March 2017** **04/07/2017** **28076**

(51)	**Int. Cl. [8] E01H 1/08**
(71)	**1. CRYSTAL LAGOONS (CURACAO) B.V (NETHERLANDS)** **2.** **3.**
(72)	**1. FISCHMANN T., Fernando** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/469,526 - 30-03-2011** **2. (US) 13/195,695 - 01-08-2011** **3. (PCT/US2011/051229) – 12-09-2011**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) A METHOD FOR PROVIDING HIGH MICROBIOLOGICAL QUALITY COOLING WATER TO AN INDUSTRIAL PROCESS

Patent Period Started From 12/09/2011 and Will end on 11/09/2031

(57) A method for treating water and using the treated water for the cooling of industrial processes is disclosed. The water is treated and stored in a large container or artificial lagoon, has high clarity and high microbiological quality. The large container or artificial lagoon can act as a heat sink, absorbing waste heat from the industrial cooling process, thus creating thermal energy reservoirs in a sustainable manner, which can be later used for other purposes. The method can be used in any industrial cooling system with any type of water available, including fresh water, brackish water, and seawater .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/11/2014** **1773/2014** **March 2017** **04/07/2017** **28077**

(51)	**Int. Cl. [8] C01B 3/02**
(71)	**1. CASALE SA (SWITZERLAND)** **2.** **3.**
(72)	**1. FILIPPI, Ermanno** **2. OSTUNI, Raffaele** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 12166958.4 - 07-05-2012** **2. (PCT/EP2013/052532) – 08-02-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHOD OF REVAMPING OF AN AMMONIA PLANT FED WITH NATURAL GAS**
	Patent Period Started From 08/02/2013 and Will end on 07/02/2033

(57) A method of revamping of an ammonia plant fed with natural gas comprising a primary reformer and a secondary reformer, the method comprising at least the following interventions: reducing the outlet temperature of the gas flowing out from said primary reformer; adding a feeding line of substantially pure oxygen directed to said secondary reformer to at least partially replace the comburent process air; adding a nitrogen injection line in an amount necessary to obtain a make-up gas suitable for ammonia synthesis.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/01/2010** **1824/2010 D3** **March 2017** **05/07/2017** **28078**

(51)	**Int. Cl. [8] C02F 1/44, 3/12 & B01D 61/02, 61/14, 61/58**	
(71)	**1. KOBELCO ECO-SOLUTIONS CO., LTD (JAPAN)** **2.** **3.**	
(72)	**1. ITO, YUTAKA** **2. MOTOJIMA, KATSUHIDE** **3. UEMATSU, Kazuya** **4. NOSHITA, Masanobu** **5. TAKATA, Kazutaka**	**6. SHIMADA, MITSUSHIGE** **7. MANABE, MEGUMI** **8. MIYAOKA, NOBORU** **9. TAKESAKA, KENJI**
(73)	**1.** **2.**	
(30)	**1. (JP) 2008-304623 - 28-11-2008** **2. (JP) 2009-031819 - 03-02-2009** **3. (JP) 2009-031861 - 03-02-2009** **(JP) 2009-032073 - 04-02-2009** **(JP) 2009-032075 - 04-02-2009** **(PCT/JP2009/069932) – 26-11-2009**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54)	**SEA WATER DESALINTING METHOD**
	Patent Period Started From26/11/2009 and Will end on25/11/2029

(57) Disclosed is a fresh water production method which can produce clarified water such as fresh water from non-clarified water such as sea water with high efficiency. Specifically disclosed is a fresh water production method for producing fresh water by means of reverse osmosis filtration. The method comprises mixing low-salt-concentration water having a lower salt concentration than that of sea water with sea water to produce a water mixture and subsequently subjecting the water mixture to reverse osmosis filtration, thereby producing fresh water.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/01/2012** **0052/2012** **March 2017** **05/07/2017** **28079**

(51)	**Int. Cl. [8] C21B 3/06, 5/00, 5/06, 7/16**
(71)	**1. CENTRAL IRON & STEEL RESEARCH INSTITUTE (CHINA)** **2. SHANDONG COKING GROUP CO., LTD (CHINA)** **3. SHANDONG TIEXIONG ENERGYCOALCHEMICAL LO.LTD (CHINA)**
(72)	**1. GUO, Peimin** **2. QI, Yuanhong** **3. YAN, Dingliu** **4. WANG, Qingtao**
(73)	**1.** **2.**
(30)	**1. (CN) 200910223598 - 24-11-2009** **2. (CN) 201010120801.3 - 10-03-2010** **3. (CN) 4 . 201010146443 - 14-04-2010** **4. (PCT/CN/2010/076462) – 30-08-2010**
(74)	**Hoda abd El hadi**
(12)	**Patent**

(54)	**METHOD FOR IRON-MAKING WITH FULL OXYGEN AND HYDROGEN-RICH GAS AND EQUIPMENT THEREOF**
	Patent Period Started From 30/08/2010 and Will end on 29/08/2030

(57) A method for iron-making with full oxygen and hydrogen-rich gas comprises hot conveying and hot charging coke, agglomerate and pellet with high temperature into a blast furnacethrough conveying and charging devices, injecting oxygen and hydrogen-rich combustible gas with certain temperature into the blast furnacethrough oxygen tuyeres and gas tuyeres set on the blast furnacerespectively Equipment of iron-making with full oxygen and hydrogen-rich gas is also provided, which comprises a raw material system, a gas system set on top of a furnace, a coke furnace gas injecting system, a dust injecting system, a furnace slag dry granulating and waste heat recovering system, and an oxygen system(ll) In addition, equipment and a method for hot conveying and hot charging raw material of iron-making are also provided

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/02/2013** **0234/2013** **February 2017** **05/07/2017** **28080**

(51)	**Int. Cl. [8] C21B 3/06 & C04B 5/00. 35/653 & B28B 1/52 & C03B 18/00**	
(71)	**1. SHANDONG COKING GROUP CO., LTD. (CHINA)** **2.** **3.**	
(72)	**1. ZHAO, Xin** **2. WANG, Qingtao** **3. LI, Yueyun** **4. YU, Xianjin**	**5. WEI, Zhenxia** **6. MING, Jun** **7. GONG, Benkui**
(73)	**1.** **2.**	
(30)	**1. (CN) 201010293061.3 - 27-09-2010** **2. (PCT/CN2011/079895) – 20-09-2011** **3.**	
(74)	**ABD ELHADY**	
(12)	**Patent**	

(54) METHOD FOR MANUFACTURING REDUCTIVE STONE MATERIAL USING MOLTEN SLAG

Patent Period Started From 20/09/2011 and Will end on 19/09/2031

(57) A method for manufacturing a reductive stone material using a molten slag. The method comprises these steps: controlling the molten slag at a temperature between 1400C and 1500C, and cast molding at a controlled temperature; thermally insulating the molded molten slag at a temperature between 800C and 1000C in a non-reductive atmosphere for one to five hours, and then cooling gradually to room temperature within two to five hours to acquire the reductive stone material. The method provides an energy conserving and high efficiency way of utilizing blast furnace slag. The reductive stone material produced is characterized by color stability, wear resistance, pressure resistance, non-flakiness, a low expansion coefficient, and a low contractibility rate.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/08/2010** **1430/2010** **January 2017** **06/07/2017** **28081**

(51)	**Int. Cl. [8] E21B 43/22**	
(71)	**1. BAKER HUGHES INCORPORATED(UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. HART, Paul, Robert** **2. STEFAN, Brian, J** **3. SRIVASTAVA, Piyush**	**4. DEBORD, Justin, D**
(73)	**1.** **2.**	
(30)	**1. (US) 61/032,297 - 28-02-2008** **2. (US) 12/330,112 - 08-12-2008** **3. (PCT/US2009/031791) – 23-01-2009**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) METHOD FOR ENHANCING HEAVY HYDROCARBON RECOVERY

Patent Period Started From 23/01/2009 and Will end on 22/01/2029

(57) Amines or ammonia and amines may be used to enhance recovery of heavy hydrocarbons. The amines or ammonia and amines alone or with water, steam or an oil solvent are combined with the heavy hydrocarbons to promote the transport of the heavy hydrocarbons. The amines or ammonia and amines may be injected downhole or admixed with heavy hydrocarbon containing ore on the surface, optionally with water or steam Ammonia may be used alone with high quality steam.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/01/2014** **0006/2014** **March 2017** **06/07/2017** **28082**

(51)	**Int. Cl. [8] B65B 13/00**	
(71)	**1. Ayman Nadi Radi Abdullah (Egypt)** **2.** **3.**	
(72)	**1. Ayman Nadi Radi Abdullah** **2.** **3.**	
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)		
(12)	**Utility Model**	

(54)	**Sanding machine for narrow places and fronts**
	Patent Period Started From 01/01/2014 and Will end on 31/12/2020

(57)

This invention is related to a corner and tilt cone machine. It is based on a wheel frame that holds the water tank and the water pump machine. The machine controls the machine's descent during operation and ascension and then moves through the frame at the top of the surface in order to defrost the other part. The oyster machine adopts a large engine that manages a main rotary column with magnets The machine has other magnets mounted on poles installed on the beams. When the main rotor shaft is managed through the main magnetic field, this leads to the movement of the columns in which the cement cement part is attached and the part that is attached to it is the shield, The wall and the special part softens the mortar and takes the movement of the same motor..

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/04/2015** **0568/2015** **February 2017** **09/07/2017** **28083**

(51)	**Int. Cl. [8] C09C 1/02**	
(71)	**1. OMYA INTERNATIONAL AG (SWITZERLAND)** **2.** **3.**	
(72)	**1. RENTSCH, Samuel** **2. BURI, Matthias** **3. BLUM, Rene Vinzenz**	**4. BRUNNER, Martin** **5. GANE, Patrick A. C**
(73)	**1.** **2.**	
(30)	**1. (EP) 12188739.2 - 16-10-2012** **2. (US) 61/717,135 - 23-10-2012** **3. (PCT/EP2013/071185) – 10-10-2013**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) PROCESS OF CONTROLLED CHEMICAL REACTION OF A SOLID FILLER MATERIAL SURFACE AND ADDITIVES TO PRODUCE A SURFACE TREATED FILLER MATERIAL PRODUCT

Patent Period Started From 10/10/2013 and Will end on 09/10/2033

(57) The present invention relates to a process for preparing a surface treated filler material product with succinic anhydride(s), a surface treated filler material product, a polymer composition, a fiber and/or filament and/or film and/or thread comprising the surface treated filler material product and/or the polymer composition, an article comprising the surface treated filler material product and/or the polymer composition and/or the fiber and/or filament and/or film and/or thread as well as the use of a mono-substituted succinic anhydride for decreasing the hydrophilicity of a calcium carbonate-containing filler material surface and the use of a surface-treated filler material product for initiating the crosslinking reaction in epoxide resins.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/01/2014** **0041/2014** **March 2017** **09/07/2017** **28084**

(51)	**Int. Cl. [8] C02F 1/00, 1/76, 1/72, 1/78, 1/50**
(71)	**1. CRYSTAL LAGOONS (CURACAO) B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. FISCHMANN, Fernando Benjamin** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/EP2012/076170) – 19-12-2012** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**LOCAIZED DESIVFECTION SYSTEM FOR LARGE WATER BODIES**
	Patent Period Started From 19/12/2012 and Will end on 18/12/3032

(57) The present disclosure relates to a method for controlling the microbiological properties of a portion of water within a large body of water by treating such zone with chemical agents, according to the temperature of the water, its salinity, its dilution power and the diffusion of chemicals within the large water body.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/10/2014** **1594/2014** **March 2017** **09/07/2017** **28085**

(51)	**Int. Cl. [8] A23L 1/30, 1/305, 1/29**	
(71)	**1. HERO AG (SWITZERLAND)** **2.** **3.**	
(72)	**1. LONNERDAL , Bo** **2. HERNELL, Olle** **3. SJOBERG, Lars-Borje**	**4. TENNEFORS, Catharina**
(73)	**1.** **2.**	
(30)	**1. (SE) 1250357-9 - 10-04-2012** **2. (PCT/EP2013/057405) – 09-04-2013** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) A NUTRITIONAL COMPOSITION

Patent Period Started From 09/04/2013 and Will end on 08/04/2033

(57) The present invention concerns the field of nutritional compositions and concerns a nutritional composition, use of a nutritional composition and a production method thereof. A nutritional composition according to the present invention has a total energy content of 67 kcal/100 ml or lower and the composition comprises; -a protein content which is 1.25 g/100 ml or lower, -an energy content from protein of 7.-23-8.4 percent of the total energy content of the nutritional composition, -an energy content from fat which is at least 49 percent or more of the total energy content of the nutritional composition, -a medium chain fatty acid content comprising 8 to 10 carbons which is less than 3 weight % of total amount of fatty acids, -a sialic acid content of 10-25 mg/ 100 ml or higher, -a cholesterol content of 5-10 mg/100 ml - a sphingomyelin content of 9-15 mg/ 100 ml or higher.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/05/2009** **0669/2009** **March 2017** **09/07/2017** **28086**

(51)	**Int. Cl. [8] B07B 9/02, 11/02, 11/04**
(71)	**1. CALCARB AG (SWITZERLAND)** **2.** **3.**
(72)	**1. SCHINDLER, Ulrich** **2. BAUER, Christoph** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 10 2006 053 356.9 - 10-11-2006** **2. (PCT/DE2007/002035) – 12-11-2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHOD FOR MANUFACTURING FINE MINERAL POWDER PRODUCTS**
	Patent Period Started From 12/11/2007 and Will end on 11/11/2027

(57) Disclosed is a method for manufacturing fine mineral powder products by means of systems composed of one or more air classifiers, dust separators such as cyclones and/or filters, at least one fan, and pipes or ducts that connect said devices to conduct air. The invention is characterized in that the relative humidity of the classifying air in the air classifier is maintained within a range of 15 to 35 percent.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/08/2014** **1248/2014** **March 2017** **09/07/2017** **28087**

(51)	**Int. Cl. [8] C09C 1/02, 3/04**	
(71)	**1. OMYA INTERNATIONAL AG (SWITZERLAND)** **2.** **3.**	
(72)	**1. BURI, Matthias** **2. RENTSCH, Samuel** **3. GANE, Patrick ,A., C**	**4. BLUM, RenE Vinzenz**
(73)	**1.** **2.**	
(30)	**1. (EP) 12153877.1 - 03-02-2012** **2. (US) 61/597,201 - 10-02-2012** **3. (PCT/EP013/051331) – 24-01-2013**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) INSTALLATION FOR THE PURIFICATION OF MINERALS, PIGMENTS AND/OR FILLERS AND/OR THE PREPARATION OF PRECIPITATED EARTH ALKALI CARBONATE

Patent Period Started From 24/01/3013 and Will end on 23/01/2033

(57) The present invention relates to an installation for the purification of minerals, pigments and/or fillers and/or the preparation of precipitated earth alkali carbonate and/or mineralization of water and to the use of such an installation for the purification of minerals, pigments and/or fillers and/or mineralization of water and/or the preparation of precipitated earth alkali carbonate.

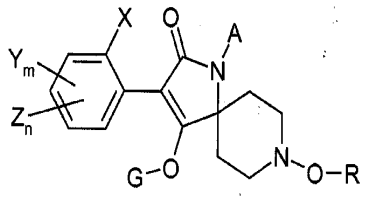
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/06/2011** **PCT/2011/000933** **February 2017** **10/07/2017** **28088**

(51)	**Int. Cl. [8] A01N 43/90, C07D 471/10 , 211/94**		
(71)	**1. SYNGENTA PARTICIPATIONS AG(ZWITZERLAND)** **2. SYNGENTA LIMITED (UNITED KINGDOM)** **3.**		
	2. MUEHLEBACH, Michel **3. PITTERNA Thomas** **CASSAYRE, Jerome Yves**	**4. EDMUNDS, Andrew** **5. CORSI, Camilla** **6. EL Qacemi, Myriem**	**7. JEANGUENAT, Andre** **8. HALL, Roger**
(73)	**1.** **2.**		
(30)	**1. (GB) 0822748.0 - 12-12-2008** **2. (GB) 0905237.4 - 26-03-2009** **3. (PCT/EP2009/06670) – 09-12-2009**		
(74)	**NAHED WADIH RIZK**		
(12)	**Patent**		

(54) SPIROHETEROCYCLIC N-OXYPIPERIDINES AS PESTICIDES

Patent Period Started From 09/12/2009 and Will end on8/12/2029

(57) A compound of the formula (I), wherein the substituents are as defined in claim 1, are useful as a pesticides.



(I)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/12/2010** **2155/2010** **January 2017** **11/07/2017** **28089**

(51)	**Int. Cl. [8] F16l 1/19**	
(71)	**1. SAIPEM SPA (ITALY)** **2.** **3.**	
(72)	**1. LEGAIGNOUX, HervE, Jean, FranCoi** **2. BAYLOT, Michel, Pierre** **3. HUOT, Emmanuel**	**4. ARDAVANIS, Kimon, Tullio**
(73)	**1.** **2.**	
(30)	**1. (GB) 0811437.3 - 20-06-2008** **2. (PCT/EP2009/057698) – 19-06-2009** **3.**	
(74)	**MAHMOUD RAGAEY ELDEKY**	
(12)	**Patent**	

(54) PIPE-LAYING VESSEL AND METHOD OF LAYING A PIPELINE

Patent Period Started From 19/06/2009 and Will end on 18/06/2029

(57) A pipe-laying vessel is provided, including a tower extending upwardly from the vessel, a pipe loading arm for raising a length of pipe from the deck to a position aligned with the tower. The pipe-laying vessel may also include a support assembly for supporting a bulky item to be accommodated along the pipeline, the support assembly including a frame pivotable between a first load receiving position and a second tilted position in which it extends approximately parallel to the tower, and drive means for pivoting the tiltable frame between its first and second positions. The pipe-laying vessel may alternatively or additionally include a welding assembly station cabin in the region of a lower portion of the tower, a movable support assembly for supporting a bulky item to be accommodated along the pipeline, the movable support assembly being disposed on top of the cabin.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/03/2014** **0443/2014** **January 2017** **11/07/2017** **28090**

(51)	**Int. Cl. [8] D04B 9/14 & D01H 5/50**
(71)	**1. KONIG, Reinhard (GERMANY)** **2.** **3.**
(72)	**1. KONIG, Reinhard** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/DE2011/001770) - 21-09-2011** **2. (PCT/EP2012/003918) – 20-09-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) FOLDING DRAWING SYSTEM FOR A SPIN-KNIT MACHINE

Patent Period Started From 21/09/2011 and Will end on 21/09/2031

(57) The invention relates to a folding drawing system for a spin-knit machine having two work stations, comprising sequentially: two pressure arms, which in a pre-drafting zone are each provided with a frame that is oscillatingly mounted, wherein the oscillatingly mounted frame supports two rollers, further comprising a long pressure arm having a oscillatingly mounted roller of a third roller pair, and a lower reversing rail of a reversing rail pair, and comprising a short pressure arm having an oscillatingly mounted roller of an exit roller pair.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/01/2015** **0135/2015** **January 2017** **11/07/2017** **28091**

(51)	**Int. Cl. [8] A61K 8/02, 8/24, 8/29 & A61Q 11/00 & B01J 35/00 & C09C 1/00, 1/02**	
(71)	**1. COSWELL S.P.A. (ITALY)** **2.** **3.**	
(72)	**1. GUALANDI, Paolo** **2. GUALANDI, Andrea** **3. GUALANDI, Jacopo** **4. GUALANDI, Michele** **5. LELLI, Marco** **6. MARCHETTI, Marco**	**7. PIERINI, Filippo** **8. ROVERI, Norberto** **9. MERLI, Selene** **10. MONTEBUGNOLI, Giulia** **11. RINALDI, Francesca** **12. D'AMEN, Eros**
(73)	**1.** **2.**	
(30)	**1. (IT) MI2012A001310 - 26-07-2012** **2. (PCT/IB2013/055116) – 21-06-2013** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54)	**ORAL CARE AND ORAL HYGIENE PRODUCTS HAVING PHOTOCATALYTIC ACTIVITY COMPRISING INORGANIC PARTICLES SUPERFICIALLY FUNCTIONALISED WITH TIO2 NANOPARTICLES**
	Patent Period Started From 21/06/2013 and Will end on 20/06/2033

(57) The present invention refers to oral care and oral hygiene products having photocatalytic activity comprising particles of a calcium phosphate compound, superficially functionalised with TiO2 nanoparticles in crystalline form, said TiO2 nanoparticles having:

a) a substantially lamellar morphology;

b) an aspect ratio (AR) comprised between 5 and 30;

c) a surface structure having face (001) as outermost face of the crystalline lattice; and

d) wherein the TiO2 is in the form of anatase, optionally mixed with rutile and/or brookite.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/09/2013** **1435/2013** **January 2017** **11/07/2017** **28092**

(51)	**Int. Cl. [8] A47G 45/06**
(71)	**1. LA TERMOPLASTIC F.B.M. S.R. (ITALY)** **2.** **3.**
(72)	**1. Marco MUNARI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) MI2012A 001512 -13-09-2012** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**HANDGRIP FOR COOKING VESSELS**
	Patent Period Started From 12/09/2013 and Will end on 11/09/2033

(57) The invention describes a handgrip for a cooking vessel, usable in particular as a knob of a lid. The handgrip comprises a base element, able to be fixed to the lid or to a wall of the cooking vessel, and a gripping element or handle, snap-coupled with such a base element. The gripping element or handle is hinged with respect to the base element and can rotate from a closed or folded configuration, in which such a gripping element or handle rests on the base element in order to allow the handgrip to reduce its own size in height, to an open configuration, in which such a gripping element or handle is raised according to a right angle with respect to the base element and can be gripped in order to raise the lid or the cooking vessel on which the handgrip is applied.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/05/2013** **0846/2013** **January 2017** **11/07/2017** **28093**

(51)	**Int. Cl. [8] C05F 1/00 & C05G 3/00, 3/04**
(71)	**1. INCINERATOR REPLACEMENT TECHNOLOGY LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. MORRIS-WATSON, Michael** **2. GHAREGHANI, Arjomand, Mohammadi** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 1019417,3 17-11-2010** **2. (PCT/GB2011/052243) – 17-11-2011** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESSING METHOD FOR BIOLOGICAL MATERIAL TO PRODUCE A WATER - RETAINING POLYMER COMPLEX

Patent Period Started From 17/11/2011 and Will end on 16/11/2031

(57) A method of processing biological material comprising dead animal or human material into a water-retaining polymer complex, said method comprising the steps of: (a) providing a composition comprising said biological material, an alkaline solution and a monomer that polymerises to form a water-retaining polymer; and (b) adding a polymerisation agent to form a water-retaining polymer complex.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/12/2010** **2051/2010** **January 2017** **11/07/2017** **28094**

(51)	**Int. Cl. [8] F28D 7/00 , 7/02**
(71)	**1. LUMMUS TECHNOLOGY INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. KARRS, Mark, S** **2. CHUNANGAD, Krishnan, S** **3. MASTER, Bashir, I.**
(73)	**1.** **2.**
(30)	**1. (US) 12/133.917 - 05-06-2008** **2. (PCT/US2009/044605) – 20-05-2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) VERTICAL COMBINED FEED/EFFLUENT HEAT EXCHANGER WITH VARIABLE BAFFLE ANGLE

Patent Period Started From 20/05/2009 and Will end on 19/05/2029

(57) A shell and tube heat exchanger, such as a vertical combined feed / effluent heat exchanger (VCFE), including: a shell having a fluid inlet and a fluid outlet; a plurality of baffles mounted in the shell to guide the fluid into a helical flow pattern through the shell; wherein a helix angle alfa of A baffle proximate the inlet is different than a helix angle beta of a baffle proximate the outlet .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/05/2009** **0798/2009** **January 2017** **12/07/2017** **28095**

(51)	**Int. Cl. [8] C12N 15/82, 9/10 & A01H 5/00, 1/00**	
(71)	**1. ATHENIX CORPORATION (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. SCHOUTEN,LAURA,COOPER** **2. PETERS,CHERYL** **3. VAVDE,BERG,BRIAN**	**4. HINSON,TODD** **5. BEILINSON, VADIM**
(73)	**1.** **2.**	
(30)	**1. (US) 60/861,455 - 29-11-2006** **2. (US) 60/872,200 - 01-12-2006** **3. (US) 60/972,502 - 14-09-2007** **4. (PCT/US2007/085164)- 20-11-2007**	
(74)	**SAMAR AHMAED EL LABAD**	
(12)	**Patent**	

(54) IMPROVED GRG23 EPSP SYNTHASES: COMPOSITIONS AND METHODS OF USE

Patent Period Started From 20/11/2007 and Will end on 19/11/2027

(57) This invention relates to the resistance or tolerance of herbicide to bacteria, plants, plant cells, tissues and seeds through combinations containing cryogenic nucleotides of resistant and tolerant peptides of herbicides, vectors containing these nucleotides and host cells containing vectors. The expression of DNA structures or expression groups of these nucleotide sequences within organisms, which include microorganisms and plants

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/02/2010** **0197/2010** **February 2017** **12/07/2017** **28096**

(51)	**Int. Cl. [8] H04W 74/08, 76/02, 88/00**
(71)	**1. TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) (SWEDEN)** **2.** **3.**
(72)	**1. PARKVALL, Stefan** **2. TYNDERFELDT, Tobias** **3. DAHLMAN, Erik**
(73)	**1.** **2.**
(30)	**1. (US) 11/835,782 - 08-08-2007** **2. (PCT/SE2008/050832) – 03-07-2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) A METHOD FOR MIXING AN UPLINK DURING RANDOM ACCESS

Patent Period Started From 03/07/2008 and Will end on 29/07/2028

(57) a method implemented in a user terminal for accessing a radio channel, comprising sending a random access request message as a first message including a random access preamble to a radio base station using a random access channel radio resource; receiving a random access response message as a second message from the radio base station indicating a timing change, an identified radio resource, and a user terminal identifier; selecting one of a first set of uplink scrambling sequences based on the user terminal identifier included in the random access response message;adjusting a timing at the user terminal for transmitting signals to the radio base station based on information received in the random access response message; based on the adjusted timing, transmitting a third message including a user terminal identity to the radio base station over the identified radio resource, wherein the third message is scrambled using the selected one of the first set of uplink scrambling sequences; and receiving a contention resolution message as a fourth message from the radio base station .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/12/2013** **1960/2013** **February 2017** **12/07/2017** **28097**

(51)	**Int. Cl. [8] A01N 43/80(2006.01), A01N 47/36(2006.01)A01P 13/00(2006.01)**
(71)	**1. ISHIHARA SANGYO KAISHA, LTD (JAPAN)** **2.** **3.**
(72)	**1. YAMADA, Ryu** **2. OKAMOTO, Hiroyuki** **3. TERADA, Takashi**
(73)	**1.** **2.**
(30)	**1. (JP) 2011-140452 - 24-06-2011** **2. (PCT/JP2012/066629) – 22-02-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) HERBICIDAL COMPOSITION

Patent Period Started From 22/12/2012 and Will end on 21/12/2032

(57) At present, a large number of herbicidal compositions have been developed and used. However, weeds to be controlled include a lot of kinds, and the emergence thereof extends over a long period of time. Therefore, the appearance of a herbicidal composition having a broad weed spectrum and having a high activity and a long residual effect is desired. The present invention relates to a synergistic herbicidal composition comprising (A) at least one member selected from the group consisting of flazasulfuron, nicosulfuron, and their salts and (B) pyroxasulfone or its salt. According to the synergistic herbicidal composition of the present invention, a herbicidal composition having a broad weed spectrum and having a high activity and a long residual effect can be provided.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/02/2013** **0260/2013** **February 2017** **12/07/2017** **28098**

(51)	**Int. Cl. [8] G07F 11/04 & A47F 1/12**
(71)	**1. AHMED ABD EL ALIM MAHMOUD MANSOUR DRAZ (EGYPT)** **2.** **3.**
(72)	**1. AHMED ABD EL ALIM MAHMOUD MANSOUR DRAZ** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**ALEXANDRIA UNIVERSITY FOCAL POINT**
(12)	**Patent**

(54)	**MACHINES OF AUTOMATIC MOLASSES DISTRIBUTING OF BLENDS TOBACCO OF MOLASSES (AUTOMATIC MOLASSES MACHINES)**
	Patent Period Started From 18/02/2013 and Will end on 17/02/2033

(57) Its Machines of distributing molasses of tobacco blends by a vehicle moving front and rear , on tow rows by a bistem or cylinder and bearing inside filter to purify the molasses form moistures and tow bestems moving in the front and in the rear upward and downward on the group of molasses to distribute the molasses outside and inside the tank contains of facetes connected to tank with hoses at the end off them ends to distribute the molasses fixed on a ruler at the same distance of bulk poring the molasses in order to spread out the quantity of molasses distributed regarding the time and speed schedules moving with the vehicle with an control panel or photocell to switch the photocell in order to give a signal of tanks to give the right signal to the tank to provide it with the movable machines to the wires to distribute the molasses regularly one by one.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/12/2014** **2110/2014** **March 2017** **17/07/2017** **28099**

(51)	**Int. Cl. [8] C01G 9/36**
(71)	**1. LINDE AKTIENGESELLSCHAFT (GERMANY)** **2.** **3.**
(72)	**1. SCHMIDT, Gunther** **2. FRITZ, Helmut** **3. WALTER, Stefanie**
(73)	**1.** **2.**
(30)	**1. (EP) 12005781.5 - 09-08-2012** **2. (PCT/EP2013/002298) – 01-08-2013** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) METHOD FOR CONVERTING HYDROCARBON FEEDSTOCKS INTO OLEFINIC PRODUCT FLOWS BY MEANS OF THERMAL STEAM CRACKING

Patent Period Started From 01/08/2013 and Will end on 31/07/2033

(57) The invention relates to a method for converting hydrocarbon feedstocks by means of thermal steam cracking into at least one olefinic product flow containing at least ethylene and propylene, said feedstocks being at least partially converted in at least a first cracking furnace and in at least a second furnace. According to the invention, a fresh feedstock (B) is fractioned in at least a first and a second fresh feedstock fraction (B1, B2), and the first fresh feedstock fraction (B1) is fed at least partially into the first cracking furnace and the second fresh feedstock fraction (B2) is fed at least partially into the second cracking furnace.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/02/2012** **0298/2012** **March 2017** **17/07/2017** **28100**

(51)	**Int. Cl. [8] E21B 33/12, 34/06, 43/04, 43/08**	
(71)	**1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. CLEM, Nicholas, J** **2. CORONADO, Martin, P** **3. KITZMAN, Jeffery, D**	**4. EDWARDS, Jeffry, S**
(73)	**1.** **2.**	
(30)	**1. (US) 12/553,493- 03-09-2009** **2. (PCT/US2010/046580) – 25-08-2010** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) FRACTURING AND GRAVEL PACKING TOOL WITH MULTI-POSITION LOCKABLE SLIDING SLEEVE

Patent Period Started From 25/08/2010 and Will end on 24/08/2030

(57) A fracturing and gravel packing tool has features that prevent well swabbing when the tool is picked up with respect to a set isolation packer. An upper or jet valve allows switching between the squeeze and circulation positions without risk of closing the wash pipe valve. The wash pipe valve can only be closed with multiple movements in opposed direction that occur after a predetermined force is held for a finite time to allow movement that arms the wash pipe valve. The jet valve can prevent fluid loss to the formation when being set down whether the crossover tool is supported on the packer or on the smart collet.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/12/2014** **2093/2014** **March 2017** **17/07/2017** **28101**

(51)	**Int. Cl. [8] E21B 43/12, 43/22, 33/122, 34/06**
(71)	**1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ADAM, Mark** **2. JOHNSON, Michael** **3. CLEM, Nicholas** **4. ALLEN, Jason**
(73)	**1.** **2.**
(30)	**1. (US) 61/671.530 - 13-07-2012** **2. (PCT/US2013/045570) – 13-06-2013** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) FORMATION TREATMENT SYSTEM

Patent Period Started From 13/06/2013and Will end on 12/06/2033

(57) A treatment system including a first tubular having at least one port therein. A valve member is disposed with the first tubular and operatively arranged to control fluid flow through the at least one port. A second tubular is disposed radially within the first tubular and terminates at an end opening into an interior passage of the first tubular for enabling a treatment media to be supplied through the second tubular into the first tubular, and through the at least one port when the at least one port is open. A seal assembly is disposed between the first and second tubulars for fluidly sealing an annulus formed between the first and second tubulars from the end of the second tubular. A tool is disposed with the second tubular for controlling operation of the valve member.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/08/2013** **1276/2013** **January 2017** **17/07/2017** **28102**

(51)	**Int. Cl. [8] H04M 3/42, 3/487**
(71)	**1. NICOLAESCU, GHEORGHE (REPUBLIC OF MOLDOVE)** **2.** **3.**
(72)	**1. NICOLAESCU, Gheorghe** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (MD) S2011 0195 - 17-03-2011** **2. (PCT/MD2012/000001) – 17-01-2012** **3.**
(74)	**SAMAS CO**
(12)	**Patent**

(54)	**METHOD FOR NOTIFICATION OF A CALLED SUBSCRIBER IN THE ABSENCE OF SUFFICIENT CREDIT OF THE CALLING PARTY**
	Patent Period Started From 17/01/2012 and Will end on 16/01/2032

(57) The invention relates to telephone communication, in particular to methods for notification of the called subscriber in the communication networks, namely in the absence of the calling party's valid credit account, and can be used in existing mobile telecommunications systems, including GSM, 3 GSM, 3G, CDMA, WCDMA, and others. In the method each subscriber of the network is provided with an opportunity to get network access for outgoing calls, regardless of the status of his/her account, and to accept the call and/or receive the calling subscriber's messages without the pre-paid credit account. The calling subscriber dials the phone number of the called subscriber; the operator of the calling subscriber determines his solvency; upon initiation of a call by the calling subscriber, who does not have a valid credit account, for its transmission to the called subscriber the outgoing call is directed through the operator serving the calling subscriber to a forwarding and controlling server and at its command disconnects the calling subscriber. The forwarding and controlling server processes the obtained information and forms a transit call, by the transit call through the operator serving the calling subscriber is transferred an outgoing call to the operator's network serving the called subscriber as an information call, notifying of the missed call. A notification about the missed call is created for the called subscriber, providing information about the calling subscriber, and the information call is disconnected after its receipt by the called subscriber. The result, obtained by means of the claimed method, consists in increasing the reliability and ease of communication between subscribers in an irregular situation, namely upon insolvency of the calling subscriber.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/03/2013** **0466/2013** **January 2017** **18/07/2017** **28103**

(51)	**Int. Cl. [8] F23J 2/04, 2/30, 2/34**
(71)	**1. GENERAL ELECTRIC TECHNOLOGY GMBH (SWITZERLAND)** **2.** **3.**
(72)	**1. SIMIANO Marco**
(73)	**1.** **2.**
(30)	**1. (EP) 12164759.8 - 19-04-2012** **2.** **3.**
(74)	**AMR MOFED EL DEB**
(12)	**Patent**

(54)	**SOLAR POWER SYSTEM AND METHOD OF OPERATION**
	Patent Period Started From 20/03/2013 and Will end on 19/03/2033

(57) A solar power system, comprising a solar receiver that absorbs solar radiation, at least first and second fluid flow paths (L1, L2) passing through the receiver, a first working fluid flowable through the first fluid flow path (L1) to absorb thermal energy from the receiver up to a first maximum temperature and a second working fluid flowable through the second fluid path (L2) to absorb thermal energy from the receiver up to a second maximum temperature.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/07/2011** **1219/2011** **January 2017** **18/07/2017** **28104**

(51)	**Int. Cl. [8] C03C 23/00 & C03B 11/08, 13/08 & F24J 2/50 & H01L 31/042**
(71)	**1. SAINT-GOBAIN GLASS FRANCE (FRANCE)** **2.** **3.**
(72)	**1. SCHIAVONI, Michele** **2. NEANDER, Marcus** **3. ROEMGENS, Pascal**
(73)	**1.** **2.**
(30)	**1. (FR) 0950422 - 23-01-2009** **2. (PCT/FR2010/050097) – 22-01-2010** **3.**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) TRANSPARENT GLASS SUBSTRATE PROVIDED WITH AN ANTIREFLECTION LAYER AND PROCESS FOR MANUFACTURING THEREOF

Patent Period Started From 22/01/2010 and Will end on 21/01/2030

(57) The present application relates to transparent glass substrate provided with an antireflection layer and process for manufacturing thereof, the substrate comprising at least one face which is provided with a texturing formed by a plurality of geometric features in relief relative to a general face, said face is provided with an antireflection layer being etched out superficial portion of the glass substrate on the side of said face, the invention also relates to a module for collecting energy originating from radiation incident on the module which comprises the glass substrate provided with an antireflection layer .

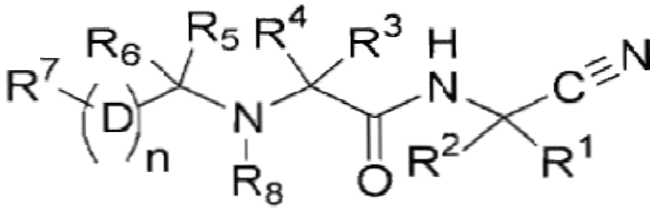
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/08/2003** **0854/2003** **March 2017** **18/07/2017** **28105**

(51)	**Int. Cl. [8] A61K 31/165, 31/275 & C07C 211/35**
(71)	**1. MERCK FROSST CANADA & CO. (CANADA)** **2. AXYS PHARMACEUTICALS, INC (UNITED STATES OF AMERICA)** **3.**
(72)	**1. BAYLY, Christopher, I.** **2. BLACK, Cameron** **3. LEGER, Serge** **4. LI, Chun Sing** **5. MCKAY, Dan** **6. MELLON, Christophe** **7. GAUTHIER, Jacques Yves** **8. LAU, Cheuk** **9. THERIEN, Michel** **10. TRUONG, Vouy-Linh** **11. GREEN, Michael, J.** **12. HIRSCHBEIN, Bernard, L.** **13. JANC, James, W.** **14. PALMER, James, T.** **15. BASKARAN, Chitra**
(73)	**1.** **2.**
(30)	**1. (US) 408.704/60 - 06-09-2002** **2. (US) 361.818/60 - 05-03-2002** **3. PCT/US2003/06147 - 28/02/2003**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) CATHEPSIN CYSTEINE PROTEASE INHIBITORS FOR TREATMENT OF OSTEOPOROSIS

Patent Period Started From and Will end on

(57) This invention relates to a novel class of compounds which are cysteine protease inhibitors, including but not limited to, inhibitors of cathepsins K, L, S and B. These compounds are useful for treating diseases in which inhibition of bone resorption is indicated, such as osteoporosis.



Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/07/2013** **1257/2013** **March 2017** **19/07/2017** **28106**

(51)	**Int. Cl. [8] A63B 61/00, 69/00, 63/00**
(71)	**1. SAMY MOHAMED IBRAHIM EWAIS (EGYPT)** **2.** **3.**
(72)	**1. SAMY MOHAMED IBRAHIM EWAIS** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) SPORT DEVICE FOR DEVELOPING VOLLEYBALL PLAYER'S SKILLS

Patent Period Started From 31/07/2013 and Will end on 30/07/2033

(57) A volleyball practice device is a movable net fixed on two supports allow the coach to change the position of the net during the attack both sides of the court by moving the net coming and going without the device being an obstacle in the court , is consists of a pulling arm that works manually or automatically and connected to the net by a rope to move the net and as a result the bang block wall moves in the direction of the pulley so it slides easily on the net wire by a plastic tube lies inside the upper and lower tapes of the net and inside of it there a net metallic plastic coverd wire which both sides are fixed to the net supports to hold and pull the net so that the net coul get back to its position again and as a result and the block wall as wellon leaving the pulling arm of the block wall where the rubber rope in the opposite side which is connecected to the other side of the net by the upper and lower rings of the net tapes and by the net rod of the other side, and by that training the players on controlling the direction of the spiked balls away from the block wall is possible and traning the players on the unexpected balls reflected from the block wall becase of the change happens in the block wall arms each time it hits the spiked ball as there is a binge works on each arm allowes the arm to move forward and backward in the range of thirty degrees. Also the device helps the coach in coacching and directing the players which backup behind the block wall on the right and different defese moves and ways and it dosent't prevent the single training or the team as it doesen't present in the court during the performance and it's characterized by its easy removal and installation and itsindustrially applicable and with low cost and it does the following:

- Training the players on the attack against the block wall.
- Training the Players on controlling the direction of the ball away from the block wall
- Training the players on the unexpected balla.

It doesn't prevent the single or the team performance in the court.

- Traning the Players on backing up behind the block wall and on the different defense ways.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/08/2009** **1170/2009** **March 2017** **20/07/2017** **28107**

(51)	**Int. Cl. [8] F25J 3/00**	
(71)	**1. ORTLOFF ENGINEERS, LTD. (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. PITMAN, Richard, N.** **2. WILKINSON, John, D.** **3. LYNCH, Joe, T.**	**4. HUDSON, Hank, M.** **5. MARTINEZ, Tony, L.**
(73)	**1.** **2.**	
(30)	**1. (US) 11/971,491 - 09-01-2008** **2. (US) 60/900,400 - 09-02-2007** **3. (PCT/US2008/052154) – 28-01-2008**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) HYDROCARBON GAS PROCESSING-TRAITEMENT D''HYDROCARBURE GAZEUX

Patent Period Started From 28/01/2008 and Will end on 27/01/2028

(57) A process and apparatus for the recovery of ethane, ethylene, propane, propylene, and heavier hydrocarbon components from a hydrocarbon gas stream is disclosed. The stream is cooled and divided into first and second streams. The first stream is further cooled to condense substantially all of it and is thereafter expanded to the pressure of a fractionation tower and supplied to the fractionation tower at a first mid-column feed position. The second stream is expanded to the tower pressure and is then supplied to the column at a second mid-column feed position. A distillation vapor stream is withdrawn from the column below the feed point of the first stream and compressed to an intermediate pressure, and is then directed into heat exchange relation with the tower overhead vapor stream to cool the distillation stream and condense substantially all of it, forming a condensed stream. At least a portion of the condensed stream is directed to the fractionation tower at a third mid-column feed position located above the feed point of the first stream. A recycle stream is withdrawn from the tower overhead after it has been warmed and compressed. The compressed recycle stream is cooled sufficiently to substantially condense it, and is then expanded to the pressure of the fractionation tower and supplied to the tower at a top column feed position. The quantities and temperatures of the feeds to the fractionation tower are effective to maintain the overhead temperature of the fractionation tower at a temperature whereby the major portion of the desired components is recovered.

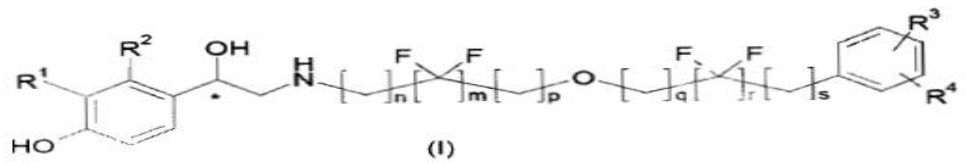
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/11/2007** **1246/2007** **March 2017** **24/07/2017** **28108**

(51)	**Int. Cl. [8] A61P 11/00, A61K 31/135, C07D 215/14, C07D 215/227, C07D 215/26, C07C 217/10, C07C 217/26**	
(71)	**1. ALMIRAL S A (SPAIN)** **2.** **3.**	
(72)	**1. PUIG DURAN, CARLOS** **2. CRESPO CRESPO, MARIA, ISABEL** **3. CASTRO PALOMINO LARIA, JULIO, CESA**	**5. GUAL ROIG, SILVIA** **6. NAVARRO ROMERO, ELOISA**
(73)	**1.** **2.**	
(30)	**1. (SE) P 200501229 - 20-05-2005** **2. (PCT/EP2006/004680) - 17-05-2006** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) DERIVATIVES OF 4-(2-AMINO-1-HYDROXYETHYL)PHENOL AS AGONISTS OF THE &bgr;2 ADRENERGIC RECEPTOR

Patent Period Started From 17/05/2006 and Will end on 16/05/2026

(57) The present invention provides a compound of formula (I) wherein: R1 is a group selected from -CH2OH, -NHC(O)H and R2 is a hydrogen atom; or R1 together with R2 form the group -NH-C(O)-CH=CH- wherein the nitrogen atom is bound to the carbon atom in the phenyl ring holding R1 and the carbon atom is bound to the carbon atom in the phenyl ring holding R2; R3 is selected from hydrogen and halogen atoms or groups selected from -SO-R5, -SO2- R5, -NH-CO-NH2, -CO-NH2, hydantoino, C1-4alkyl, C1-4alkoxy and -SO2NR5R6; R4 is selected from hydrogen atoms, halogen atoms and C1-4alkyl groups; R5 is a C1-4alkyl group or C3-8 cycloalkyl; R6 is independently selected from hydrogen atoms and C1-4alkyl groups; n, p and q are independently 0, 1 , 2, 3 or 4; m and s are independently 0, 1 , 2 or 3; r is 0, 1 or 2; with the provisos that: at least one of m and r is not 0; the sum n+m+p+q+r+s is 7, 8, 9, 10, 11 , 12 or 13; the sum q+r+s is 2, 3, 4, 5 or 6 or a pharmaceutically-acceptable salt, solvate or stereoisomer thereof.



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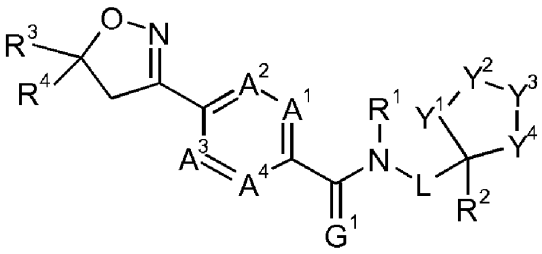
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/05/2012** **0885/2012** **February 2017** **25/07/2017** **28109**

(51)	**Int. Cl. [8] C07D 413/12, 413/14, 419/12**	
(71)	**1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND)** **2.** **3.**	
(72)	**1. CASSAYRE, JErome Yves** **2. RENOLD, Peter** **3. EL QACEMI, Myriem**	**4. PITTERNA, Thomas** **5. Toueg julie clementine**
(73)	**1.** **2.**	
(30)	**1. (EP) 09177640.1 - 01-12-2009** **2. (EP) 10186537. - 05-10-2010** **3. (PCT/EP2010/068605) – 01-12-2010**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) INSECTICIDAL COMPOUNDS BASED ON ISOXAZOLINE DERIVATIVES

Patent Period Started From 01/12/2010 and Will end on 30/11/2030

(57) The present invention relates to compounds of formula (I): Wherein A^1, A^2, A^3, A^4, G^1, L, Y^1, Y^2, Y^3, Y^4, R^1, R^2, R^3 and R^4 are as defined in claim 1; or a salt or N-oxide thereof. Furthermore, the present invention relates to intermediates for preparing compounds of formula (I), to compositions comprising them and to methods of using them to combat and control insect, acarine, nematode and mollusc pests.



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Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/01/2016** **0029/2016** **March 2017** **25/07/2017** **28110**

(51)	**Int. Cl. [8] A61F 13/49, 13/15,13/511**
(71)	**1. UNI-CHARM CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. MORI, Hiroki** **2. MATSUO, Takanori** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2013-146481 - 12-07-2013** **2. (PCT/JP2014/068275) – 09-07-2014** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**DISPOSABLE DIAPER**
	Patent Period Started From 09/07/2014 and Will end on 08/07/2034

(57) Problem] To prevent the leakage of a wearer's excrement from the back side of a diaper. [Solution] In a disposable diaper according to the embodiments of the present invention, a back-side waist gather that can stretch in the widthwise direction of the product is provided between the back-side end of an absorbent layer in the lengthwise direction of the product and the back-side end of an absorbent body in the lengthwise direction of the product. Leg side gathers are joined to a top sheet at positions where the absorbent layer is present. The back-side end of an elastic member that constitutes a leg side gather is positioned further towards the back side of the absorbent layer than a virtual line connecting the back-side end of a leg gather and the center of the back-side waist gather. Compression grooves are formed in the shape of a grid on the top sheet -side of the absorbent layer, with the extension directions of the compression grooves being different from the lengthwise direction and the widthwise direction of the product.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/01/2016** **0028/2016** **March 2017** **25/07/2017** **28111**

(51)	**Int. Cl. [8] A61f 13/15**
(71)	**1. UNICHARM CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. MATSUO, Takanori** **2. MORI, Hiroki** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2013-146786 - 12-07-2013** **2. (PCT/JP2014/068276) – 09-07-2014** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**DISPOSABLE DIAPER**
	Patent Period Started From 09/07/2014 and Will end on 08/07/2034

(57) Problem] To promote the development of infants who are unable to understand combinations of graphics and educational labels. [Solution] In a disposable diaper according to the embodiments of the present invention, a back-side waist gather that can stretch in the widthwise direction of the product is provided between the back-side end of an absorbent layer and the back-side end of an absorbent body. The length of the back-side waist gather in the widthwise direction of the product is equal to or greater than the length of the absorbent layer in the widthwise direction of the product. When extracted from a package and not subjected to pressure or force, the length of a first section in the widthwise direction of the product is greater than the length of a second section in the widthwise direction of the product, and the length of a third section in the widthwise direction of the product is greater than the length of a fourth section in the widthwise direction of the product.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/09/2014** **1498/2014** **March 2017** **25/07/2017** **28112**

(51)	**Int. Cl. [8] A01N 63/04 & C12N 11/14 & C07C 49/92**
(71)	**1. NATIONAL RESEARCH CENTER** **2.** **3.**
(72)	**1. AHMED ISMAIL ELSAYED NOOR EL DEEN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT NATIONAL RESEARCH CENTER /MAGDA mhsseb el saed,amal yousif ahmed,mona mohamed farid**
(12)	Patent

(54)	**CHELATING MATERIAL FOR DECREASE POLLUTION AND MICROBES IN FISH FARMS**
	Patent Period Started From 22/09/2014 and Will end on 21/09/2034
(57)	THE INVENTION IS RELEGATING CHELATING MEDICAL SUBSTANCE WHICH IS PRODUCED FROM THATCH AND JUICER STALKS OF SUGAR CANE EXTRACTION . UNDER THE TEMPERATURE OF 60 OC FOR 12 H IN A GAS OVEN WITH HOT AIR FLOW , THE EXTRACTED LIGUIDIS COLLECTED AND DRIED TO POWDER AND THEN MIXED WITH SODIUM HYDROXIDE WITH A RATIO OF 10:1 IN PLASTIC TANKS TO FORM THE FINAL PRODUCT .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/12/2014** **2087/2014** **February 2017** **26/07/2017** **28113**

(51)	**Int. Cl. [8] C01J 3/46 & C10K 1/28**
(71)	**1. LUMMUS TECHNOLOGY INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. KEELER, Clifton, G** **2. WILLIAMS, Chancelor, L** **3. BUSTAMANTE, Ivan, O**
(73)	**1.** **2.**
(30)	**1. (US) 61/664,415 - 26-06-2012** **2. (PCT/US2013/047851) – 26-06-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**TWO STAGE GASIFICATION WITH DUAL QUENCH**
	Patent Period Started From 26/06/2013 and Will end on 25/06/2033

(57) Improved two-stage entrained-flow gasification systems and processes that reduce the cost and complexity of the design and increase the reliability, while maintaining the efficiency by implementing a first chemical quench followed by a second water quench of the produced syngas. The quenched syngas is maintained above the condensation temperature of at least one condensable component of the syngas, allowing residual particulates to be removed by dry particulate filtration.

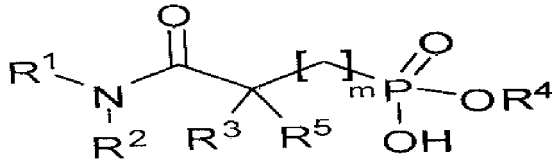
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/11/2014** **1785/2014** **February 2017** **31/07/2017** **28114**

(51)	**Int. Cl. [8] C07F 9/40, 9/38, 9/572 & C22B 60/02 & G21F 9/00**	
(71)	**1. AREVA MINES (FRANCE)** **2.** **3.**	
(72)	**1. ARRACHART, Guilhem** **2. AYCHET, Nicolas** **3. PLANCQUE, Gabriel** **4. BURDET, Fabien** **5. LEYDIER, Antoine**	**6. MIGUIRDITCHIAN, Manuel** **7. PELLET-ROSTAING, Stephane** **8. PLANCQUE, Gabriel** **9. TURGIS, Raphael** **10. ZEKRI, Elisabeth**
(73)	**1.** **2.**	
(30)	**1. (FR) 1254176 - 07-05-2012** **2. (FR) 1262362 - 19-12-2012** **3. (PCT/EP2013/059352)– 06-05-2013**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) NEW BIFLTNCTIONAL COMPOUNDS USEFUL AS LIGANDS OF URANIUM (VI), METHODS OF SYNTHESISING SAME

Patent Period Started From 06/05/2013and Will end on 05/05/2033

(57) The invention relates to new compounds which are represented by the following general formula (i): formula (i), in which: m = 0, 1 or 2; R1 and R2 = a linear or branched c6 to c12 hydrocarbon group; R3 = H, a linear or branched C1 to C12 hydrocarbon group, optionally comprising one or a plurality of heteroatoms; a C3 to C8 monocyclic hydrocarbon group , optionally comprising one or a plurality of heteroatoms, or a monocyclic (hetero)aryl group; or indeed R^2 and R^3 together form a -(ch2)n- group in which n = from 1 to 4; R4 = a linear or branched C2 to c8 hydrocarbon group, or a monocyclic aromatic group; R5 = H or a linear or branched C1 to C12 hydrocarbon group. The invention also relates to methods for synthesising said compounds and to the use of said compounds as ligands of uranium (vi), and in particular to extract uranium (vi) from an aqueous solution of phosphoric acid.



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Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/05/2015** **0813/2015** **February 2017** **31/07/2017** **28115**

(51)	**Int. Cl. [8] H01M 2/38**
(71)	**1. IQ POWER LICENSING AG (SWITZERLAND)** **2. SULLIVAN, Charles, Robert (GERMANY)** **3.**
(72)	**1. SULLIVAN, Charles, Robert** **2. TSCHIRCH, Steffen** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 10 2012 023 314.0 -28-11-2012** **2. (PCT/DE2013/000092) – 20-02-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) BATTERY WITH ELECTROLYTE MIXING DEVICE

Patent Period Started From 20/02/2013 and Will end on 19/02/2033

(57) The invention relates to a battery comprising liquid electrolyte, which is preferably used in moving vehicles, wherein the battery has the following features: a battery housing comprising side walls, a housing floor and a cover, a liquid electrolyte, the level of which is within predetermined tolerance limits, electrodes, a flow channel plate being arranged at least on one side wall so as to form a flow channel, wherein the upper end of said flow channel serves as an exhaust port, a mixing vessel comprising a mixing vessel floor and mixing vessel side walls being arranged above the electrodes, wherein the mixing vessel side wall adjoining the exhaust port is formed as an overflow, the mixing vessel floor being located below the minimum level for the liquid electrode, which minimum level is provided for operational reasons, and at least one floor opening being provided in the mixing vessel floor.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/06/2013** **0956/2013** **February 2017** **26/07/2017** **28116**

(51)	**Int. Cl. [8] A61m 25/06**
(71)	**1. POLY MEDICURE LIMITED (INDIA)** **2.** **3.**
(72)	**1. BAID, Rishi** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IN) 2897/DEL/2010 - 06-12-2010** **2. (PCT/IB2011/050596) – 14-02-2011** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**INTRAVENOUS CATHETER APPARATUS**
	Patent Period Started From 14/02/2011 and Will end on 13/02/2031

(57) The invention relates to an intravenous catheter apparatus comprising a tubular catheter having a proximal end and a distal end, a needle defining an axial direction and having a needle shaft and a needle tip at a distal end of the needle shaft, wherein said needle shaft extends through said tubular catheter such that said needle tip of said needle protrudes from said distal end of said tubular catheter, and wherein said needle shaft comprises an engagement means adapted to engage with a needle guard slidably arranged on said needle shaft in order to prevent said needle guard from sliding off said needle tip.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/03/2015** **0384/2015** **February 2017** **31/07/2017** **28117**

(51)	**Int. Cl. [8] B65D 5/32, 5/38, 5/54**
(71)	**1. AGRO SEVILA ACETUNAS, S.C.A. (SPAIN)** **2.** **3.**
(72)	**1. MATEOS GARCIA, Carlos, Marcelimo** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (SE) U201200825 – 12-09-2012** **2. (PCT/ES2013/070624) – 09-09-2013** **3.**
(74)	**SMAS CO.**
(12)	**Patent**

(54)	**ZAMZAM FOOT CLEANER SYSTEM**
	Patent Period Started From 09/09/2013 and Will end on 08/09/2033

(57) The invention enables easy access and extraction of the product contained in the bottom or bottom regions of the box, said box comprising at least one body (1) provided with cutting and folding lines that define a first central section (10) forming part of the bottom of the body (1), and end sections (11) corresponding to the larger sides of the body (1). Said box also comprises a lid (2) that further has cutting and folding lines defining a second central section (3) forming part of the upper surface of the lid (2), and side sections (4) corresponding to the larger sides of the lid (2), said second central section (3) having a transverse perforated line (7) and two side perforated lines (8) to allow the opening of the entire lid (2) or part of same .

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology

GRANTED PATENTS' ABSTRACTS GAZETTE

"PATENTS ISSUED IN AUGUST 2017 "

Egyptian Patent Office

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Preface

We are on the verge of a new era which is founded on the basis of technological development and hence, we have to follow it in all fields of national development . Technology has become the basis for the increase in national income and production and hence, scientific research has become our real hope as a way for advancement and as a necessity for life .

Emerging from the responsibility of the Academy of Scientific Research and Technology towards strengthening the pillars of science and technology , I have the pleasure to introduce the Granted Patent's Abstracts of the Publication of Patents monthly, Which includes bibliographical data . This periodical is directed to all those interested in the vital field of Intellectual property which encompasses patents, innovations and creative works .

I hope that this publication meets its targeted objective , namely increasing the welfare , prosperity and advancement for our beloved country, Egypt .

Acting President of Patent Office

Mr. Adel El- Saeid Oweide

Bibliographic data

Bibliographic data	symbol
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Priority Number Priority Date Priority Country	30
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Inventor Name	72
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TJ	Tajikistan
TH	Thailand
TM	Turkmenistan
TN	Tunisia
TR	Turkey
TT	Trindad and Topago
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TZ	United Republic of Tanzania
UA	Ukraine
UG	Uganda
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UY	Uruguay
UZ	Uzbekistan
VC	Saint Vincent and the Grenadines

Code	Country
VE	Venezuela
VN	Viet Nam
YD	Yemen
YU	Yugoslavia
ZA	South Africa
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
AUGUST (2017)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/04/2014** **612/2014** **April 2017** **01/08/2017** **28118**

(51)	**Int. Cl. [8] A61m 16/00**
(71)	**1. ABDALLA FEKRY ELSAYED ABOU ELELA MOHAMED (EGYPT)** **2.** **3.**
(72)	**1. ABDALLA FEKRY ELSAYED ABOU ELELA MOHAMED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**MATERIAL: MEDICAL DEVICE OF NONTOXIC POLYETHYLENE AIRWAY**
	Patent Period Started From 16/04/2014 and Will end on 15/04/2034

(57) Fekry Intubating airway is a medical device with 6 sizes ranging from small children to big adults. It has a triple functions airway used for:

1. Keeping a patent airway preventing falling of tongue to obstruct airway and used for ventilation of patient either spontaneous or with bag ventilation.
2. Also as a conduit for blind insertion of endotracheal tube
3. And also as a conduit for fiberoptic tracheal intubation in difficult cases. Fekry airway consists of incomplete circle flange attached to bite block and insertion part consist of two parts : proximal upper part as half cylinder tube having high lateral walls with shoulders with a large inner diameter to adopt largest endotracheal tube at each size while distal portion with a smaller diameter than the proximal portion with small lateral walls. This invention can be used in combination with a special designed connector which will provide an excellent airway for the passage of oxygen or anesthetic gases in and out either with spontaneous breathing or during bag ventilation. The Fekry intubating airway can also be utilized in conjunction with a fiberoptic endoscope, the Fekry airway can receive the fiberoptic bronchoscope through its open anterior lingual surface allowing the bronchoscope to pass below tongue up to glottis to the trachea and with the previously ensleeved endotracheal tube that can then be moved into the trachea while the Fekry airway in situ working as an bite block.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/10/2014** **1684/2014** **April 2017** **01/08/2017** **28119**

(51)	**Int. Cl. [8] A74K 3/00, 5/00, 13/00**
(71)	**1. KHALED FAROUK MOHAMED ELSAYED (EGYPT)** **2. Mustafa Khaled Farouk Mohammed (EGYPT)** **3.**
(72)	**1. KHALED FAROUK MOHAMED ELSAYED** **2. Mustafa Khaled Farouk Mohammed** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Utility model**

(54)	**CLOSE VERTICAL UNIT FOR AIROPONICS IRRIGATED FROM ITS AXIS**
	Patent Period Started From 22/10/2014 and Will end on 21/10/2021

(57) Vtility model discloses an airoponic agriculture axially irrigated vertical unit to be irrigated by a vogue or drops system. This unit can be made with different geometrical shapes (octagonal , square, circle) and it can take a pyramid shape, with sloped and stepped outer surface and a appropriate angle. This surfaces has holes where the plants take place for the production of most leave plants and some fruits plants which has limited green part . The roots go inside the unit where it is irrigated through a water pump that pumptakes the fertilizer from a tank under the unit or an outside tank to serve several units. those units increases the number of plants per unit area.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/04/2014** **0561/2014** **May 2017** **06/08/2017** **28120**

(51)	**Int. Cl. [8] A61G 7/10**
(71)	**1. AHMED SALAH HALMY (EGYPT)** **2.** **3.**
(72)	**1. AHMED SALAH HALMY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**MEDICAL BED FOR DECUBITUS ULCER PREVENTION**
	Patent Period Started From 08/04/2014 and Will end on 07/04/2034

(57) The present invention relates to medical bed for Decubitus Ulcer prevention. It comprises of a controlled-moving bed which is mounted on rolling bearings. Said bed can be moved right or left via motor and gear box connected to a shaft similar to vehicle jack when lifting up or down. Advantageously, this helps in moving patient to enable natural blood flow.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/03/2014** **2014/341** **March 2017** **08/08/2017** **28121**

(51)	**Int. Cl. [8] A61K 33/42 & C04B 35/626, 35/447, 35/057**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. PROF. DR. / SALMA MOHAMED HUSSEIN ESSAWY NAGA** **2. DR/ HESHAM FOULY MOHAMED ABDELRAHIM EL-MAGHRABY** **3. DR/ NIHAL AHMED MOHAMED TAWFIK EL-MAHALAWY** **4. DR. MONA SAYED AHMED MOHAMED EL SAYED**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT OT PATENT OFFICE - NATIONAL CENTER FOR RESEARCH AND REPRESENTED BY MRS. / MR. MAGDA MAHSP AND OTHERS**
(12)	**Patent**

(54)	**Method for preparation of highly porous ceramic scaffolds for bone substitution from hydroxyapatite powder**
	Patent Period Started From 05/03/2014 and Will end on 04/03/2034

(57) THE PRESENT INVENTION DEALS WITH A method for the preparation of HIGHLY porous CERAMIC scaffolds FOR BONE SUBSTITUTION FROM hydroxyapatite POWDER. The prepared scaffolds posses high mechanical strength as well as high bioactivity properties. The preparation is divided into two stages:

1-Preparation of pure nano-hydroxyapatite powder with a high production efficiency of 99% from biogenetic source (eggshells).

2-Preparation of highly porous3D hydroxyapatite scaffolds based on the hydroxyapatite prepared from eggshells.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/12/2014** **2063/2014** **April 2017** **08/08/2017** **28122**

(51)	**Int. Cl. [8] A23B 4/22 & A61K 8/66 & C12N 9/26**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. DOAA ABDEL RAHMAN MAHMOUD HASSANIN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT OT PATENT OFFICE - NATIONAL CENTER FOR RESEARCH AND REPRESENTED BY MRS. / MR. MAGDA MAHSP AND OTHERS**
(12)	**Patent**

(54)	**METHOD FOR IMMOBILIZATION OF INVERTASE ON CELLULOSIC WASTES BY EFFECT OF CO2**
	Patent Period Started From 22/12/2014 and Will end on 21/12/2034

(57) The present patent deals with method for protection and immobilization of invertase with innovative simple technique. It introduces anew and practical insight into the role of co2 produced from baker's yeast during the respiration process. The technique based on surface modification of the cellulosic components of the cellulosic wastes after incubation of baker's yeast with wastes in a rotary shaker at 30-40° c and for 1-6 hr with agitation rate equivalent to 130-150 revolution per mints . The accumulation of co2 up to 130-450 ppm/cm3 during the process incrrased the capacity of invertase to be immobilized tightly. Utilization of dry yeast succeeded to improve the activation and stabilization of invertase in comparison to fresh compressed yeast due to the presence of glutathione. This technique improved the storage stability as it retained 85% of its activity after storage of 3 years 4° c.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/11/2011** **1900/2011** **March 2017** **08/08/2017** **28123**

(51)	**Int. Cl. [8] B0J 8/06, 19/24 & C10G 2/00**	
(71)	**1. ENI S.P.A (ITALY)** **2.** **3.**	
(72)	**1. IOVANE, Massimo** **2. ZENNARO, Roberto** **3. FORZATTI, Pio** **4. GROPPI, Gianpiero** **5. LIETTI, Luca**	**6. TRONCONI, Enrico** **7. VISCONTI, Carlo, Giorgio** **8. ROSSINI, Stefano** **9. MIGNONE, Elsa**
(73)	**1.** **2.**	
(30)	**1. (IT) MI 2009 A 000826 - 13-05-2009** **2. (PCT/EP2010/002571) – 10-05-2010** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54)	**REACTOR FOR EXOTHERMIC OR ENDOTHERMIC CATALYTIC REACTIONS**
	Patent Period Started From 10/05/2010 and Will end on 09/05/2030

(57) Reactor for Fischer-Tropsch reaction which is carried out in a three-phase system essentially consisting of a reacting gaseous phase, a reacted liquid phase and a solid catalytic phase, wherein the solid catalytic phase consists of packed or structured bodies of catalytic material encaged within at least one honeycomb monolithic structure with a high thermal conductivity.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/06/2010** **1074/2010** **February 2017** **08/08/2017** **28124**

(51)	**Int. Cl. [8] B01D 61/16 & C02F 3/02**
(71)	**1. VA TECH WABAG GMBH (AUSTRIA)** **2.** **3.**
(72)	**1. KLEGRAF, Ferdinand** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (AT) A2100/2007 - 21-12-2007** **2. (PCT/EP2008/065307) – 11-11-2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) AN APPARATUS AND METHOD FOR TREATING WASTEWATER

Patent Period Started From 11/11/2008 and Will end on 10/11/2028

(57) The invention relates to a wastewater treatment system, in which an apparatus for mechanical purification is integrated into a reaction vessel for biological purification, to a sewage plant that comprises such wastewater treatment systems, and to a method for purifying wastewater. By arranging the apparatus for mechanical purification above the footprint of the reaction vessel for biological purification, the space and volume requirements of the system are reduced.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/05/2015** **0525/2015** **March 2017** **08/08/2017** **28125**

(51)	**Int. Cl. [8] A23L 1/304 & A23K 1/175 & A61K 33/26 & C05D 9/02**
(71)	**1. PRAYON (BELGIUM)** **2.** **3.**
(72)	**1. CAPPELLE, Philippe Jacques, Myriam** **2. VERHELST, Kurt, Thierry, S** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 2012/0666 - 10-10-2012** **2. (PCT/EP2013/069397) – 18-09-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**INORGANIC NUTRITIVE IRON COMPOSITION**
	Patent Period Started From 18/09/2013 and Will end on 17/09/2043

(57) The present invention relates to an inorganic liquid nutritive composition comprising at least one aqueous phase, a polyphosphate and at least one source of iron as micronutrient, having a Ppoly/Fetotal molar ratio of between 5 and 50.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/05/2013** **0755/2013** **January 2017** **08/08/2017** **28126**

(51)	**Int. Cl. [8] F16L15/04,C10M(103/02,105/22, 107/28, 107,38, 107/50, 109/00, 145/14, 147/02, 155/02), C10N (10/04, 20/00, 20/02, 20/06, 30/06)**
(71)	**1. NIPPON STEEL & SUMITOMO METAL CORPORATION (JAPAN)** **2. VALLOUREC MANNESMANN OIL & GAS FRANCE (FRANCE)** **3.**
(72)	**1. GOTO, Kunio** **2. YAMAMOTO, Yasuhiro** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2010-248790 - 05-11-2010** **2. (PCT/JP2011/076016) – 04-11-2011** **3.**
(74)	**SMAS INTELLECTUAL PROPERTY**
(12)	**Patent**

(54)	**TUBULAR THREADED JOINT HAVING IMPROVED HIGH TORQUE PERFORMANCE**
	Patent Period Started From 04/11/2011 and Will end on 03/11/2031

(57) A lubricating coating which can prevent the occurrence of galling even when makeup is carried out with a high torque and which has excellent rust preventing properties is formed on the contact surfaces of a pin and/or a box of a tubular threaded joint. The lubricating coating contains copolymer particles made from particles of an acrylic-silicone copolymer with an average particle diameter of 10 - 50 ?m dispersed in a highly viscous matrix made from a mixture of a rosin-based substance selected from rosin and its derivatives, wax, a metal soap, and a basic metal salt of an aromatic organic acid (such as highly basic Ca sulfonate).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/02/2013** **0756/2013** **January 2017** **08/08/2017** **28127**

(51)	**Int. Cl. [8] F16L 15/04, C10M (103/02,107/02, 107/24, 107/28, 107/50, 143/00, 145/08, 147/02, 155/02), C10N(20/06, 30/06, 30/08, 30/12, 40/00)**
(71)	**1. NIPPON STEEL & SUMITOMO METAL CORPORATION (JAPAN)** **2. VALLOUREC MANNESMANN OIL & GAS FRANCE (FRANCE)** **3.**
(72)	**1. GOTO, Kunio** **2. SASAKI, Masayoshi** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2010-248789 - 05-11-2010** **2. (PCT/JP2011/076018)- 04-11-2011** **3.**
(74)	**SAMAS CO**
(12)	**Patent**

(54) TUBULAR THREADED JOINT HAVING IMPROVED LOW TEMPERATURE PERFORMANCE

Patent Period Started From 04/11/2011 and Will end on 03/11/2031

(57) In order to provide a tubular threaded joint constituted by a pin and a box each having threads and an unthreaded metal contact portion with excellent galling resistance and gas tightness even in extremely cold environments at -60^{O} C to -20^{o} C and rust preventing properties without using a compound grease, a thermoplastic solid lubricating coating containing low friction copolymer particles made from an acrylic-silicone copolymer and preferably further containing a solid lubricant (e.g., graphite) in a thermoplastic polymer matrix (e.g., selected from polyolefin resins and ethylene-vinyl acetate copolymer resins) is formed on the surface of the threads and unthreaded metal contact portion of a pin and/or a box.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/10/2015** **1715/2015** **March 2017** **09/08/2017** **28128**

(51)	**Int. Cl. [8] A01C 1/02**
(71)	**1. ROBUST SEED TECHNOLOGY A&F AKTIEBOLAG (SWEDEN)** **2.** **3.**
(72)	**1. SHEN, Tongyun** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/SE2013/050475) – 29-04-2013** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**IMPROVED METHOD FOR SEED PRIMING**
	Patent Period Started From 29/04/2013 and Will end on 28/04/2033

(57) Disclosed is a method of priming dry seeds, wherein said seeds firstly are immersed into an aqueous solution and subsequently removed once the seeds have been saturated with water. After having been removed for the aqueous solution, the water content of the seeds are reduced, thereafter the seeds are incubated under an atmosphere of air having a relative humidity of at least 95%, but less than 100%.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/12/2014** **2090/2014** **February 2017** **09/08/2017** **28129**

(51)	**Int. Cl. [8] C01G 9/36**
(71)	**1. LINDE AKTIENGESELLSCHAFT(GERMANY)** **2.** **3.**
(72)	**1. SCHMIDT, Gunther** **2. FRITZ, Helmut** **3. WALTER, Stefanie**
(73)	**1.** **2.**
(30)	**1. (EP) 12005780.7 - 09-08-2012** **2. (PCT/EP2013/002295) – 01-08-2013** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) METHOD FOR CONVERTING HYDROCARBON FEEDSTOCKS BY MEANS OF THERMAL STEAM CRACKING

Patent Period Started From 01/08/2013 and Will end on 31/08/2033

(57) The invention relates to a method for converting hydrocarbon feedstocks by means of thermal steam cracking to form at least one olefinic product flow which contains at least ethylene and propylene, wherein a first hydrocarbon feedstock is at least partially converted in at least a first cracking furnace (1) and a second hydrocarbon feedstock is at least partially converted in at least a second cracking furnace (2). According to the invention, the second hydrocarbon feedstock contains predominantly hydrocarbons with a carbon number of 5 and/or 4 and largely comprises one or more returned fractions (P, T), which are obtained from the product flow, and the second hydrocarbon is converted in the second cracking furnace (2) under crack conditions, which lead to a propylene to ethylene ratio of 0.7 to 1.6 kg/kg.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/12/2014** **1952/2014** **February 2017** **09/08/2017** **28130**

(51)	**Int. Cl. [8] C01L 1/234 & C01M 145/04**
(71)	**1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. DUFFY, Richard** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/663.178 - 22-06-2012** **2. (US) 13/919,671 - 17-06-2013** **3. (PCT/US2013/046600) – 19-06-2013**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) CHARGED BLOCK CO-POLYMERS AS POUR POINT DEPRESSANTS

Patent Period Started From 19/06/2013 and Will end on 8/06/2033

(57) Fouling components within a fluid may be prevented from accumulating when an additive contacts the fluid, e.g. by coating the wellbore with the additive prior to the production of the fluid or adding the additive directly to a produced fluid, etc.. The additive may include, but is not limited to, a block copolymer having at least two components. The first component may be a charged monomer, and the second component may be a long chain fatty alcohol acrylate monomer. In one alternative embodiment, the fluid may be a hydrocarbon fluid, and the fouling components may be or include, but are not limited to wax, paraffins, asphaltene, resins, and combinations thereof.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/04/2011** **0559/2011** **March 2017** **09/08/2017** **28131**

(51)	**Int. Cl. [8] C02F 1/10**
(71)	**1. Assiut University (EGPYT)** **2. Mostafa Mohamed Kamal Mohamed (EGPYT)** **3. Mohamed Mahmoud Ahmed Shahata (EGPYT)**
(72)	**1. Assiut University** **2. Mostafa Mohamed Kamal Mohamed** **3. Mohamed Mahmoud Ahmed Shahata**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**EZAT HOSNY EL SAWY / FOCAL POINT Assiut University**
(12)	**Patent**

(54)	**PACKET FOR HEAVY REMOVAL FROM WATER**
	Patent Period Started From 11/04/2011 and Will end on 10/04/2031

(57) A chemical substance called (HMR) was prepared by immobilization of Poly(8-Hydroxyquinoline) on silica gel . It can be used for removal of heavy metal ions from water or any solutions. It has high efficiency reached to 88.3 % for removal of heavy metal. Also it has high capacity (amount of heavy metal absorbed) reached to 500 mg/g. Putting HMR substance on a piece of white sterilizing medical cotton to do double jobs, first, to prevent HMR substance for reaching to water, the second , to absorb more amount of water contain metal ions . The substance HMR was surrounded by cotton was packing in paper packet allowed for water to path but not allowed for HMR substance to back for water.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**9/08/2011** **1334/2011** **March 2017** **09/08/2017** **28132**

(51)	**Int. Cl. [8] E21B 43/12 & F04C 2/16, 11/00, 13/00**
(71)	**1. BP EXPLORATION OPERATING COMPANY LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. DENNY, Mark, Joseph** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 09250326.7 - 10-02-2009** **2. (PCT/GB2010/000100) – 21-01-2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**PUMP**
	Patent Period Started From 21/01/2010 and Will end on 20/01/2030

(57) A multistage pump comprises:
a plurality of components comprising a plurality of pre-assembled pump modules including at least one twin screw pump module ; characterised in that the multistage pump further comprises an elongate sleeve for housing the components
; and securing meansattachable or engagable with a portion of the elongate sleeve, the securing means being operable to fixedly retain the components within the sleeve.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/12/2011** **2099/2011** **April 2017** **14/08/2017** **28133**

(51)	**Int. Cl. [8] A01P 3/00**
(71)	**1. ISHIHARA SANGYO KAISHA, LTD. (JAPAN)** **2.** **3.**
(72)	**1. HAYASHI, Hiroyu** **2. KURATA, Yoshikazu** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2009-144191 - 17-06-2009** **2. (JP) 2010-004308 - 12-01-2010** **3. (PCT/JP2010/003727) -04/06/2010**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) CONTROL AGENT FOR SOFT ROT AND CONTROL METHOD FOR THE SAME

Patent Period Started From 04/06/2010 and Will end on 3/06/2030

(57) Provided is a novel control agent for soft rot and a novel control method for the same. The control agent for soft rot of a plant contains 3-chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-alpha, alpha, alpha-trifluoro-2,6-dinitro-p-toluidine as an active ingredient, which is applied to plant cultivation soil.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/09/2016** **1547/2016** **April 2017** **14/08/2017** **28134**

(51)	**Int. Cl. [8] A61J 1/05 & B65D 51/18**
(71)	**1. OTSUKA PHARMACEUTICAL FACTORY, INC (JAPAN)** **2.** **3.**
(72)	**1. TATEISHI, Isamu** **2. BABA, Shinji** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2014-062486 - 25-03-2014** **2. (PCT/JP2014/083743) – 19-12-2014** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**AN IMPROVED MEDICAL FLUID CONTAINER WITH A MOLDED MAIN BODY AND A RUBBER PLUG**
	Patent Period Started From 19/12/2014 and Will end on 18/12/2034

(57) The present application relates to an improved medical fluid container that includes a container main body which is integrally molded by a blow-fill-seal method, a rubber plug which is disposed on a top surface of a mouth portion of the container main body, and an outer frame material which covers the rubber plug and the mouth portion, and which has a receiving surface that the mouth portion louches , and has a pressure bonding portion pressed in a direction of a bottom portion of the container main body against the mouth portion, and the rubber plug includes a plug main body covering a part of the top surface of the mouth portion, and a flanged portion extended between the pressure bonding portion and the mouth portion from a lower outer circumference of the plug main body .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/10/2012** **1772/2012** **April 2017** **14/08/2017** **28135**

(51)	**Int. Cl. [8] C10G 1/00, 9/00, 9/40 & E21B 43/24 & F24J 2/00**
(71)	**1. ENI S.P.A (ITALY)** **2.** **3.**
(72)	**1. BORTOLO, Rossella** **2. RICCO' , Moreno** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) MI2010A000660 - 19-04-2010** **2. (PCT/IB2011/000854) – 18-04-2011** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**PROCESS FOR REDUCING THE VISCOSITY OF HEAVY CRUDE OILS**
	Patent Period Started From 18/04/2011 and Will end on 7/042031

(57) Process for reducing the viscosity of heavy crude oils in situ, directly at the well head or oil centre, through "mild visbreaking", characterized in that the energy necessary for said visbreaking is obtained by means of a solar concentration plant, before being subjected to said visbreaking, said heavy crude oils being pre-heated by at least one thermal exchange with the obtained crude oils having a reduced viscosity.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/04/2011** **0659/2011** **May 2017** **14/08/2017** **28136**

(51)	**Int. Cl. [8] A61B 18/20 & A61F 7/00**
(71)	**1. HEBATALRAHMAN AHMED (EGYPT)** **2.** **3.**
(72)	**1. HEBATALRAHMAN AHMED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**EIGHT-FACETED OPTICAL UNIT WITH MONOCHROMATIC WAVELENGTH**
	Patent Period Started From 28/04/2011 and Will end on 27/04/2031

(57) The Unit is consists of a complex optical collector from sunlight or lasers light, the optical filters and special optical design collect the monochromatic rays at the center of the octagon. The rays are concentrated. The unit can be used for industrial purposes, medical and various household applications; it has the ability to control the irradiation parameters such as intensity, wavelength and exposure time.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/02/2011** **0320/2011** **May 2017** **14/08/2017** **28137**

(51)	**Int. Cl. [8] C081 11/06 & B29B 1/06**
(71)	**1. DR/ HEBATALRAHMAN AHMED (EGYPT)** **2.** **3.**
(72)	**1. DR/ HEBATALRAHMAN AHMED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**NEW METHOD FOR RECYCLING OF THERMOSET PLASTICS**
	Patent Period Started From 27/02/2011 and Will end on 26/02/2031

(57) New method for the recycling of thermosetting plastics reinforced by different types of additives and fibers, which is non-recyclable by traditional methods. Temperature controller is installed to maintain the temperature of the mixture constant The compound formed remain in the elastic case, until it shredded to the appropriate sizes. Material is cooled after deformation air stream. The resulting material is combined with thermoplastic or metals material and manufactured under Conditions of temperature and pressure appropriate to the type matrix.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/06/2013** **0976/2013** **February 2017** **15/08/2017** **28138**

(51)	**Int. Cl. [8] H01L 31/02, 31/052, 31/0232 & G02B 5/08 & C23F 13/14, 13/16**
(71)	**1. PPG INDUSTRIES OHIO, INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MEDWICK, Paul A** **2. ABBOTT, Edward E** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/964,125 - 09-12-2010** **2. (PCT/US 2011/052244) – 20-09-2011** **3.**
(74)	**SAMAS CO**
(12)	**Patent**

(54) CORROSION RESISTANT SOLAR MIRROR

Patent Period Started From 20/09/2011 and Will end on 19/09/2031

(57) A reflective article includes a transparent substrate having a first major surface and a second major surface. A base coat is formed over at least a portion of the second major surface. A primary reflective coating having at least one metallic layer is formed over at least a portion of the base coat. A protective coating is formed over at least a portion of the primary reflective coating. The article further includes a solar cell and an anode, with the solar cell connected to the metallic layer and the anode.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/09/2014** **1515/2014** **April 2017** **15/08/2017** **28139**

(51)	**Int. Cl. [8] C23C 14/58 & C03C 17/00 & B23K 26/08**
(71)	**1. SAINT-GOBAIN GLASS FRANCE (FRANCE)** **2.** **3.**
(72)	**1. MIMOUN, Emmanuel** **2. BILAINE, Matthieu** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 1253524 - 17-04-2012** **2. (PCT/FR2013/050813) – 15-04-2013** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54)	**METHOD FOR PRODUCING A COATED SUBSTRATE**
	Patent Period Started From 15/04/2013 and Will end on 14/04/2033

(57) The invention relates to a method for producing a substrate provided with a coating on at least a portion of at least one of the surfaces thereof, including a step of depositing said coating onto said substrate, then a step of heat-treating said coating using pulsed or continuous laser radiation focused on said coating in the form of at least one laser line, the wavelength of which is within a range of 400 to 1500 nm, said heat treatment being configured such that a relative displacement movement is generated between the substrate and the or each laser line, the speed of which is at least 3 meters per minute, the or each laser line having a beam quality factor (BPP) of at most 3 mm mrad, and, measured at the point at which the or each laser line is focused on said coating, a linear power divided by the square root of the duty cycle of at least 200 W/cm, a length of at least 20 mm, and a distribution of widths along the or each line such that the mean width is at least 30 micrometers and the difference between the largest width and the smallest width is at most 15% of the value of the mean width.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/03/2013** **0464/2013** **April 2017** **15/08/2017** **28140**

(51)	**Int. Cl. [8] G01L 19/00**	
(71)	**1. FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V (GERMANY)** **3.**	
(72)	**1. KRAGELOH, Stefan** **2. GREEVENBOSCH, Bert** **3. DEL GALDO, Giovanni** **4. BORSUM, Juliane**	**5. PICKEL, JOrg** **6. ZITZMANN, Reinhard** **7. BLIEM, Tobias**
(73)	**1.** **2.**	
(30)	**1. (EP) 10178035.1- 21-09-2011** **2. (PCT/EP2011/066118) – 16-09-2011** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) WATERMARK GENERATOR, WATERMARK DECODER, METHOD FOR PROVIDING A WATERMARKED SIGNAL BASED ON DISCRETE VALUED DATA AND METHOD FOR PROVIDING DISCRETE VALUED DATA IN DEPENDENCE ON A WATERMARKED SIGNAL

Patent Period Started From 16/09/2011 and Will end on 15/09/2031

(57) A watermark generator for providing a watermark signal as a sequence of subsequent watermark coefficients based on a stream of subsequent stream values representing discrete valued data comprises a differential encoder. The differential encoder is configured to apply a phase rotation to a current stream value of the stream values representing the discrete valued data or to a current watermark symbol, the current watermark symbol corresponding to a current stream value of the stream values representing the discrete valued data, to obtain a current watermark coefficient of the watermark signal. The differential encoder is configured to derive a phase of a previous spectral coefficient of a watermarked signal which is a combination of the host signal and the watermark signal. The differential encoder is further configured to provide the watermark signal such that a phase angle of the phase rotation applied to the current stream value or the current watermark symbol is dependent on the phase of the previous spectral coefficient of the watermarked signal.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/07/2012** **1238/2012** **April 2017** **15/08/2017** **28141**

(51)	**Int. Cl. [8] G10L 19/00**
(71)	**1. FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V. (GERMANY)** **3.**
(72)	**1. FUCHS, Guillaume** **2. MULTRUS, Markus** **3. RETTELBACH, Nikolaus** **4. SUBBARAMAN, Vignesh** **5. WEISS, Oliver** **6. GAYER, Marc** **7. WARMBOLD, Patrick** **8. GRIEBEL, Christian**
(73)	**1.** **2.**
(30)	**1. (US) 61/294,357 - 12-01-2010** **2. (PCT/EP2011/050275) – 11-01-2011** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) AUDIO ENCODER, AUDIO DECODER, METHOD FOR ENCODING AND DECODING AN AUDIO INFORMATION, AND COMPUTER PROGRAM OBTAINING A CONTEXT SUB-REGION VALUE ON THE BASIS OF A NORM OF PREVIOUSLY DECODED SPECTRAL VALUES

Patent Period Started From 11/01/2011 and Will end on 10/01/2031

(57) An audio decoder for providing a decoded audio information on the basis of an encoded audio information comprises an arithmetic decoder for providing a plurality of decoded spectral values on the basis of an arithmetically-encoded representation of the spectral values and a frequency-domain-to-time-domain converter for providing a time-domain audio representation using the decoded spectral values, in order to obtain the decoded audio information. The arithmetic decoder is configured to select a mapping rule describing a mapping of a code value onto a symbol code in dependence on a context state described by a numeric current context value. The arithmetic decoder is configured to determine the numeric current context value in dependence on a plurality of previously decoded spectral values. The arithmetic decoder is configured to obtain a plurality of context subregion values on the basis of previously decoded spectral values and to store said context subregion values. The arithmetic decoder is configured to derive a numeric current context value associated with one or more spectral values to be decoded in dependence on the stored context subregion values. The arithmetic decoder is configured to compute the norm of a vector formed by a plurality of previously decoded spectral values in order to obtain a common context subregion value associated with the plurality of previously decoded spectral values. An audio encoder uses a similar concept.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/08/2011** **1326/2011** **April 2017** **15/08/2017** **28142**

(51)	**Int. Cl. [8] B22F 9/20 & H01G 9/052 & C25C 5/04, 3/26**
(71)	**1. METALYSIS LIMITED (UNITED KINGDON)** **2.** **3.**
(72)	**1. RASHEED, Raymond, Kevin** **2. MARGERISON, Ian** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 0902486.0 - 13-02-2009** **2. (PCT/GB2010/000266) – 15-02-2010** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) A METHOD FOR PRODUCING METAL POWDERS

Patent Period Started From 15/02/2010 and Will end on 14/02/2030

(57) A method of producing metallic powder for use in the manufacture of a capacitor comprises the step of reducing a non-metallic compound to metal in contact with a molten salt. The salt comprises, for at least a portion of the process, a dopant element that acts as a sinter retardant in the metal. In preferred examples, the metallic powder is Ta or Nb powder produced by the reduction of a Ta or Nb oxide and the dopant is boron, nitrogen or phosphorous.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/01/2011** **0050/2011** **April 2017** **15/08/2017** **28143**

(51)	**Int. Cl. [8] G01L 19/02**	
(71)	**1. FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V. (GERMANY)** **3.**	
(72)	**1. MULTRUS, Markus** **2. GRILL, Bernhard** **3. FUCHS, Guillaume**	**4. GEYERSBERGER, Stefan** **5. RETTELBACH, Nikolaus** **6. BACIGALUPO, Virgilio**
(73)	**1.** **2.**	
(30)	**1. (US) 61/079,842 - 11-07-2008** **2. (US) 61/103,820 - 08-10-2008** **3. (PCT/EP2009/003521) – 18-05-2009**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) AUDIO ENCODER AND AUDIO DECODER

Patent Period Started From 18/05/2009 and Will end on 17/05/2029

(57) An audio encoder for encoding segments of coefficients, the segments of coefficients representing different time or frequency resolutions of a sampled audio signal, the audio encoder comprising a processor for deriving a coding context for a currently encoded coefficient of a current segment based on a previously encoded coefficient of a previous segment, the previously encoded coefficient representing a different time or frequency resolution than the currently encoded coefficient. The audio encoder further comprises an entropy encoder for entropy encoding the current coefficient based on the coding context to obtain an encoded audio stream.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/07/2012** **1236/2012** **April 2017** **15/08/2017** **28144**

(51)	**Int. Cl. [8] G10L 19/00**	
(71)	**1. FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V. (GERMANY)** **3.**	
(72)	**1. FUCHS, Guillaume** **2. MULTRUS, Markus** **3. RETTELBACH, Nikolaus** **4. SUBBARAMAN, Vignesh**	**5. WEISS, Oliver** **6. GAYER, Marc** **7. WARMBOLD, Patrick** **8. GRIEBEL, Christian**
(73)	**1.** **2.**	
(30)	**1. (US) 61/294,357 - 12-01-2010** **2. (PCT/EP2011/050272) – 11/01/2011** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) **AUDIO ENCODER, AUDIO DECODER, METHOD FOR ENCODING AND AUDIO INFORMATION, METHOD FOR DECODING AN AUDIO INFORMATION AND COMPUTER PROGRAM USING A HASH TABLE DESCRIBING BOTH SIGNIFICANT STATE VALUES AND INTERVAL BOUNDARIES**

Patent Period Started From11/01/2011 and Will end on10/01/2031

(57) An audio decoder for providing a decoded audio information on the basis of an encoded audio information comprises an arithmetic decoder for providing a plurality of decoded spectral values on the basis of an arithmetically encoded representation of the spectral values, and a frequency-domain-to-time-domain converter for providing a time-domain audio representation using the decoded spectral values, in order to obtain the decoded audio information. The arithmetic decoder is configured to select a mapping rule describing a mapping of a code value onto a symbol code in dependence on a context state described by a numeric current context value. The arithmetic decoder is configured to determine the numeric current context value in dependence on a plurality of previously decoded spectral values. The arithmetic decoder is configured to evaluate a hash table, entries of which define both significant state values amongst the numeric context values and boundaries of intervals of numeric context values, in order to select the mapping rule. A mapping rule index value is individually associated to a numeric context value being a significant state value, and a common mapping rule index value is associated to different numeric context values laying within an interval bounded by interval boundaries. An audio encoded uses a similar concept.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/04/2012** **0695/2012** **April 2017** **15/08/2017** **28145**

(51)	**Int. Cl. [8] G10L 19/14**
(71)	**1. FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V.(GERMANY)** **3.**
(72)	**1. GEIGER, Ralf** **2. FUCHS, Guillaume** **3. MULTRUS, Markus** **4. GRILL, Bernhard**
(73)	**1.** **2.**
(30)	**1. (US) 61/253,440 - 20-10-2009** **2. (PCT/EP2010/065718) – 20-10-2010** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) MULTI-MODE AUDIO CODEC AND CELP CODING ADAPTED THEREFORE

Patent Period Started From 20/10/2010 and Will end on 19/10/2030

(57) In accordance with a first aspect of the present invention, bitstream elements of sub-frames are encoded differentially to a global gain value so that a change of the global gain value of the frames results in an adjustment of an output level of the decoded representation of the audio content. Concurrently, the differential coding saves bits otherwise occurring when introducing a new syntax element into an encoded bitstream. Even further, the differential coding enables the lowering of the burden of globally adjusting the gain of an encoded bitstream by allowing the time resolution in setting the global gain value to be lower than the time resolution at which the afore-mentioned bitstream element differentially encoded to the global gain value adjusts the gain of the respective sub-frame. In accordance with another aspect, a global gain control across CELP coded frames and transform coded frames is achieved by co-controlling the gain of the codebook excitation of the CELP codec, along with a level of the transform or inverse transform of the transform coded frames. According to even another aspect, a variation of the loudness of a CELP coded bitstream upon changing the respective gain value is rendered more well adapted to the behavior of transform coded level adjustments, by performing the gain value determination in CELP coding in the weighted domain of the excitation signal.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/08/2012** **1429/2012** **April 2017** **15/08/2017** **28146**

(51)	**Int. Cl. [8] G10L 19/00**	
(71)	**1. FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V. (GERMANY)** **3.**	
(72)	**1. WABNIK, Stefan** **2. PICKEL, Joerg** **3. GREEVENBOSCH, Bert** **4. GRILL, Bernhard** **5. EBERLEIN, Ernst** **6. DEL GALDO, Giovanni**	**7. KRAEGELOH, Stefan** **8. ZITZMANN, Reinhard** **9. BLIEM, Tobias** **10. BREILING, Marco** **11. BORSUM, Juliane**
(73)	**1.** **2.**	
(30)	**1. (EP) 10154953.3 - 26-02-2010** **2. (PCT/EP2011/052852) – 25-02-2011** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) WATERMARK GENERATOR, WATERMARK DECODER, AND METHOD FOR PROVIDING A WATERMARK SIGNAL

Patent Period Started From 25/02/2011 and Will end on 24/02/2031

(57) A watermark generator for providing a watermark signal in dependence on binary message data, the watermark generator comprises an information spreader configured to spread an information unit to a plurality of time-frequency-domain values, to obtain a spread information representation. The watermark generator also comprises a synchronization inserter configured to multiplicatively combine the spread information representation with a synchronization sequence to obtain a combined information-synchronization representation. The watermark generator also comprises a watermark signal provider configured to provide the watermark signal on the basis of the combined information-synchronization representation. A watermark decoder, methods and computer programs are also described.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/06/2014** **0926/2014** **April 2017** **15/08/2017** **28147**

(51)	**Int. Cl. [8] B01D 53/86**
(71)	**1. THYSSENKRUPP INDUSTRIAL SOLUTIONS AG (GERMANY)** **2.** **3.**
(72)	**1. SCHWEFER, Meinhard** **2. SIEFERT, Rolf** **3. PINNOW, Stefan**
(73)	**1.** **2.**
(30)	**1. (DE) 10 2011 121 188.1 - 16-12-2011** **2. (PCT/EP2012/005082) – 08-12-2012** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54)	**DEVICE AND PROCESS FOR GENERATING A GAS VIA EXTRACTING HEAT FROM WASTE HEAT AT LOW TEMPERATURE**
	Patent Period Started From 08/12/2012 and Will end on 07/12/2032

(57) A device and a method are described for lowering the content of NOx and N2O in gases. The device comprises: A) a container (1) and, arranged therein, B) two reaction steps connected one after the other for removing NOx (DeNOx stage) by reducing NOx with a nitrogen-containing reducing agent and, downstream thereof, for removing N2O by catalytic decomposition of N2O to N2 and O2 (DeN2O stage), which each consist of one or more catalyst beds (7, 8) and through which the gas that is to be purified flows, wherein C) the at least one catalyst bed of the DeNOx stage (7) contains a catalyst for reducing NOx with nitrogen-containing reducing agents which catalyst contains zeolites doped with transition metals, including the lanthanides, D) the at least one catalyst bed of the DeN2O-stage (8) contains a catalyst for decomposing N2O into N2 and O2, which contains one or more catalytically active compounds of elements selected from groups 5 to 11 of the Periodic Table of the Elements with the exception of iron-doped zeolites, and E), upstream of the DeNOx stage (7), a device for introducing a nitrogen-containing reducing agent into the stream of the NOx and N2O-containing gas is provided. The combination used according to the invention of catalysts permits a very simple structure and a very economic operation of the reactor.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/09/2014** **1514/2014** **April 2017** **15/08/2017** **28148**

(51)	**Int. Cl. [8] C01D 3/26 & C25B 1/00**
(71)	**1. AKZO NOBEL CHEMICALS INTERNATIONAL B.V** **2.** **3.**
(72)	**1. LAMMERS, Hans** **2. MEIJER, Johannes Albertus Maria** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 12162533.9 - 30-03-2012** **2. (EP) 2162544.6- 30-03-2012** **3. (US) 61/619.997 - 04-04-2012** **4. (US) 61/620.033 - 04-04-2012** **5. (PCT/EP2013/056459) – 27-03-2013**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54)	**STABILIZATION OF AN AQUEOUS SOLUTION OF AN ORGANIC IRON SALT**
	Patent Period Started From 27/03/2013 and Will end on 26/03/2033

(57) Process and station for stabilizing an aqueous solution of an iron salt of an organic acid with a ferric component and a ferrous component of less solubility than the ferric component, such as the aqueous solution based on the Fe3+ salt of meso-tartaric acid. To stabilize the content of the dissolved ferric salt, the solution is at least partly subjected to electrolytic oxidation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/06/2015** **0982/2015** **April 2017** **15/08/2017** **28149**

(51)	**Int. Cl. [8] A23L 1/00 & A23C 19/05**
(71)	**1. ANIMAL PRODUCTION RESEARCH INSTITUTE (Egypt)** **2.** **3.**
(72)	**1. Dr/ Eman Fouad Mohamed** **2. Dr/ Neamah Raef Attalla** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**EMAN FOUAD MOHAMED**
(12)	**Patent**

(54)	**PRODUCTION OF SOFT CHEESE FROM MILK CAMEL MILK WITH TWO DIFFRENT FLAVORS**
	Patent Period Started From 15/06/2015 and Will end on 14/06/2035
(57)	New innovation is about producing soft cheese milk with two different flavors by using natural raw material . The produced cheese has high protein and minerals contents especially Irion Magnesium .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/11/2013** **1690/2013** **April 2017** **15/08/2017** **28150**

(51)	**Int. Cl. [8] B01J 19/12 & C02F 1/48**
(71)	**1. OKEANOS CORPORATION (SLOVAKIA)** **2.** **3.**
(72)	**1. GREGA, Samuel** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (SK) PP 34-2011 - 04-05-2011** **2. (PCT/EP2012/001891) – 03-05-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD FOR PHYSICALLY WORKING AND/OR HEATING MEDIA, IN PARTICULAR LIQUIDS, AND DEVICE FOR CARRYING OUT THE METHOD

Patent Period Started From 30/05/2012 and Will end on 29/05/2032

(57) The invention relates to a method for physically working and/or heating media, in particular liquids. The high expenditure of energy of the known methods can be avoided, with reduced environmental impact, by the hydrodynamically worked medium being exposed to polar and/or ionic electrochemical potentials and electrochemical signals RC AC.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/09/2014** **1536/2014** **April 2017** **15/08/2017** **28151**

(51)	**Int. Cl. [8] B23K 35/00, 35/02, 35/365 & C22C 19/00**
(71)	**1. ALFA LAVAL CORPORATE AB (SWEDEN)** **2.** **3.**
(72)	**1. SJODIN, Per** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 12161742.7 - 28-03-2012** **2. (PCT/EP2013/056544) – 27-03-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) A NOVEL COATING CONCEPT

Patent Period Started From 27/03/2013 and Will end on 26/03/2033

(57) The present invention relates to composition comprising a blend of at least one boron source and at least one silicon source, and the composition further comprises particles selected from particles having wear resistance properties, particles having surface enhancing properties, particles having catalytic properties or combinations thereof, wherein the blend comprises boron and silicon in a weight ratio boron to silicon within a range from about 3:100 wt:wt to about 100:3 wt:wt, wherein silicon and boron are present in the blend in at least 25 wt%, and wherein the at least one boron source and the at least one silicon source are oxygen free except for inevitable amounts of contaminating oxygen, and wherein the blend is a mechanical blend of particles in and the particles have an average particle size less than 250 ?m. The present invention relates further to a method for providing a coated product and a coated product obtained by the method.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/02/2015** **0313/2015** **February 2017** **15/08/2017** **28152**

(51)	**Int. Cl. [8] A24F 1/39 A24D 1/14**
(71)	**1. THE SHISHA COMPANY LIMITED (GERMAN)** **2.** **3.**
(72)	**1. PORTZ, Michael** **2. MALHERBE, Willem Stephanus** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/EP2012/066846) – 30-08-2012** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**WATER PIPE HEAD**
	Patent Period Started From 30/08/2012 and Will end on 29/08/2033

(57) The invention relates to a water pipe head comprising a capsule including smokeable material, a first sealing element being detachably attached to a first surface of the capsule and a second sealing element being detachably attached to a second surface of the capsule for sealing the capsule, a guiding element having a first opening in which the capsule is held, an opposing second opening and an intermediate passage connecting the first opening and the second opening, and a longish element being attached to the first sealing element and extending from the first sealing element through the intermediate passage and through the second opening to the outside of the guiding element.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/10/2014** **1651/2014** **April 2017** **15/08/2017** **28153**

(51)	**Int. Cl. [8] F17C 13/00**
(71)	**1. L'AIR LIQUIDE,SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES** **2. PROCEDES GEORGES CLAUDE (FRANCE)** **3.**
(72)	**1. LIGONESCHE, Renaud** **2. TRINDADE, FranCois** **3. LEBEGUE, William**
(73)	**1.** **2.**
(30)	**1. (FR) 1253604 - 19-04-2012** **2. (PCT/ER2013/050621) – 22-03-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**PROTECTIVE CAP FOR A PRESSURISED FLUID CYLINDER VALVE AND PRODUCTION METHOD THEREOF**
	Patent Period Started From 22/03/2013 and Will end on 21/03/2033

57) The invention relates to a protective cap for a pressurised fluid cylinder valve, comprising a hoop defining a sheltered protected space, the lower end of the hoop being secured to the generally annular base that is intended to be mounted around the neck of a pressurised fluid cylinder. The cap is characterised in that the hoop comprises a draw-formed metal sheet. The invention also relates to the corresponding method.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/08/2014** **133/2014** **April 2017** **15/08/2017** **28154**

(51)	**Int. Cl. [8] C01B 3/02, 3/36, 3/38, 3/48**
(71)	**1. CASALE SA (SWITZERLAND)** **2.** **3.**
(72)	**1. FILIPPI, Ermanno** **2. OSTUNI, Raffaele** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 12156815.8 - 24-02-2012** **2. (PCT/EP2013/050628) – 15-01-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESS FOR PRODUCING AMMONIA SYNTHESIS GAS AND A RELATED FRONT-END OF AN AMMONIA PLANT

Patent Period Started From 15/01/2013 and Will end on 14/01/2033

(57) A process for producing ammonia synthesis gas from a hydrocarbon source, comprising: conversion of the hydrocarbon source into a raw synthesis gas in ATR or POX reactor which is fired with oxygen or oxygen-enriched air; a water-gas shift treatment of the raw synthesis gas, which consist of a medium-temperature shift at a temperature of 200 -300 ?C, thus obtaining a shifted synthesis gas; purification of said shifted synthesis gas including at least a step of pressure-swing adsorption to remove residual carbon oxides and methane from the synthesis gas, obtaining a purified synthesis gas, and optionally, addition of nitrogen to said purified synthesis gas, thus obtaining ammonia synthesis gas with a desired hydrogen to nitrogen ratio.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/04/2015** **0512/2015** **February 2017** **17/08/2017** **28155**

(51)	**Int. Cl. [8] F28D 20/2 & F28F 21/08, 1/20, 1/22, 1/36 & F22B 1/02, 1/00**
(71)	**1. COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES** **2. (FRANCE)** **3.**
(72)	**1. OLCESE, Marco** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 1259562 - 08-10-2012** **2. (PCT/EP2013/070849) – 07-10-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) HEAT EXCHANGER FOR THERMAL STORAGE SYSTEM

Patent Period Started From 07/10/2013and Will end on 06/10/2033

(57) Thermal storage system comprising a shell, tubes through which a heat-transfer fluid is intended to flow, and a phase-change material surrounding said tubes, fins for the exchange of heat with the phase-change material being fixed to an exterior surface of the tubes, said thermal storage system also comprising at least one insert made of thermally conducting material positioned around said tubes, said insert comprising at least one housing to accommodate the tubes, at least in part, with clearance, said insert comprising a collection of branches made of thermally conductive material so that it forms a network that distributes and collects heat through the phase-change material.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/04/2015** **0575/2015** **April 2017** **20/08/2017** **28156**

(51)	**Int. Cl. [8] B66B 13/14 & B66B 13/26**
(71)	**1. INVENTIO AG (SWITZERLAND)** **2.** **3.**
(72)	**1. SAX, Peter** **2. STOCKER, Hansueli** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) EP12190478.3 - 30-10-2012** **2. (PCT/EP2013/072492) – 28-10-2013** **3.**
(74)	**MAGDA SHEHATA HAROUN**
(12)	**Patent**

(54) **DEVICE FOR PREVENTING EXCESSIVE SPEED OF A DOOR LEAF CAUSED BY A POWER ACCUMULATOR**

Patent Period Started From 28/10/2013 and Will end on 27/10/2033

(57) Disclosed is a device for preventing excessive speed of a door leaf caused by a power accumulator, the device comprising: a door leaf, which can be displaced between an open position and closed position, a power accumulator, which is coupled to the door leaf and which provides the energy for the closing movement of the door leaf in the event of failure of the electric energy supply, a door drive, which is coupled to the door leaf, wherein electric energy can be induced in the door drive during a closing movement in the door leaf, a door control unit, which actuates the door drive and which is suitable for regulating the movement velocity of the door leaf, wherein the door control unit can be operated by the induced electric energy in the event of failure of the electric energy supply. Further disclosed is a method for operating a lift door.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/07/2013** **1183/2013** **February 2017** **20/08/2017** **28157**

(51)	**Int. Cl. [8] A01N 43/40 & A61K 31/44**
(71)	**1. DOW AGROSCIENCES LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. YADAV, Mayank** **2. RAMACHANDRAN, Suresh** **3. KUNDU, Sanjoy**
(73)	**1.** **2.**
(30)	**1. (US) 61/437,0227 - 28-01-2011** **2. (PCT/US2012/022815) – 27-01-2012** **3.**
(74)	**Abd Elhade office**
(12)	**Patent**

(54)	**CONTROLLING MEALYBUGS**
	Patent Period Started From 27/01/2012 and Will end on 26/01/2033

(57) Provided herein a process to control mealybugs, said process coprising applying, to a locus where cotton is growing , wherin said locus is inhabited with mealybugs, a synergittic copmosition comprising two active ingredients selected from the group cosisting of Chicorpyrifos (or Chlorpyrifos - methyl) and Sulfoxaflor , wherin said synergistic composition the weight of Chlorpyrifos (or Chlorpyrifos-methyl) to Sulfoxaflor is from about 10:1 to about 5:1.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/03/2013** **0360/2013** **February 2017** **17/08/2017** **28158**

(51)	**Int. Cl. [8] B26B 21/52**
(71)	**1. THE GILLETTE COMPANY LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MURGIDA, Matthew, Frank** **2. FATHALLAH, Paul** **3. JOHNSON, Robert, Harold**
(73)	**1.** **2.**
(30)	**1. (US) 61/387,621 - 29-09-2010** **2. (US) 13/221,012 - 03-08-2011** **3. (PCT/US2011/053800) – 29-09-2011**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54)	**FLEXIBLE AND SEPARABLE PORTION OF A RAZOR HANDLE**
	Patent Period Started From 29/09/2011 and Will end on 28/09/2031

(57) A handle for a shaving razor, the handle comprising a frame and a flexible pod coupled to the frame. The flexible pod comprises a base with a first mounting member. The first mounting member corresponds in shape and mates with a second mounting member of the frame. The flexible pod is compressible and de - compressible to engage the first mounting member of the flexible pod with the second mounting member of the frame.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/10/2013** **1826/2013** **February 2017** **17/08/2017** **28159**

(51)	**Int. Cl. [8] A01N 47/38, 43/40 & A01P 7/00**
(71)	**1. SUMITOMO CHEMICAL COMPANY, LIMITED (JAPAN)** **2.** **3.**
(72)	**1. SHIMOKAWATOKO, Yasutaka** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2010-104094 - 28-04-2010** **2. (JP) 2011-008515 - 19-01-2011** **3. (PCT/JP2011/059464) – 11-04-2011**
(74)	**ABD ELHADY**
(12)	**Patent**

(54)	**PEST CONTROLLING COMPOSITION**
	Patent Period Started From 11/04/2011 and Will end on 10/04/2031

(57) A pest controlling composition comprising pyridalyl and indoxacarb.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/11/2012** **1846/2012** **May 2017** **17/08/2017** **28160**

(51)	**Int. Cl. [8] F28D 20/00 & F24D 11/00 & F24H 7/00 & F24J 2/34**	
(71)	**1. BASF SE (GERMANY)** **2.** **3.**	
(72)	**1. WORTMANN, Jurgen** **2. SCHAFER, Claus** **3. LUTZ, Michael** **4. SEELER, Fabian** **5. GARTNER, Martin**	**6. MAJOR, Felix** **7. SCHIERLE-ARNDT, Kerstin** **8. MACHHAMMER, Otto** **9. HUBER, Gunther** **10 MAURER, Stephan**
(73)	**1.** **2.**	
(30)	**1. (EP) 10161922.9 - 04-05-2010** **2. (PCT/EP2011/056946) – 02-05-2011** **3.**	
(74)	**TAHA HANAFY MAHMOUD**	
(12)	**Patent**	

(54) DEVICE AND METHOD FOR STORING HEAT

Patent Period Started From 02/05/2011 and Will end on 01/05/2031

(57) The invention relates to a device for storing heat, comprising a heat storage medium, which for storing heat takes up heat and for using the stored heat gives off heat, and a tank for receiving the heat storage medium, wherein the tank is closed by a gas-tight covering, and means for volume equalization are comprised, in order to equalize an increase in volume of the heat storage medium as a result of an increase in temperature and a decrease in volume as a result of a decrease in temperature. The invention also relates to a method for storing heat, in which, for storing heat, heat is transferred to a heat storage medium or, for using heat, heat is removed from the heat storage medium and passed to the heat transfer medium, wherein the heat storage medium is held in a tank, which is closed by a gas-tight covering, wherein an expansion of the volume of the heat storage medium is equalized by an increase in the volume of the tank, or by heat storage medium flowing out of the tank into a buffer tank, and a decrease in the volume of the heat storage medium is equalized by a reduction in the volume of the tank or by heat storage medium flowing out of the buffer tank into the tank.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/11/2013** **1755/2013** **April 2017** **17/08/2017** **28161**

(51)	**Int. Cl. [8] F16L 53/00**	
(71)	**1. BASF SE (GERMANY)** **2.** **3.**	
(72)	**1. WORTMANN, Jurgen** **2. LUTZ, Michael** **3. GARTNER, Martin** **4. SCHIERLE-ARNDT, Kerstin**	**5. MACHHAMMER, Otto** **6. LADENBERGER, Michael** **7. GARTNER, Martin** **8. GARLICHS, Florian**
(73)	**1.** **2.**	
(30)	**1. (EP) 11166724.2 - 19-05-2011** **2. (EP) 11182898.4 - 27-09-2011** **3. (US) 61/487,719 - 19-05-2011** **4. (US) 61/539,494 - 27-09-2011** **5. (PCT/EP2012/059185) – 16-05-2012**	
(74)	**TAHA HANAFY MAHMOUD**	
(12)	**Patent**	

(54) PIPELINE FOR CONVEYING A SALT MELT

Patent Period Started From 16/05/2012 and Will end on 15/05/2032

(57) The invention relates to a pipeline for conveying a salt melt, comprising a pipe wall that is stable with respect to occurring temperatures. Inside the pipeline, a heating conductor for heating is guided, wherein the heating conductor preferably does not contact the inner wall of the pipeline.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/03/2014** **0326/2014** **April 2017** **20/08/2017** **28162**

(51)	**Int. Cl. [8] C09K 8/68, 8/70, 8/72**
(71)	**1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. CARMAN, Paul S** **2. GUPTA, D.V. Satyanarayana** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 13/236,378 19-09-2011** **2. (PCT/US2012/043308) – 20-06-2012** **3.**
(74)	**NAHED WADIH RIZK**
(12)	**Patent**

(54) COMPOSITIONS AND METHODS OF TREATING HIGH TEMPERATURE SUBTERRANEAN FORMATIONS

Patent Period Started From 20/06/2012 and Will end on 19/06/2032

(57) The present invention relates to a method of fracturing a subterranean formation having a temperature of from 300 f (149 c) to 500 f (260 c),the method comprising the step of contacting a high temperature well treatment fluid comprising water, a high molecular weight copolymer derived from acrylamide acrylamidomethyl propanesulfonic acid, and vinyl phosphonate,. A crosslinking agent., a stabilizer comprising phenothiazine or a combination of sodium thiosulfate and phenothiazine., and foaming agent, with at least a portion of the subterranean formation at pressures sufficient to fracture the subterranean formation., wherein the foaming agent is a foaming gas selected from nitrogen and carbon dioxide., and wherein the high molecular weigh copolymer has a k-value of 50 to 750 as determined according to ISO 1628-2.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/10/2014** **1566/2014** **April 2017** **21/08/2017** **28163**

(51)	**Int. Cl. [8] B63B 3/26**
(71)	**1. ROSEN, Hakan (SWEDEN)** **2.** **3.**
(72)	**1. ROSEN, Hakan** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (SE) 1250361-1 - 11-04-2012** **2. (PCT/SE2013/050344) - 27-03-2013** **3.**
(74)	**SOHEER, MICHEAL REZK**
(12)	**Patent**

(54)	**MARINE HULL AND MARINE VESSEL**
	Patent Period Started From 27/03/2013 and Will end on 28/03/2033

(57) The invention relates to a marine hull comprising a hull plate manufactured from metal, a set of longitudinal reinforcements and a set of transverse reinforcements, at least one longitudinal reinforcement of said set of longitudinal reinforcements being arranged between the hull plate and at least one transverse reinforcement of said set of transverse reinforcements, and being connected to an inside of the hull plate. The marine hull is characterized in that the hull plate has a thickness that is less than 10 mm, and that said at least one longitudinal reinforcement is manufactured from the same metal as said hull plate and comprises at least one resilient segment arranged to spring in the direction transverse to the thickness of the hull plate, and that said resilient segment is arranged to bottom upon a compression that is more than 10 mm and less than 50 mm.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/08/2011** **1380/2011** **April 2017** **21/08/2017** **28164**

(51)	**Int. Cl. [8] F16L 58/10, 57/06 & C09D 177/00**
(71)	**1. SALZGITTER MANNESMANN LINE PIPE GMPH (GERMANY)** **2.** **3.**
(72)	**1. DOWE, Andreas** **2. GORING, Rainer** **3. KOCKS, Hans-JUrgen** **WINKELS, Jorn**
(73)	**1.** **2.**
(30)	**1. (DE) 10 2009 001 001.7 - 19-02-2009** **2. (JPC/EP2010/050622) – 20-01-2010** **3.**
(74)	**SALWA MICHEAL REZK**
(12)	**Patent**

(54) A CONDUIT PIPE FOR PRODUCING A DUCT LAID IN WATER

Patent Period Started From 20/01/2010 and Will end on 9/01/2030

(57) A metal conduit pipe, which is covered with an extruded layer made of polyamide moulding compound, is used to produce a duct laid in water, wherein in the course of laying the duct, the coating is exposed to a shearing pressure load and/or a bending load due to laying method selected.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/05/2015** **0684/2015** **April 2017** **21/08/2017** **28165**

(51)	**Int. Cl. [8] B24C 5 /00**
(71)	**1. UNIBIND LIMITED (CYPRUS)** **2.** **3.**
(72)	**1. PELEMAN, Guido** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (BE)2012/0759 - 07-11-2012** **2. (BE)2013/0014 - 09-01-2013** **3. (PCT/IB2013/002315) – 28-10-2013**
(74)	**SALWA MICHEAL REZK**
(12)	**Patent**

(54)	**METHOD FOR BINDING A BUNDLE OF LEAVES, A BUNDLE OF LEAVES, METHOD AND DEVICE FOR FORMING SUCH A BUNDLE OF LEAVES**
	Patent Period Started From 28/10/2013 and Will end on 27/10/2033

(57) Method for binding a bundle of leaves in a binding back, whereby the bundle is placed in the binding back with an edge of the leaves and fastened therein, characterised in that for the binding use is made of a bundle of leaves of which a strip of each of the leaves has been separately double folded beforehand along the same line to form a fold line that extends parallel to and at a distance from the aforementioned edge.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/12/2013** **2009/2013** **January 2017** **22/08/2017** **28166**

(51)	**Int. Cl. [8] G5F 3/16 & H5B 33/08**
(71)	**1. ACCURIC LTD (UNITED KINGDOM)** **2.** **3.**
(72)	**1. BANNISTER, Dave** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 1111359.4 - 04-07-2011** **2. (GB) 1210561.5 - 14-06-2012** **3. (PCT/GB2012/051448) – 22-06-2012**
(74)	**SMAS Intellectual Property**
(12)	**Patent**

(54)	**CURRENT REGULATOR**
	Patent Period Started From 22/06/2012 and Will end on 21/06/2032

(57) The present application describes a current regulator for providing a regulated current from an input voltage. The current regulator comprises a voltage regulator circuit, operable to provide a regulated voltage, which comprises a plurality of Zener diodes connected in parallel.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/11/2012** **1915/2012** **February 2017** **22/08/2017** **28167**

(51)	**Int. Cl. [8] C22C 38/02, 38/04, 38/12, 38/22, 38/24, 38/26**	
(71)	**1. VALLOUREC MANNESMANN OIL & GAS FRANCE (FRANCE)** **2.** **3.**	
(72)	**1. PIETTE, Michel** **2. HOERSTEMEIER, Michaela** **3. MARCHEBOIS, Herve**	**4. BOSCH, Christoph** **5. KONRAD, Joachim** **6. DELATTRE, Laurent**
(73)	**1.** **2.**	
(30)	**1. (FR) 1054418 - 04-06-2010** **2. (PCT/EP2011/058134) – 19-05-2011** **3.**	
(74)	**SMAS Intellectual Property**	
(12)	**Patent**	

(54) LOW-ALLOY STEEL HAVING A HIGH YIELD STRENGTH AND A HIGH SULPHIDE-INDUCED STRESS CRACKING RESISTANCE

Patent Period Started From 19/05/2011 and Will end on 18/05/2031

(57) Steel containing, by weight: 0.3 to 0.5% C; 0.1 to 1% Si; 1% Mn or less; 0.03% P or less; 0.005% S or less; 0.3 to 1% Cr; 1 to 2% Mo; 0.3 to 1% W; 0.03 to 0.25% V; 0.01 to 0.15% Nb; 0.01 to 0.1% Al, the balance of the chemical composition of the steel consisting of Fe and impurities or residuals resulting from or as a necessary consequence of the smelting and casting processes carried out on the steel. The steel serves for manufacturing weldless pipes for hydrocarbon wells, the yield strength of the steel after heat treatment being equal to or greater than 862 MPa, or even equal to or greater than 965 MPa.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/12/2012** **1954/2014** **March 2017** **22/08/2017** **28168**

(51)	**Int. Cl. [8] F16L 15/04**
(71)	**1. NIPPON STEEL AND SUMITOMO METAL CORPORATION (JAPAN)** **2. VALLOUREC OIL AND GAS FRANCE (FRANCE)** **3.**
(72)	**1. SASAKI Masayoshi** **2. SUMITANI Katsutoshi** **3. GOTO Kunio**
(73)	**1.** **2.**
(30)	**1. (JP) 2012-130134 - 07-06-2012** **2. (PCT/JP2013/065472) – 04-06-2013** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) THREADED COUPLING FOR STEEL PIPE

Patent Period Started From 04/06/2013 and Will end on 03/06/2033

(57) This threaded coupling for steel pipe is formed with a pin and a box, each equipped with a contact surface, which has an unthreaded metal contact part that includes a seal part, and has a threaded part. On the contact surface of the pin and/or the box there is formed an ultraviolet-curable resin film, and an acrylic silicone resin film is formed on at least a portion of the surface of the ultraviolet-curable resin film.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/02/2012** **0297/2012** **April 2017** **22/08/2017** **28169**

(51)	**Int. Cl. [8] E21B 43/04, 43/08, 33/12, 34/06**	
(71)	**1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. KITZMAN, Jeffery, D** **2. CORONADO, Martin, P.** **3. EDWARDS, Jeffry, S.**	**4. CLEM, Nicholas, J.**
(73)	**1.** **2.**	
(30)	**1. (US) 12/553,429 - 03-09-2009** **2. (PCT/US2010/046576) – 25-08-2010** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) FRACTURING AND GRAVEL PACKING TOOL WITH UPPER ANNULUS ISOLATION IN A REVERSE POSITION WITHOUT CLOSING A WASH PIPE VALVE

Patent Period Started From 25/08/2010 and Will end on 24/08/2030

(57) A fracturing and gravel packing tool has features that prevent well swabbing when the tool is picked up with respect to a set isolation packer. An upper or jet valve allows switching between the squeeze and circulation positions without risk of closing the wash pipe valve. The wash pipe valve can only be closed with multiple movements in opposed direction that occur after a predetermined force is held for a finite time to allow movement that arms the wash pipe valve. The jet valve can prevent fluid loss to the formation when being set down whether the crossover tool is supported on the packer or on the smart collet.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/04/2011** **0572/2011** **May 2017** **23/08/2017** **28170**

(51)	**Int. Cl. [8] A61M 1/00**
(71)	**1. MOHAMED MOHAMED ADEL EL SOKKARY (EGPYT)** **2.** **3.**
(72)	**1. MOHAMED MOHAMED ADEL EL SOKKARY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**ECONOMIC MICROARRAY PRINTER**
	Patent Period Started From 13/04/2011 and Will end on 12/04/2031

(57) DNA microarray being printed by a robot and the Microarrays can be fabricated using a variety of technologies. The probes are synthesized prior to deposition on the array surface and are then "spotted" onto glass.

A common approach utilizes an array of fine pins or needles controlled by a robotic arm that is dipped into wells containing DNA probes and then depositing each probe at designated locations on the array surface.

The resulting "grid" of probes represents the nucleic acid profiles of the prepared probes and is ready to receive complementary cDNA or cRNA "targets" derived from experimental or clinical samples. This technique is used by research scientists around the world to produce "in-house" printed microarrays from their own labs.

These arrays may be easily customized for each experiment, because researchers can choose the probes and printing locations on the arrays

The newly developed prototype is the simplest, easiest and economic way to prepare "in-house" printed microarrays with integrated controlling system and working under highly precise . With no need for sophisticated or expensive equipments.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/07/2013** **1180/2013** **March 2017** **23/08/2017** **28171**

(51)	**Int. Cl. [8] G06Q 10/00 , 30/00**
(71)	**1. RHO KYOO SOO (REPUBLIC OF KOREA)** **2.** **3.**
(72)	**1. RHO Kyoo Soo** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/KR2011/001278) – 24-02-2011** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHOD FOR PROVIDING MULTI-LEVEL MEMBERSHIP MANAGEMENT SERVICE**
	Patent Period Started From 24/02/2011 and Will end on 23/02/2031

(57) Disclosed is a method for providing a multi-level membership management service for feeding back profit by setting up a multi-level membership relationship for members subscribed online. The management server sets up a multi-level membership relationship where a user who applied for a membership subscription is registered as a member, and is also included as an inferior of a predetermined location within a pre-established tree structure. When a specific product or service launched by a specific member from the members registered in the management server is sold, the management server reorganizes the tree structure so that the specific member is put as the most superior in the tree structure, and the profit from the specific product is fed back to each of the members according to the reorganized tree structure. While the conventional multi-level membership management structure does not enable a newly subscribed person to attract inferiors, the present invention distributes the profit according to the reorganization where a specific product or service newly launched by the newly subscribed person is put at the most superior, thereby enabling lower psychological resistance towards new membership subscription, which allows multi-level member management to become more active.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/06/2014** **1074/2014** **March 2017** **23/08/2017** **28172**

(51)	**Int. Cl. [8] B65D 41/04, 53/04**
(71)	**1. CLOSURE SYSTEMS INTERNATIONAL JAPAN, LIMITED (JAPAN)** **2.** **3.**
(72)	**1. HARADA Mitsuharu** **2. HISANO Masataka** **3. OGINO Akiko**
(73)	**1.** **2.**
(30)	**1. (JP) 2011-285164 - 27-12-2011** **2. (PCT/JP2011/082484) – 14-12-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**SYNTHETIC RESIN CAP, SYNTHETIC RESIN CAP LINER, CLOSURE DEVICE AND BEVERAGE-CONTAINING CLOSURE DEVICE**
	Patent Period Started From 14/12/2012 and Will end on 3/12/2032

(57) A synthetic resin cap provided with a main cap body having a cylindrical part extending down from a top plate and the rim thereof, and a liner provided on the lower surface of the top plate. The liner has a flat part, an inner sealing protrusion that abuts the open end from the internal circumferential side thereof, and an outer sealing protrusion that abuts the open end from the outer circumferential side. The outer circumference of the liner is formed so as to be separate from the cylindrical part on the inside thereof and secure a space between the liner and the cylindrical part. The outer diameter of the outer sealing protrusion is smaller than the outer diameter of the open end.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/06/2014** **0946/2014** **April 2017** **24/08/2017** **28173**

(51)	**Int. Cl. [8] A61F 9/00**
(71)	**1. DIKRAN GILBERT GHOUGAS HOVAGHIMIAN (EGPYT)** **2.** **3.**
(72)	**1. DIKRAN GILBERT GHOUGAS HOVAGHIMIAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**MULTIFUNCTIONAL RETINAL MEMBRANE TWISTER AND, PEELER**
	Patent Period Started From 10/06/2014 and Will end on 09/06/2034

(57) A stainless steel or titanium multifunctional epiretinal and subretinal membrane dissector that has a twisting action to peel retinal membranes during vitrectomy . It consists of a handle and a shaft. The distal end of the shaft is bisected and each part is curved and reshaped into 2 separate micro surgical retinal instruments, to mange the membranes. The 2 ends are curved in a such a way to make them a cockwise or anti clockwise rotators or twisters, making the instrument attain micro forceps function. The instrument can also cauterize bleeding vessels through connecting them to the bipolar diathermy unit.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/02/2011** **0219/2011** **April 2017** **24/08/2017** **28174**

(51)	**Int. Cl. [8] A61F 6/18 & A61F 9/00**	
(71)	**1. Bayer Oy (FINLAND)** **2.** **3.**	
(72)	**1. ILKKA Jutila,** **2. LYYTIKAINEN, Heikki** **3. CALVO ALONSO, Ulla**	**4. TJADER, Taina** **5. ALI-AIJALA, Marjo**
(73)	**1.** **2.**	
(30)	**1. (FI) 20080523 - 17-09-2008** **2. (PCT/FI2009/050735) – 14-09-2009** **3.**	
(74)	**Nour and Salim in cooperation with Tamimi and his partners**	
(12)	**Patent**	

(54)	**AN INSERTER**
	Patent Period Started From 14/09/2009 and Will end on 13/09/2028

(57) The invention relates to an inserter for an intrauterine system, comprising a handle having a longitudinal opening at its first end, said opening having a longitudinal axis parallel to the longitudinal axis of the inserter, a first end and a second end, a movable slider arranged in said longitudinal opening and having a first end and a second end, a plunger attached to the handle, an insertion tube arranged around the plunger having a first end and a second end, with its second end attached to the slider, wherein the inserter further comprises locking means for reversibly locking the intrauterine system in relation to the plunger via a removal string of the intrauterine system, said locking means being controllable by the slider and/or the insertion tube.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/11/2014** **1829/2014** **May 2017** **27/08/2017** **28175**

(51)	**Int. Cl. [8] B32B 27/32, 25/08, 27/00 & B65D 65/40, 81/24 & C08L 23/14, 25/04 & A61J 1/10**
(71)	**1. OTSUKA TECHNO CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. SUZUE, Koji** **2. KAWAI, Masaomi** **3. MATSUO, Hironobu**
(73)	**1.** **2.**
(30)	**1. (JP) 2012-111852 - 15-05-2012** **2. (PCT/JP2013/062958) – 08-05-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) MULTILAYER FILM, DRUG SOLUTION CONTAINER AND PROCESS FOR PRODUCTION THEREOF

Patent Period Started From 08/05/2013 and Will end on 07/05/2033

(57) This multilayer film has a laminate structure comprising at least three layers, namely, an innermost layer, an outermost layer and an intermediate layer therebetween, wherein the innermost layer comprises a mixture which comprises 40 to 80wt% of a composite polypropylene-based resin that contains at least two polypropylene-based resins having melting points different from each other and 60 to 20wt% of a thermoplastic elastomer (E). The two polypropylene-based resins comprise (A) a random copolymer that has a relatively low melting point and that is obtained by polymerization in the presence of a metallocene catalyst and (B) a random copolymer that has a melting point higher than that of the random copolymer (A).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/09/2013** **1513/2013** **May 2017** **27/08/2017** **28176**

(51)	**Int. Cl. [8] C02F 1/00**
(71)	**1. CRYSTAL LAGOONS (CURACAO) B.V (NETHERLANDS)** **2.** **3.**
(72)	**1. FISCHMANN T., Fernando** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/469,537 - 30-03-2011** **2. (US) 13/136,474 - 01-08-2011** **3. (PCT/US2011/051236) – 12-09-2011**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) SYSTEM FOR TREATING WATER USED FOR INDUSTRIAL PURPOSES

Patent Period Started From 12/09/2011 and Will end on 11/09/2031

(57) A low cost method for treating water, which will be used in an industrial process, is provided. A system of the invention generally includes at least one containing means, at least one coordination means, at least one chemical application means, at least one mobile suction means, and at least one filtration means. The coordination means can control the necessary processes depending on the system needs (e.g., water quality or purity). The method and system of the invention purifies the water and eliminates suspended solids without the need of filtering the totality of the water volume, but only filtering a small fraction of up to 200 times less than the flow filtered by a conventional water treatment filtration system.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/07/2014** **1210/2014** **May 2017** **27/08/2017** **28177**

(51)	**Int. Cl. [8] B01D 3/00, 3/14**
(71)	**1. CASALE SA (SWITZERLAND)** **2.** **3.**
(72)	**1. FILIPPI, Ermanno** **2. OSTUNI, Raffaele** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 12152185.0 - 23-01-2012** **2. (PCT/EP2012/072353) – 12-11-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**PROCESS AND PLANT FOR DISTILLATION OF METHANOL WITH HEAT RECUPERATION**
	Patent Period Started From 12/11/2012 and Will end on11/11/2032

(57) Process and plant for refining crude methanol, comprising at least three distillation stages operating in cascade at decreasing pressures, wherein a first stage operates at a maximum distillation pressure (p2), a second stage operates at a medium distillation pressure (p3), and a final distillation stage operates at a minimum distillation pressure (p4), wherein the first stage and the distillation stage each produce a respective gaseous stream of distilled methanol, and a respective solution containing methanol that is fed to the next distillation stage, and wherein at least one first gaseous stream of distilled methanol, produced in the first distillation stage, and a second gaseous stream of distilled methanol, produced in the second distillation stage, are used as heat sources to heat the second distillation stage and the final distillation stage, respectively.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/05/2013** **0922/2013** **February 2017** **27/08/2017** **28178**

(51)	**Int. Cl. [8] F24J 2/07, 2/18 & F03G 6/00**	
(71)	**1. GENERAL ELECTRIC TECHNOLOGY GMBH** (SWITZERLAND) **2.** **3.**	
(72)	**1. HAUETER, Philipp** **2. STEINFELD, Aldo** **3. SIMIANO, Marco**	**4. HISCHIER, Illias**
(73)	**1.** **2.**	
(30)	**1. (GB) 1020633.2 - 06-12-2010** **2. (PCT/EP2011/070524) – 21-11-2011** **3.**	
(74)	**AMR MOFED KAMAL EL DEB**	
(12)	**Patent**	

(54) SOLAR RECEIVER, METHOD OF COOLING A SOLAR RECEIVER AND A POWER GENERATION SYSTEM

Patent Period Started From 21/11/2011 and Will end on 20/11/2031

(57) A solar receiver, for capturing solar radiation, comprising a radiation capturing element and a channel around that element, through which channel a pressurised working fluid is passed to absorb thermal energy from the radiation capturing element.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/10/2014** **1573/2014** **February 2017** **27/08/2017** **28179**

(51)	**Int. Cl. [8] F28F 13/00 & B01J 19/00**	
(71)	**1. JOHNSON MATTHEY PUBLIC LIMITED COMPANY (UNITED KINGDOM)** **2.** **3.**	
(72)	**1. WHITTENBERGER, William, A** **2. WHITTENBERGER, Joseph, W** **3. DAVIS, Brain, L**	**4. RUNDO, James, A**
(73)	**1.** **2.**	
(30)	**1. (US) 61/619 497 - 03-04-2012** **2. (PCT/US2013/034590) – 29-03-2013** **3.**	
(74)	**AMR MOFED KAMAL EL DEAB**	
(12)	**Patent**	

(54) EXPANDING CENTERS FOR STACKABLE STRUCTURAL REACTORS

Patent Period Started From 29/03/2013 and Will end on 28/03/2033

(57) Described herein are expandable center arrangements for use in a tubular reactor, such as a reformer, for enhancing heat transfer and reactor efficiency. The expandable center arrangement can include a cone being expandable in the radial direction and an expansion weight for promoting expansion of the cone. The cone and expansion weight can be slidably arranged on a center support. Expansion of the cones in the radial direction forces reactor components radially outward to an outer tube that houses the reactor components and expandable center arrangement. Expansion of reactor components towards the outer tube promotes heat for carrying out catalytic reactions.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/01/2012** **0024/2014** **February 2017** **27/08/2017** **28180**

(51)	**Int. Cl. [8] B26B 21/60**	
(71)	**1. THE GILLETTE COMPANY LLC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. PATEL, Ashok, B** **2. JU, Yongqing** **3. SKROBIS, Kenneth, J** **4. STONE, Matthew, R**	**5. PARKER, Jeffrey, S** **6. SLATTERY, Jason, S** **7. SHEN, Bin** **8. NISBY, John, J**
(73)	**1.** **2.**	
(30)	**1. (US) 61/507,704 - 14-07-2011** **2. (PCT/US2012/046577) – 13-07-2012** **3.**	
(74)	**Abdul Hadi Intellectual Property**	
(12)	**Patent**	

(54) RAZOR BLADES HAVING A LARGE TIP RADIUS

Patent Period Started From 13/07/2012 and Will end on 12/07/2032

(57) A razor blade including a substrate with a coating joined to the substrate defining a coated blade. The coated blade including a cutting edge being defined by a blade tip having a tip radius of from 500 to 1500 angstroms. The coated blade having a thickness of between 0.3 and 0.5 micrometers measured at a distance of 0.25 micrometers from the blade tip, a thickness of between 0.4 and 0.65 micrometers measured at a distance of 0.5 micrometers from the blade tip, a thickness of between 0.61 and 0.71 micrometers measured at a distance of 1 micrometer from the blade tip, a thickness of between 0.96 and 1.16 micrometers measured at a distance of 2 micrometers from the blade tip, and a thickness of between 1.56 and 1.91 micrometers measured at a distance of 4 micrometers from the blade tip.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/03/2012** **0588/2012** **May 2017** **27/08/2017** **28181**

(51)	**Int. Cl. [8] A61F 6/14**
(71)	**1. BAYER OY (FINLAND)** **2.** **3.**
(72)	**1. TJADER, Taina** **2. CALVO ALONSO, Ulla** **3. INKI, Pirjo**
(73)	**1.** **2.**
(30)	**1. (FI) 20096003 - 01-10-2009** **2. (PCT/FI2010/050753) – 30-09-2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**AN INTRAUTERINE SYSTEM COMPRISING A THERMOPLASTIC POLYURETHAN ELASTOMER**
	Patent Period Started From 30/09/2010 and Will end on 29/09/2030

(57) The present invention relates to novel intrauterine systems and to methods for manufacturing these systems. An intrauterine system according to the invention comprises a reservoir and a continuous, closed and flexible frame. The frame comprises a thermoplastic polyurethane elastomer made of a polycarbonate diol, 1,6-hexamethylenediisocyanate, and a chain extender.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/07/2014** **1216/2014** **May 2017** **27/08/2017** **28182**

(51)	**Int. Cl. [8] B01D 3/00 & B01D 3/14**
(71)	**1. CASALE S.A (SWITZERLAND)** **2.** **3.**
(72)	**1. FILIPPI, Ermanno** **2. OSTUNI, Raffaele** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 2152187.6 - 23-01-2012** **2. (PCT/EP2012/072443) – 23-11-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESS AND PLANT FOR DISTILLATION OF METHANOL WITH HEAT RECOVERY

Patent Period Started From 23/11/2012 and Will end on 22/11/2032

(57) Process and plant for refining a stream of crude methanol (103), comprising: pre-treatment of the crude methanol in a topping stage (100), for the separation of volatile components, at a defined topping pressure (p1); distillation of methanol with at least one final distillation step of methanol at a defined distillation pressure (p4), in which said distillation pressure (p4) is greater than the topping pressure (p1), and in which a gaseous stream of distilled methanol (440), which is produced in the final distillation step, is used to supply at least part of the heat for the pre- treatment topping step

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/06/2014** **0973/2014** **May 2017** **27/08/2017** **28183**

(51)	**Int. Cl. [8] C04B 11/032 & C04B 28/14**
(71)	**1. SAINT-GOBAIN PLACO SAS (FRANCE)** **2.** **3.**
(72)	**1. MONGROLLE, Jean-Louis** **2. GERMAIN, Jean-Luc** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 1121589.4 - 15-12-2011** **2. (PCT/EP2012/075353) – 13-12-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**A METHOD OF FORMING A GYPSUM BASED PRODUCT**
	Patent Period Started From 13/12/2012 and Will end on 12/12/2032

(57) A method of forming a gypsum based product is disclosed. The method comprises the steps of:

calcining a mixture of water and gypsum under conditions of raised temperature and pressure within a vessel to produce an alpha-hemihydrate slurry therein;

passing the alpha-hemihydrate slurry from the vessel to a mixer for mixing with additional water to produce a settable slurry, which is arranged to set to form the gypsum based product.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/04/2014** **0618/2014** **May 2017** **27/08/2017** **28184**

(51)	**Int. Cl. [8] H01G 4/23 & H01G 4/38**
(71)	**1. RTR ENERGIA, S.L. (SPAIN)** **2.** **3.**
(72)	**1. NUNEZ-BARRANCO PATINO, Cesar** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/ES2012/070581) – 27-07-2012** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) THREE-PHASE CAPACITOR FORMED BY TWO ALIGNED CYLINDERS WITH OVERPRESSURE DISCONNECTION

Patent Period Started From 27/07/2012 and Will end on 26/07/21032

(57) The invention relates to a three-phase capacitor formed by two cylinders, in which each of the cylinders comprises an external part corresponding to a capacitor (1) and (2) and an internal part corresponding to a capacitor (3) and (3'), said capacitors being connected to form a triangle with phases (A), (B) and (C), and in which each capacitor is separated from the adjacent capacitor of each cylinder by an insulating material which, in the event of an overpressure, allows the internal part to move in relation to the external part of each cylinder, thereby breaking the connections in a particular manner, namely: the conductive coating layer (7) which connects armatures (3.1) and (1.2); the conductive coating layer (8) which connected armatures (2.2) and (3'.2); and the connection of the connection cable (6) with phase (C), providing an effective means of protection against internal overpressures.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/06/2011** **1127/2011** **May 2017** **27/08/2017** **28185**

(51)	**Int. Cl. [8] G10L 19/00**
(71)	**1. FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. (GERMANY)** **.**
(72)	**1. NEUSINGER, Matthias** **2. ROBILLIARD, Julien** **3. HILPERT, Johannes**
(73)	**1.** **2.**
(30)	**1. (US) 61/167.607 - 04-08-2009** **2. (PCT/EP2010/054448) – 01-04-2010** **3.**
(74)	**NAHED WADEA REZK**
(12)	**Patent**

(54) APPARATUS AND METHOD FOR UPMIXING A DOWNMIX AUDIO SIGNAL USING A PHASE VALUE SMOOTHING

Patent Period Started From 01/04/2010 and Will end on 31/03/2030

(57) An apparatus for upmixing a downmix audio signal describing one or more downmix audio channels into an upmixed audio signal describing a plurality of upmixed audio channels comprises an upmixer and a parameter determinator. The upmixer is configured to apply temporally variable upmix parameters to upmix the downmix audio signal in order to obtain the upmixed audio signal, wherein the temporally variable upmix parameters comprise temporally variable smoothened phase values. The parameter determinator is configured to obtain one or more temporally smoothened upmix parameters for usage by the upmixer on the basis of a quantized upmix parameter input information. The parameter determinator is configured to combine a scaled version of a previous smoothened phase value with a scaled version of an input phase information using a phase change limitation algorithm, to determine a current smoothened phase value on the basis of the previous smoothened phase value and the phase input information.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/11/2014** **1774/2014** **May 2017** **28/08/2017** **28186**

(51)	**Int. Cl. [8] C05C 9/00 & C07C 273/16 & B01J 2/00**
(71)	**1. UHDE FERTILIZER TECHNOLOGY B.V. (NETHERLAND)** **2.** **3.**
(72)	**1. POTTHOFF, Matthias** **2. FRANZRAHE, Harald** **3. VANMARCKE, Luc, Albert**
(73)	**1.** **2.**
(30)	**1. (EP) 12003585.2 - 08-05-2012** **2. (PCT/EP2013/001292) – 02-05-2013** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) UREA GRANULATION PROCESS WITH SCRUBBING SYSTEM

Patent Period Started From 02/05/2013 and Will end on 01/05/2033

(57) Urea granulation process with scrubbing system including at least one gaseous waste stream for removal of dust and ammonia whereby this waste stream is processed through a combination of the following process steps comprising (a) washing the dust and ammonia laden stream with water and/or an aqueous urea solution whereby a dust-laden liquid stream and a dust-reduced stream is generated, and (b) reacting the dust-reduced stream with formaldeyhde to form a stream comprising hexamethylenetetramine and urea-formaldehyde and clean off-gas) wherein the gas stream is directed first through process step (a) and then through process step (b).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/09/2013** **1469/2013** **MAY 2017** **27/08/2017** **28187**

(51)	**Int. Cl. [8] C08L 43/04, 23/08 & H01B 3/44**	
(71)	**1. BOREALIS AG (AUSTRIA)** **2.** **3.**	
(72)	**1. DAHLEN, Kristian** **2. GKOURMPIS, Thomas** **3. SULTAN, Bernt-Ake** **ANKER, Martin**	**NYLANDER, Perry** **FAGRELL, Ola** **LINDBOM, Lena** **VERHEULE, Bart**
(73)	**1.** **2.**	
(30)	**1. (EP) 11161485.5 - 07-04-2011** **2. (PCT/EP2012/056294) – 05-04-2012** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) SILANE CROSSLINKABLE POLYMER COMPOSITION

Patent Period Started From 05/04/2012 and Will end on 04/04/2032

(57) The invention is directed to a polymer composition which comprises a polyolefin bearing hydrolysable silane groupcontaining units, wherein the amount of the hydrolysable silane groupcontaining units is from 0.010 to 0.081 mol/kg polyolefin, when measured according to "the amount of hydrolysable silane group" as described below under "determination methods", and wherein the polymer composition has a hot set elongation exceeding 30%, when measured according to "hot set elongation test" using a crosslinked cable sample as described under "determination methods" after crosslinking the sample in water at 90°c for 20 hours .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/11/2011** **0059/2011** **May 2017** **27/08/2017** **28188**

(51)	**Int. Cl. [8] G01L 21/02**	
(71)	**1. FRAUNHOFER-GESELLCHAFT ZUR FoRDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V (GERMANY)** **3.**	
(72)	**1. Nagel, Frederilk** **2. Disch, Sascha** **3. Neuendorf, Max** **4. Bayer, Stefan**	**5. GAYER, Marc** **6. LOHWASSER, Markus** **7. Rettelbach, Nikolaus** **8. KRAMER, Ulrich**
(73)	**1.** **2.**	
(30)	**1. (US) 61/079,849 - 11-07-2008** **2. (PCT/EP2009/004603) - 25-06-2009** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) APPARATUS AND METHOD FOR GENERATING A BANDWIDTH EXTENDED SIGNAL

Patent Period Started From 25/06/2009 and Will end on 24/06/2029

(57) An apparatus for generating a bandwidth extended signal from an input signal comprises a patch generator and a combiner. The input signal is represented for a first band by a first resolution data, and for a second band by a second resolution data, the second resolution being lower than the first resolution. The patch generator generates a first patch from the first band of the input signal according to a first patching algorithm and generates a second patch from the first band of the input signal according to a second patching algorithm. A spectral density of the second patch generated according to the second patching algorithm is higher than a spectral density of a first patch generated according to the first patching algorithm. The combiner combines the first patch, the second patch and the first band of the input signal to obtain the bandwidth extended signal. The apparatus for generating a bandwidth extended signal scales the input signal according to the first patching algorithm and according to the second patching algorithm or scales the first patch and the second patch, so that the bandwidth extended signal fulfills a spectral envelope criterion.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/07/2014** **1143/2014** **May 2017** **27/08/2017** **28189**

(51)	**Int. Cl. [8] C01B 21/26**
(71)	**1. THYSSENKRUPP INDUSTRIAL SOLUTIONS AG (GERMANY)** **2.** **3.**
(72)	**1. BIRKE, Daniel; Dechant** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 10 2012 000 570.9 - 16-01-2012** **2. (PCT/EP2012/005331) – 21-12-2012** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) METHOD AND DEVICE FOR PRODUCING NITRIC ACID

Patent Period Started From 21/01/2012 and Will end on 20/01/2032

(57) The invention relates to a method for producing nitric acid from ammonia and oxygen-containing gas applying the single pressure or dual pressure process, characterized in that during the start-up and/or shut-down of the nitric acid plant, a process gas is flowing through a process gas cooler and/or a feed water preheater, which process gas is heated in the process gas cooler and/or in the feed water preheater and is conveyed through at least one heat exchanger located downstream of the process gas cooler and/or the feed water preheater in order to transfer thermal energy from the heated process gas to a residual gas. The invention further relates to a device for carrying out the method. By means of said methods and/or devices, a freezing of the residual gas turbine can effectively be prevented.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/05/2008** **0852/2008** **May 2017** **27/08/2017** **28190**

(51)	**Int. Cl. [8] H04L 29/06**
(71)	**1. TELEFONAKTIEBOLAGET LM ERICSSON (SWEDEN)** **2.** **3.**
(72)	**1. VAN ELBURG, JOHANNES** **2. HEIDERMARK, ALF** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 0524036.1 - 25-11-2005** **2. (PCT/EP2006/067789) - 26-10-2006** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) MESSAGE HANDLING IN AN IP MULTIMEDIA SUBSYSTEM

Patent Period Started From 26/10/2006 and Will end on 25/10/2026

(57) A Session Initiation Protocol Application Server of an IP Multimedia Subsystem having processing means for handling a message received from a Serving Call/State Control Function, the means being arranged to handle the message based upon a header of the message containing the URI of the served user, this header having been introduced by the Serving Call/State Control Function and being other than the P-Asserted Identity and the R-URI.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/02/25013** **0280/2013** **May 2017** **27/08/2017** **28191**

(51)	**Int. Cl. [8] G10L 19/00**	
(71)	**1. FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V. (GERMANY)** **3.**	
(72)	**1. KUNTZ, Achim** **2. DISCH, Sascha** **3. HERRE, JUrgen**	**4. KUNTZ, Achim** **5. HILPERT, Johannes**
(73)	**1.** **2.**	
(30)	**1. (US) 61/376,980 - 25-08-2010** **2. (PCT/EP2011/061361) – 06-07-2011** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) APPARATUS FOR GENERATING A DECORRELATED SIGNAL USING TRANSMITTED PHASE INFORMATION

Patent Period Started From 06/07/2011 and Will end on 05/07/2031

(57) The present invention relates to a device for generating a decoded signal that includes an information phase receiver, transient separator, transient decoder, a second decoder, an assembly unit, where the decoder is configured to separate an input signal into a first signal component and a second signal component so that The first signal component includes transient signal parts of the input signal, so that the second signal component includes non-transient signal parts of the input signal. A transient decoder is configured to deliver the phase of information received by the receiver to a transient signal component..

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/08/2012** **1390/2012** **May 2017** **27/08/2017** **28192**

(51)	**Int. Cl. [8] G10L 19/00**	
(71)	**1. FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V (GERMANY)** **3.**	
(72)	**1. WABNIK, Stefan** **2. PICKEL, JOrg** **3. GREEVENBOSCH, Bert** **4. GRILL, Bernhard** **5. EBERLEIN, Ernst** **6. DEL GALDO, Giovanni**	**7. KRAGELOH, Stefan** **8. ZITZMANN, Reinhard** **9. BLIEM, Tobias** **10. BREILING, Marco** **11. BORSUM, Juliane**
(73)	**1.** **2.**	
(30)	**1. (EP) 10154960.8 - 26-02-2010** **2. (PCT/EP2011/052622) – 22-02-2011** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) **APPARATUS FOR GENERATING/DECODING WATERMARK WATERMARK SIGNAL, METHOD FOR PROVIDING A WATERMARKED SIGNAL**

Patent Period Started From 22/02/2011 and Will end on 21/02/2031

(57) A watermark generator for providing a watermark signal in dependence on binary message data comprises an information processor configured to provide, in dependence on a single message bit of the binary message data, a 2-dimensional spread information representing the message bit in the form of a set of time-frequency-domain values. The watermark generator also comprises a watermark signal provider configured to provide the watermark signal on the basis of the 2-dimensional spread information. A Watermark detector, methods and computer programs are also described.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/08/2013** **1298/2013** **May 2017** **27/08/2017** **28193**

(51)	**Int. Cl. [8] G10L 19/012**
(71)	**1. FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V. (GERMANY)** **3.**
(72)	**1. BACKSTROM, Tom** **2. FUCHS, Guillaume** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/442,632 - 14-02-2011** **2. (PCT/EP2012/052294) – 10-02-2012** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) ENCODING AND DECODING OF PULSE POSITIONS OF TRACKS OF AN AUDIO SIGNAL

Patent Period Started From 10/02/2012 and Will end on 09/02/2032

(57) An apparatus for decoding an encoded audio signal, wherein one or more tracks are associated with the encoded audio signal, each one of the tracks having a plurality of track positions and a plurality of pulses is provided. The apparatus comprises a pulse information decoder and a signal decoder. The pulse information decoder is adapted to decode a plurality of pulse positions, wherein each one of the pulse positions indicates one of the track positions of one of the tracks to indicate a position of one of the pulses of the track, and wherein the pulse information decoder is configured to decode the plurality of pulse positions by using a track positions number indicating a total number of the track positions of at least one of the tracks, a total pulses number indicating a total number of the pulses of at least one of the tracks, and one state number. The signal decoder is adapted to decode the encoded audio signal by generating a synthesized audio signal using the plurality of pulse positions and a plurality of predictive filter coefficients being associated with the encoded audio signal.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/04/2014** **0630/2014** **May 2017** **28/08/2017** **28194**

(51)	**Int. Cl. [8] E03C 1/12**
(71)	**1. MARIUM ADEL ABD EL AZIZ AHMMAD (EGYPT)** **2.** **3.**
(72)	**1. MARIUM ADEL ABD EL AZIZ AHMMAD** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**ADEL ABD EL AZIZ AHMED**
(12)	**Patent**

(54)	**BLOCKER CLOGGED KITCHEN SINKS AND WASH BASINS FOR INDUSTRIAL PURPOSES**
	Patent Period Started From 22/04/2014and Will end on 21/04/2034

(57) This invention consists of two pieces are put together in target pelvic to operate together to prevent waste from reaching to the drain slot with survival ease drainage efficiently as if empty without waste.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/12/2013** **1929/2013** **May 2017** **28/08/2017** **28195**

(51)	**Int. Cl. [8] A61J 1/14, 3/00 & B65D 81/32**	
(71)	**1. DUOJECT MEDICAL SYSTEMS INC.** (CANADA) **2.** **3.**	
(72)	**1. REYNOLDS, David L.** **2. MACDONALD, Daniel** **3. TREMBLAY, Yan**	**4. GEOFFROY, Eric** **5. VIENS, Mathieu**
(73)	**1.** **2.**	
(30)	**1. (CA) 2,745,320 - 06-07-2011** **2. (PCT/CA2012/000650) – 05-07-2012** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) RECONSTITUTION DEVICE

Patent Period Started From 05/07/2012 and Will end on 04/07/2032

(57) A reconstitution device for mixing a first component with a second component wherein there are provided first and seconds housings which are engageable together, a conduit having an internal passageway having a dispensing end and an inlet end, first, second and third plungers mounted in said internal passageway, first and second compartments being defined by the plungers, a shearing channel formed in a side wall of conduit to permit mixing of contents located in the first and second compartments, a plunger rod to cause initial mixing of the first and second components, and a spring member biasing against the moveable member.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/08/2011** **1413/2011** **May 2017** **28/08/2017** **28196**

(51)	**Int. Cl. [8] C08G 59/22, 59/24,59/42, 59/68 & C08L 63/02 & H01B 3/40**
(71)	**1. SIEMENS AKTIENGESELLSCHAFT (GERMANY)** **2.** **3.**
(72)	**1. SWIATKOWSKI, Gernot** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102009012195.1 - 06-03-2009** **2. (PCT/EP2010/052269) – 23-02-2010** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) CAST RESIN SYSTEM FOR ISOLATORS

Patent Period Started From 23/02/2010 and Will end on 22/02/2030

(57) The invention relates to a casting resin for switchboards comprising bisphenol F fluid epoxy resin. The properties of the casting resin can be significantly improved compared to bisphenol A-based casting resins, in particular regarding glass transition temperature and temperature shock resistance.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/05/2014** **0860/2014** **May 2017** **28/08/2017** **28197**

(51)	**Int. Cl. [8] B05C 5/00 & B05D 1/30 & A23P 1/06**
(71)	**1. Akzo Nobel Chemicals International B.V (NETHERLANDS)** **2.** **3.**
(72)	**1. BAKKENES, Hendrikus Wilhelmus** **2. VAN LOTRINGEN, Theodorus Johannes Maria** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 11191843.9 - 05-12-2011** **2. (PCT/EP2012/074188) – 03-12-2012** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54)	**DEVICE FOR DOSING AN ADDITIVE SOLUTION**
	Patent Period Started From 03/12/2012 and Will end on 02/12/2032

(57) Device and method for dosing an aqueous solution of an additive, e.g., a non-caking agent, into an amount of a particulate material, such as a salt. The device comprises a conveyor for transporting the particulate material and a dispenser arranged above the conveyor. The dispenser is connected to a supply for the aqueous solution. The dispenser comprises a pouring outlet extending over at least a part of the width of the conveyor. The additive solution is poured with a controlled flow velocity over at least a part of the width of the conveyor transporting the particulate material.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/06/2011** **1108/2011** **May 2017** **28/08/2017** **28198**

(51)	**Int. Cl. [8]** **A61M 35/00 & A45D 37/00 & B05B 11/04 & B65D 83/00**	
(71)	**1. OTSUKA AMERICA PHARMACEUTICAL, INC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. CASEY, Ronald J** **2. VANEK, Patrick P** **3. HATHAWAY, Royal D** **4. FOSHEE, David L**	**5. MOSLER, Theodore J** **6. JARDINE, Nicholas J** **7. BENOKRAITIS, Kristin L**
(73)	**1.** **2.**	
(30)	**1. (US) 61/141.540 30-12-2008** **2. (PCT/US2009/069730) – 29-12-2009** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54)	**FLUID APPLICATION DEVICE AND METHOD**
	Patent Period Started From 29/12/2009 and Will end on 28/12/2029

(57) The application relates to a system for applying a fluid. The system includes a packet containing a fluid and an applicator device with a handle.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/06/2014** **0905/2014** **May 2017** **28/08/2017** **28199**

(51)	**Int. Cl. [8] G02B 6/02**
(71)	**1. BELL, James, Dalton (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BELL, James, Dalton** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/582,099 - 30-12-2011** **2. (PCT/US2012/023551) – 01-02-2012** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54) ISOTOPICALLY ALTERED OPTICAL FIBER

Patent Period Started From 01/02/2012 and Will end on 31/01/2032

(57) An optical waveguide having a cladding layer formed of high-purity glass, or a cladding layer formed of high-purity isotope-proportion modified glass, and with a core of high-purity isotope-proportion-modified glass with the index of refraction of the core glass greater than the index of refraction, of the cladding glass, said high-purity isotope-proportion-modified core material having a Si-29-isotope proportion at most 4.447 % Si-29 (atom/atom) of all silicon atoms in said core, or at least 4.90% of Si-29 (atom/atom) atoms in said core, or having a Ge-73 isotope proportion of at most 7.2% Ge-73 (atom/atom) of all germanium atoms in said core, or at least 8.18% of Ge-73 (atom/atom) of Germanium atoms in said core region.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/12/2011** **2054/2011** **May 2017** **28/08/2017** **28200**

(51)	**Int. Cl. [8] F25J 3/00**	
(71)	**1. ORTLOFF ENGINEERS, LTD (UNITED STATES OF AMERICA)** **2. S.M.E. PRODUCTS LP (UNITED STATES OF AMERICA)** **3.**	
(72)	**1. JOHNKE, Andrew, F** **2. LEWIS, W., Larry** **3. TYLER, L., Don** **4. WILKINSON, John, D**	**5. LYNCH, Joe, T** **6. HUDSON, Hank, M** **CUELLAR, Kyle, T**
(73)	**1.** **2.**	
(30)	**1. (PCT/US2010/029331) - 31-03-2010** **2. (US) 12/750.862 - 31-03-2010** **3. (PCT/US 2010/033374) - 03-05-2010** **4. (US) 12/772.472 - 03-05-2010** **5. (PCT/US 2010/035121) - 17-05-2010** **6. (US) 12/781.259 - 17-05-2010** **7. (US) 13/048.315 - 15-03-2011** **8. (PCT/US 2011/028872) - 17-03-2011** **9. (PCT/US 2011/029234) - 21-03-2011** **10. (US) 13/051.682 - 18-03-2011** **11. (US) 13/052.575 - 21-03-2011** **12. (PCT/US 2011/029034) - 18-03-2011** **13. (US) 13/052.348 - 21-03-2011** **14. (PCT/US2011/029239) – 21-03-2011**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54)	**HYDROCARBON GAS PROCESSING**
	Patent Period Started From 21/03/2011 and Will end on 20/03/2031
(57)	A process and an apparatus are disclosed for a compact processing assembly to recover C2 (or C3) components and heavier hydrocarbon components from a hydrocarbon gas stream. The gas stream is cooled and divided into first and second streams. The first stream is further cooled, expanded to lower pressure, and supplied as a feed between two absorbing means. The second stream is expanded to lower pressure and supplied as a bottom feed to the lower absorbing means. A distillation liquid stream from the bottom of the lower absorbing means is heated in a heat and mass transfer means to strip out its volatile components. A distillation vapor stream from the top of the heat and mass transfer means is cooled by a distillation vapor stream from the top of the upper absorbing means, thereby forming a condensed stream that is supplied as a top feed to the upper absorbing means.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/01/2011** **0057/2011** **May 2017** **28/08/2017** **28201**

(51)	**Int. Cl. [8] G10L 19/00**	
(71)	**1. FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V. (GERMANY)** **3.**	
(72)	**1. NEUENDORF, Max** **2. GRILL, Bernhard** **3. KRAEMER, Ulrich** **4. MULTRUS, Markus** **5. POPP, Harald** **6. RETTELBACH, Nikolaus**	**7. NAGEL, Frederik** **8. LOHWASSER, Markus** **9. GAYER, Marc** **10. JANDER, Manuel** **11. BACIGALUPO, Virgilio**
(73)	**1.** **2.**	
(30)	**1. (US) 61/079,841 - 11-07-2008** **2. (PCT/EP2009/004523) – 23-06-2009** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) AN APPARATUS AND A METHOD FOR CALCULATING A NUMBER OF SPECTRAL ENVELOPES

Patent Period Started From 23/06/2009 and Will end on 22/06/2029

(57) An apparatus calculates a number of spectral envelopes to be derived by a spectral band replication (SBR) encoder, wherein the SBR encoder is adapted to encode an audio signal using a plurality of sample values within a predetermined number of subsequent time portions in an SBR frame extending from an initial time to a final time (tn), the predetermined number of subsequent time portions being arranged in a time sequence given by the audio signal. The apparatus comprises a decision value calculator for determining a decision value, the decision value measuring a deviation in spectral energy distributions of a pair of neighboring time portions. The apparatus further comprises a detector for detecting a violation of a threshold by the decision value and a processor for determining a first envelope border between the pair of neighboring time portions when the violation of the threshold is detected. The apparatus further comprises a processor for determining a second envelope border between a different pair of neighboring time portions or at the initial time (t0) or at the final time (tn) for an envelope having the first envelope border based on the violation of the threshold for the other pair or based on a temporal position of the pair or the different pair in the SBR frame. The apparatus further comprises a number processor for establishing the number of spectral envelopes having the first envelope border and the second envelope border.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/02/2013** **0178/2013** **March 2017** **28/08/2017** **28202**

(51)	**Int. Cl. [8] H04B 7/04 & H04J 99/00**
(71)	**1.** SUN PATEMT TRUST (UNITED STATES OF AMERICA) **2.** **3.**
(72)	**1. MURAKAMI, Yutaka** **2. KIMURA, Tomohiro** **3. OUCHI, Mikihiro**
(73)	**1.** **2.**
(30)	**1. (JP) 2010-276457 - 10-12-2010** **2. (JP) 2010-293114 - 28-12-2010** **3. (JP) 2011-035085 - 21-02-2011** **4. (JP) 2011-093543 - 19-04-2011** **5. (JP) 2011-102098 - 28-04-2011** **6. (JP) 2011-140746 - 24-06-2011** **7. (PCT/JP2011/006741) – 01-12-2011**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PRECODING METHOD, AND TRANSMITTING DEVICE

Patent Period Started From 01/12/2011 and Will end on 30/11/2031

(57) A transmission method for simultaneously transmitting a first modulating signal and a second modulating signal at the same frequency, whereby precoding weights are regularly modified in a precoding weight multiplication unit that multiplies precoding weights with respect to a baseband signal after a first mapping and a baseband signal after a second mapping, and outputs the first modulating signal and the second modulating signal.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/11/2014** **1814/2014** **May 2017** **28/08/2017** **28203**

(51)	**Int. Cl. [8] H04L 1/00**
(71)	**1. TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) (SWEDEN)** **2.** **3.**
(72)	**1. HAMMARWALL, David** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/646,073 - 11-05-2012** **2. (PCT/SE2013/000070) – 11-05-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHOD AND ARRANGEMENT IN A WIRELESS COMMUNICATION SYSTEM**
	Patent Period Started From 11/05/2012 and Will end on 10/05/2032

(57) The Invention relates to methods and arrangements in a transmitting node and a receiving node In a wireless communications system. A plurality of transmission configurations is available for transmitting an Information carrying elgnal from the transmitting node to the receiving node. The transmitting node determines a plurality of muting configurations and selects a transmission configuration. Each muting configuration corresponds to at least one transmission configuration. The transmitting node transmits a dynamic configuration message identifying the at least one muting configuration that corresponds to the selected transmission configuration to the receiving node and transmits the information carrying signal to the receiving node according to the selected transmission configuration. The receiving node receives the dynamic configuration message and the information carrying signal and decodes the received Information carrying signal taking the at least one muting configuration Into account

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/02/2012** **0268/2014** **MAY 2017** **28/08/2017** **28204**

(51)	**Int. Cl. [8] A01G 11/00 & A01M 13/00 & C08J 5/18**
(71)	**1. Arkema France (FRANCE)** **2.** **3.**
(72)	**1. Charles, Patrick** **2. FOUILLET, Thierry** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 1157730 - 01-09-2011** **2. (PCT/FR2012/051960) – 31-08-2012** **3.**
(74)	**RAGAEY ELDEKY**
(12)	**Patent**

(54)	**PHOTOCATALYTIC FILM FRO SOIL FUMIGATION**
	Patent Period Started From 31/08/2012 and Will end on 30/08/2032

(57) The present invention relates to a photocatalytic film including at least one polymer layer (1) including at least one photocatalyst, said layer being pervious to both the vapours of at least one fumigating compound and ultraviolet radiation capable of activating the photocatalyst. The present invention also relates to a method for treatment by fumigation using said photocatalytic film and at least one fumigant.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/08/2012** **1361/2012** **May 2017** **28/08/2017** **28205**

(51)	**Int. Cl. [8] H04W 92/14, 8/04**
(71)	**1. NTT DOCOMO, INC (JAPAN)** **2.** **3.**
(72)	**1. TANAKA, Itsuma** **2. SUZUKI, Keisuke** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2010-024863 - 05-02-2010** **2. (PCT/JP2011/052380) – 04-02-2011** **3.**
(74)	**RAGAEY ELDEKKY**
(12)	**Patent**

(54)	**MOBILE COMMUNICATION METHOD, SWITCHER, AND SUBSCRIBER INFORMATION SERVER**
	Patent Period Started From 04/02/2011 and Will end on 03/02/2031

(57) In the provided mobile communication method, a process to register the location of a mobile station (UE) includes the following steps: a step (A) in which a switcher (SGSN/MME) sends a subscriber information server (HSS) first information for determining whether or not IMS voice service provision capability is the same for each supported area; and a step (B) wherein, when the subscriber information server (HSS) receives a status inquiry from an application server (AS), the first information is used to determine whether or not the switcher (SGSN/MME) should be queried as to whether or not an IMS voice service can be provided to the area where the mobile station (UE) is.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/10/2010** **1824/2010** **April 2017** **29/08/2017** **28206**

(51)	**Int. Cl. [8] C02F 1/44, 3/12 & B01D 61/02, 61/14, 61/58**	
(71)	**1. KOBELCO ECO-SOLUTIONS CO., LTD (JAPAN)** **2.** **3.**	
(72)	**1. ITO, Yutaka** **2. MOTOJIMA, Katsuhide** **3. UEMATSU, Kazuya** **4. NOSHITA, Masanobu** **5. TAKATA, Kazutaka**	**6. SHIMADA, Mitsushige** **7. MANABE, Megumi** **8. MIYAOKA, Noboru** **9. TAKESAKA, Kenji**
(73)	**1.** **2.**	
(30)	**1. (JP) 2008-304623 - 28-11-2008** **2. (JP) 2009-031819 - 13-02-2009** **3. (JP) 2009-031861 - 13-02-2009** **4. (JP) 2009-032073 - 14-02-2009** **5. (JP) 2009-032075 - 14-02-2009** **6. (PCT/JP2009/069932) – 26-11-2009**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54)	**FRESH WATER PRODUCTION METHOD, FRESH WATER PRODUCTION APPARATUS, METHOD FOR DESALINATING SEA WATER INTO FRESH WATER, AND APPARATUS FOR DESALINATING SEA WATER INTO FRESH WATER**
	Patent Period Started From 26/11/2009 and Will end on 25/11/2029
(57)	Disclosed is a fresh water production method which can produce clarified water such as fresh water from non-clarified water such as sea water with high efficiency. Specifically disclosed is a fresh water production method for producing fresh water by means of reverse osmosis filtration. The method comprises mixing low-salt-concentration water having a lower salt concentration than that of sea water with sea water to produce a water mixture and subsequently subjecting the water mixture to reverse osmosis filtration, thereby producing fresh water.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**7/12/2011** **2053/2011** **April 2017** **29/08/2017** **28207**

(51)	**Int. Cl. [8] F25J 3/00**	
(71)	**1. ORTLOFF ENGINEERS, LTD. (UNITED STATES OF AMERICA)** **2. S.M.E. PRODUCTS LP (UNITED STATES OF AMERICA)** **3.**	
(72)	**1. JOHNKE, Andrew, F.** **2. LEWIS, Larry W.** **3. TYLER, Don L.** **4. WILKINSON, John D.**	**5. LYNCH, Joe T.** **6. HUDSON, Hank M.** **7. CUELLAR, Kyle T.**
(73)	**1.** **2.**	
(30)	**1. PCT/US 2010/029331 - 31-03-2010** **2. (US)12/750.862 - 31-03-2010** **3. (PCT/US2010/033374) - 03-05-2010** **4. (US) 12/772.472 - 03-05-2010** **5. (PCT/US2010/035121) - 17-05-2010** **6. (US) 12/781.259 - 17-05-2010** **7. (US) 13/048.315 - 15-03-2011** **8. (PCT/US2011/028872) - 17-03-2011** **9. (PCT/US2011/029034) - 18-03-2011** **10. (US) 13/051.682 - 18-03-2011** **11. (US) 13/052.348 - 21-03-2011** **12. (PCT/US2011/029034) – 21-03-2011**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54)	**HYDROCARBON GAS PROCESSING**
	Patent Period Started From 21/03/2011 and Will end on 20/03/2031

(57) A process and an apparatus are disclosed for a compact processing assembly to recover C2 (or C3) components and heavier hydrocarbon components from a hydrocarbon gas stream. The gas stream is cooled and divided into first and second streams. The first stream is further cooled, expanded to lower pressure, and supplied as a feed between first and second absorbing means. The second stream is expanded to lower pressure and supplied as bottom feed to the second absorbing means. A distillation vapor stream from the first absorbing means is heated, compressed to higher pressure, and divided into a volatile residue gas fraction and a compressed recycle stream. The compressed recycle stream is cooled, expanded to lower pressure, and supplied as top feed to the first absorbing means. A distillation liquid stream from the second absorbing means is heated in a heat and mass transfer means to strip out its volatile components.

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology

GRANTED PATENTS' ABSTRACTS GAZETTE

"PATENTS ISSUED IN SEPTEMBER 2017 "

Egyptian Patent Office

Issue No 256 **OCTOBER 2017**

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(PATENT No. 28209) ……. (3)

(PATENT No. 28210) ……. (4)

(PATENT No. 28211) ……. (5)

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(PATENT No. 28214) ……. (8)

(PATENT No. 28215) ……. (9)

(PATENT No. 28216) ……. (10)

(PATENT No. 28217) ……. (11)

(PATENT No. 28218) ……. (12)

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(PATENT No. 28220) ……. (14)

(PATENT No. 28221) ……. (15)

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(PATENT No. 28223) ……. (17)

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(PATENT No. 28229) ……. (23)

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(PATENT No. 28232) ……. (26)

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(PATENT No. 28236) ……. (30)

(PATENT No. 28237) ……. (31)

(PATENT No. 28238) ……. (32)

Preface

We are on the verge of a new era which is founded on the basis of technological development and hence, we have to follow it in all fields of national development . Technology has become the basis for the increase in national income and production and hence, scientific research has become our real hope as a way for advancement and as a necessity for life .

Emerging from the responsibility of the Academy of Scientific Research and Technology towards strengthening the pillars of science and technology , I have the pleasure to introduce the Granted Patent's Abstracts of the Publication of Patents monthly, Which includes bibliographical data . This periodical is directed to all those interested in the vital field of Intellectual property which encompasses patents, innovations and creative works .

I hope that this publication meets its targeted objective , namely increasing the welfare , prosperity and advancement for our beloved country, Egypt .

Acting President of Patent Office

Mr. Adel El- Saeid Oweide

Bibliographic data

Bibliographic data	symbol
Patent Number	11
Patent Kind	12
Application Number	21
Filing Date	22
Priority Number Priority Date Priority Country	30
Issuance Date	45
International Patent Classification	51
Title	54
Abstract	57
Applicant Name	71
Inventor Name	72
Patentee Name	73
Patent Attorney Name	74

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TJ	Tajikistan
TH	Thailand
TM	Turkmenistan
TN	Tunisia
TR	Turkey
TT	Trindad and Topago
TW	Taiwan
TZ	United Republic of Tanzania
UA	Ukraine
UG	Uganda
US	United States of America
UY	Uruguay
UZ	Uzbekistan
VC	Saint Vincent and the Grenadines

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VN	Viet Nam
YD	Yemen
YU	Yugoslavia
ZA	South Africa
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
SEPTEMBER (2017)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/12/2010** **2118/2010** **March 2017** **05/09/2017** **28208**

(51)	**Int. Cl. [8] H04W 74/08**
(71)	**1. TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) (SWEDEN)** **2.** **3.**
(72)	**1. MEYER, MICHAEL** **2. LINDSTROM, MAGNUS** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/073.808 - 19-06-2008** **2. (PCT/SE2008/051452) – 15-12-2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHODS AND APPARATUSES FOR PERFORMING RANDOM ACCESS IN A TELECOMMUNICATIONS SYSTEM

Patent Period Started From 15/12/2008 and Will end on 14/12/2028

(57) The present invention relates to methods and apparatuses (radio base station and UE) for enabling a UE to perform a contention-based random access. According to embodiments of the present invention, a non-dedicated random access preamble identifier is determined by a radio base station and the determined preamble is transmitted in a message to the UE which selects a non-dedicated random access preamble based on the received preamble identifier and performs a contention-based random access using the selected preamble.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/12/2013** **2003/2013** **March 2017** **05/09/2017** **28209**

(51)	**Int. Cl. [8] B42D 15/00 & G07D 7/12 & B44F 1/12, 1/10 & B41M 3/14**
(71)	**1. FEDERALNOE GOSUDARSTVENNOE UNITARNOE PREDPRIYATIE 'GOZNAK'** **2. (FGUP 'GOZNAK')** (RUSSIAN FEDERATION) **3.**
(72)	**1. TRACHUK, Arkadiy Vladimirovich** **2. KURYATNIKOV, Andrey Borisovich** **3. PISAREV, Alexandr Georgievich** **4. PAVLOV, Igor Vasilievich** **5. MOCHALOV, Aleksandr Igorievich** **6. SALUNIN, Alexey Vitalevich** **7. RYTIKOVA, Anna Menashevna** **8. SHAPINOV, Vladimir Ivanovich** **9. RYBIN, Konstantin Gennadievich** **10. BOLOTOV, Dmitry Petrovich** **11. FEDOROVA, Elena Mikhailovna** **12. BARANOVA, Galina Sergeevna**
(73)	**1.** **2.**
(30)	**1. (RU) 2011126649 - 30-06-2011** **2. (PCT/RU2012/000492) – 22-06-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) VALUABLE DOCUMENT WITH AN OPTICALLY VARIABLE STRUCTURE (VARIANTS)

Patent Period Started From 22/06/2012 and Will end on 21/06/2032

(57) The valuable document comprises a coating in the form of a printed raster that is made up of at least one colour which is different from the colour of the main document. The document also comprises a three-dimensional raster arranged relative to the coating so that the three-dimensional raster is at least partially disposed on the coating, is oriented substantially parallel to the lines of the printed raster and together with the coating forms a latent image which is not discernible when the document is viewed at a right angle. At least a portion of the lines of the three-dimensional raster has an asymmetric cross-section profile with an aspect ratio of not less than 1:1.25, as a result of which the latent image becomes visible in the form of coloured elements or a single-coloured region in the event of a change in the viewing angle. In the event of a 180? change in the viewing direction without any change in the viewing angle, a change in the optical density or in the colour gamut of at least a part of the latent image results. The invention makes it possible to increase the protection against counterfeiting of a valuable document with optically variable images and makes it possible for an untrained user to carry out a visual authenticity check.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/03/2013** **0529/2013** **June 2017** **06/09/2017** **28210**

(51)	**Int. Cl. [8] E03D 2/00**
(71)	**1. MOHAMED SALAH MOHAMED (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED SALAH MOHAMED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FATEN FOUAD ABD FATAH Hassan**
(12)	**Utility Model**

(54)	**ACOUNT MULTIBLY TABLE**
	Patent Period Started From 28/03/2013 and Will end on 27/03/2020

(57) The Acount Consists Of 5 bar Evry Bar Have 2 B ead And Every bar that is to say Table With 6 to 10.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/03/2014** **0347/2014** **May 2017** **06/09/2017** **28211**

(51)	**Int. Cl. [8] A61M 5/20, 5/315, 5/32, 5/00, 5/31**
(71)	**1. MENARINI INTERNATIONAL OPERATIONS LUXEMBOURG S.A. (LUXEMBOURG)** **2.** **3.**
(72)	**1. EDHOUSE, Mark Jeffrey** **2. DRIVER, Philip Jerome** **3. MOSELEY, Guy Conwyn Julian** **4. LEWIS, Scott Alexander**
(73)	**1.** **2.**
(30)	**1. (IT) FI 2011 A 000194 - 08-09-2011** **2. (PCT/EP2012/067438) – 06-09-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DEVICE FOR AUTOMATIC INJECTION OF DRUG DOSES

Patent Period Started From 06/09/2012 and Will end on 05/09/2032

(57) A device for the automatic injection of doses of a drug compound comprising a sliding sheath which, when depressed with its front end against the injection site, interacts with cam means to activate the triggering of a plunger, controlling the delivery of a drug dose. Plunger guide means are provide for controlling the triggering sequence and means for arming the device in the dose delivery condition. Automatic needle re-sheathing and resetting of a lock-out condition after each dose is delivered are provided. The number of the device components is reduced resulting in a simpler structure and cost reduction.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/06/2014** **1047/2014** **June 2017** **10/09/2017** **28212**

(51)	**Int. Cl. [8] C02F 1/00**
(71)	**1. El zeiny Mousa Ebeid (EGYPT)** **2. Saleh Abd El-azim Attya (EGYPT)** **3. Ahmed Abd El-hady Mofreh Almarasy (EGYPT)**
(72)	**1. zeiny Mousa Ebeid** **2. Saleh Abd El-azim Attya** **3. Ahmed Abd El-hady Mofreh Almarasy**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**El ZEINY MOUSA EBEID**
(12)	**Patent**

(54)	**STARCH MATRIX AS COAGULANT IN WATER TREATMENT**
	Patent Period Started From 24/06/2014 and Will end on 23/06/2034

(57) This invention relates to a method for treating drinking water in the presence of starch and sodium hydroxide, so that starch is used with sodium hydroxide as a drink on water from the Rashid branch of the Nile River and carbon dioxide gas was used to reach the pH to its normal levels and the degree of turbidity was reduced to very low values using 2 grams of starch with 5 milliliters of sodium hydroxide 10% per liter. In addition to reducing the total water hardness to noticeable degrees.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/12/2014** **2111/2014** **May 2017** **10/09/2017** **28213**

(51)	**Int. Cl. [8] C07D 307/68**	
(71)	**1. XYLECO, INC. (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. MEDOFF, Marshall** **2. MASTERMAN,THOMAS,CRAIG** **3. KHAN, Jihan**	**4. COOPER,CHRISTOPHER**
(73)	**1.** **2.**	
(30)	**1. (US) 61/667,481 - 03-07-2013** **2. (PCT/US2013/049265) – 03-07-2013** **3.**	
(74)	**KHALED MAGDY MOKHTAR HAMADA**	
(12)	**Patent**	

(54)	**CONVERSION OF BIOMASS**
	Patent Period Started From 03/07/2013 and Will end on 02/07/2033

(57) The present invention relates Biomass feedstocks (e.g., plant biomass, animal biomass, and municipal waste biomass) are processed to produce useful products, such as fuels. For example, systems are described that can convert feedstock materials to a sugar solution, which can then be chemically converted to furfural and furfural-derived products.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/06/2014** **1006/2014** **May 2017** **11/09/2017** **28214**

(51)	**Int. Cl. [8] C12B 19/24**
(71)	**1. XYLECO, INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MASTERMAN, Thomas** **2. MEDOFF, Marshall** **3. FINN, Michael**
(73)	**1.** **2.**
(30)	**1. (US) 61/579,552 - 22-12-2011** **2. (US) 61/579,559 - 22-12-2011** **3. (PCT/US2012/071093) – 20-12-2012**
(74)	**KHALED MAGDY MOKHTAR HAMADA**
(12)	**Patent**

(54)	**PROCESSING BIOMASS**
	Patent Period Started From 20/12/2012 and Will end on 19/12/2032

(57) Provided herein are methods of increasing the efficiency of biomass saccharification. In particular, the methods include ways of avoiding feedback inhibition during the production of useful products.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/01/2010** **081/2010** **March 2017** **11/09/2017** **28215**

(51)	**Int. Cl. [8] A61B 17/44**
(71)	**1. JORGE ERNESTO ODON** **2. JULIO CESAR VEIGA** **3.**
(72)	**1. JORGE ERNESTO ODON** **2. JULIO CESAR VEIGA** **3.**
(73)	**1.** **2.**
(30)	**1. (AR) 20070103245 - 20-07-2007** **2. (PCT/ES2008/070143) – 11/07/2008** **3.**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) DEVICE TO EXTRACT ELEMENTS CONTAINED IN A CAVITY

Patent Period Started From 18/07/2008 and Will end on 17/07/2028

(57) A device to extract elements contained in a cavity, comprising a bag having an open end, an outward fold formed at said open end and extended back along a portion of the bag, and at least one annular chamber formed in the bag, only where the fold is extended, said annular chamber is an air chamber formed in the bag between the outer surface of the bag and the inner surface of the fold, and surrounding the bag along its entire circumference. The device further comprises a manual traction handle provided at an end of the bag opposite to said open end, which comprises, a hollow handle with means for receiving a threaded rod; a fitting ring; a screw that holds the fitting ring to the hollow handle and to an end of the bag opposite to said open end. The fitting ring may have variable diameters. The surfaces of the bag and fold in contact with the fetus and the mother have a rugosity higher than in the other surfaces.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/03/2014** **0332/2014** **March 2017** **11/09/2017** **28216**

(51)	**Int. Cl. [8] C03C 3/112, 3/087, 13/00**
(71)	**1. PPG INDUSTRIES OHIO, INC. A CORPORATION (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. LI, Hong** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/532,840 - 09-09-2011** **2. (US) 61/534,041 - 13-09-2011** **3. (PCT/US2012/0544113) – 07-09-2012**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) GLASS COMPOSITIONS AND FIBERS MADE THEREFROM

Patent Period Started From 07/09/2012 and Will end on 06/09/2032

(57) Embodiments of the present invention relate to glass compositions, glass fibers formed from such compositions, and related products. In one embodiment, a glass composition comprises 58-62 weight percent SiO_2, 14-17 weight percent Al_2O_3, 14-17.5 weight percent CaO, and 6-9 weight percent MgO, wherein the amount of Na_2O is 0.09 weight percent or less.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/08/2013** **1282/2013** **March 2017** **11/09/2017** **28217**

(51)	**Int. Cl. [8] B32B 37/00, 37/04, 5/24 & C09J 5/00 & B05B 15/00**
(71)	**1. 3M INNOVATIVE PROPERTIES COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BIEGLER, Kristopher, K** **2. GORMAN, Michael, R** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 13/029,155 - 17-02-2011** **2. (PCT/US2012/025053) – 14-04-2012** **3.**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) APPARATUS AND METHODS FOR IMPINGING FLUIDS ON SUBSTRATES

Patent Period Started From 14/04/2012 and Will end on 13/04/2032

(57) Herein are disclosed apparatus and methods for impinging fluids, e.g. heated fluids, onto the surface of moving substrates and then locally removing the impinged fluid. The apparatus may comprise at least first and second fluid delivery outlets that are in diverging relation to each other. A long axis of the first fluid delivery outlet may be oriented obliquely to the path of the first moving substrate, and a long axis of the second fluid delivery outlet may be oriented obliquely to the path of the second moving substrate. The apparatus may comprise at least first and second fluid capture inlets that are locally positioned relative to the first and second fluid delivery outlets, respectively.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/04/2015** **0616/2015** **March 2017** **11/09/2017** **28218**

(51)	**Int. Cl. [8] B26B 21/38**	
(71)	**1. THE GILLETTE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. REHBEIN, Stefan** **2. SHEN, Guohua** **3. GU, Wei**	**4. SCHNAK, Fred Dieter** **5. ROENNEBERG, Gerrit**
(73)	**1.** **2.**	
(30)	**1. (PCT/CN2012/083919) – 01-11-2012** **2.** **3.**	
(74)	**AMR MOFED ELDEEB**	
(12)	**Patent**	

(54) BATTERY OPERATED RAZOR.

Patent Period Started From 01/11/2012 and Will end on 31/10/2032

(57) Handle is provided for battery operated razors. In some implementations, the handle includes a simple, efficient mechanism for both securing a battery cover to the handle of a razor and at the same time providing a high reliability electrical contact between the battery and electronics of the razor. The mechanism includes a closing system including a first conductive component slidably attached within the battery cover and biased toward a predetermined axial position, and a second conductive component secured to the interior wall of the grip portion. The first conductive component is configured to interact with the second conductive component and move axially within the battery cover during engagement of the battery cover with the grip portion.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/11/2014** **1766/2014** **May 2017** **12/09/2017** **28219**

(51)	**Int. Cl. [8] A61B 19/00**
(71)	**1. DR/GAMAL GEWEID NAGIB GEWEID (EGYPT)** **2. DR/MOHAMED ZAKARIA MOSTAFA(EGYPT)** **3. DR/ABDELMONEIM ABDELBARY NASSER (EGYPT)** **4. DR/DIAA ELDIN MOHAMED EL-HENNAWI (EGYPT)**
(72)	**1. DR/GAMAL GEWEID NAGIB GEWEID** **2. DR/MOHAMED ZAKARIA MOSTAFA** **3. DR/ABDELMONEIM ABDELBARY NASSER** **4. DR/DIAA ELDIN MOHAMED EL-HENNAWI**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**TOOL OF CANCERS DETECTION AND COMPLETE REMOVAL AUTOMATICALLY**
	Patent Period Started From 04/11/2014and Will end on 03/11/2034
(57)	This Patent presents proposed tool of cacers detection and complete removal automatically . Resection of Head and Neck Swellings by current medical is truments is a time consuming task . It causes injuries in the adjacent structures and lacks accuracy . this tool consist of (tool External unite - blade control unit - resection automatic control unit - mechanical control unit - pathway control unit - automatic tumor detection unit - wastes removal unit - vision control unit) .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/06/2011** **1109/2011** **May 2017** **13/09/2017** **28220**

(51)	**Int. Cl. [8]** **A61M 35/00 & A45D 34/04 & A47K 5/00 & A47L 13/00 & B65D 17/00**	
(71)	**1. OTSUKA AMERICA PHARMACEUTICAL,INC (JAPAN)** **2.** **3.**	
(72)	**1. KOROGI, Todd, M** **2. MOSLER, Theodore, J** **3. PENNY, Matthew, R** **4. PETERS, Bryan, J** **5. SHAFFER, Lisa, D**	**6. CORSON, Andrew** **7. CASEY, Ronald, J** **8. VANEK, Patrick, P** **9. HATHAWAY, Royal, D**
(73)	**1. OTSUKA PHARMACEUTICAL FACTORY, INC. (JAPAN)** **2.**	
(30)	**1. (US) 61/141,544 - 30-12-2008** **2. (PCT/US2009/069733) – 29-12-2009** **3.**	
(74)	**NAHED WADIH RIZK**	
(12)	**Patent**	

(54) FLUID APPLICATION DEVICE AND METHOD

Patent Period Started From 29/12/2009 and Will end on 28/12/2029

(57) An applicator device for applying a fluid is provided. The applicator device may include a handle. The handle may comprise an elongate hollow body having a proximal end and a distal end and at least one longitudinal, interior rib disposed on an inner surface of an outer wall of the hollow body and configured to orient and guide a container for containing the fluid when the container is disposed within the hollow body. In addition, the applicator device may include a base at the distal end of the hollow body. Further, the applicator device may include an applicator pad coupled to the base.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/11/2013** **1728/2013** **April 2017** **13/09/2017** **28221**

(51)	**Int. Cl. [8] A62C 2/00 & A62C 99/00**
(71)	**1. FIKE CORPORATION (UNITED STATES OF AMERICA).** **2.** **3.**
(72)	**1. HILL, Gene** **2. PATEL, Devang** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 13/106,578 - 12-05-2011** **2. (PCT/US2012/036747) – 07-05-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) INERT GAS SUPPRESSION SYSTEM NOZZLE

Patent Period Started From 07/05/2012 and Will end on 06/05/2032

(57) Nozzles for reducing noise generated by the release of gas from a hazard suppression system are provided. The nozzles comprise a plurality of partitions that define a serpentine gas flow path through the nozzle. The flow path causes the gas to undergo a plurality of expansions and directional changes thereby reducing the velocity of the gas and dampening the generation of sound waves as the gas exits the nozzle through the nozzle outlet.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/02/2014** **0200/2014** **April 2017** **13/09/2017** **28222**

(51)	**Int. Cl. [8] H02G 1/10**
(71)	**1. ELSAYED MOHAMMAD ELSAYED ABD EL-RASSOUL (EGYPT)** **2.** **3.**
(72)	**1. ELSAYED MOHAMMAD ELSAYED ABD EL-RASSOUL** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**ALEXANDRIA UNIVERSITY FOCAL POINT**
(12)	**Patent**

(54) A METHOD FOR INCREASING THE CURRENT CARRYING CAPACITY OF THE UNDER-GROUND CABLES

Patent Period Started From 12/02/2014 and Will end on11/02/2034

(57) Now a days sand is the only back filling material used for the underground cables by the electric energy transmitting company in Egypt in spite of the fact that sand has relatively high thermal resistivity (fn k396°.cm/w). Calcareous mud (cm) however -which is the only unused waste in sugar beet companies - may be recommended as a b.f material since its thermal resistivity is much lower (*f k43°.cm/w) than that of the sand. It was found that a cable of the same material and diameters will carry almost twice as much current when cm is used as b.f material instead of sand, i.e. a cable of half the cross-sectional area can be used to carry the same amount of the current. The expected savings on using cm instead of sand by the transmitting electric energy company was also estimated.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/08/2014** **1362/2014** **April 2017** **13/09/2017** **28223**

(51)	**Int. Cl. [8] E01C 11/08 ,11/14**
(71)	**1. HENGELHOEF CONCRETE JOINTS MANUFACTURING** NV (BELGIUM) **2.** **3.**
(72)	**1. MEUWISSEN, Dirk** **2. KLINGELEERS, Albert, Charles** **3. winters RENE , Alice P**
(73)	**1.** **2.**
(30)	**1. (GB) 1203314.8 - 27-02-2012** **2. (GB) 1215277.3 - 28-08-2012** **3. (GB) 1220095.2 - 08-11-2012** **4. (PCT/EP2013/053849) – 27-02-2013**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**EXPANSION JOINT**
	Patent Period Started From 27/02/2013 and Will end on 26/02/2033

(57) The present invention relates to a expansion joint to bridge an expansion gap between two parts of concrete slabs used in floor construction, especially in the manufacture of concrete floors such as for example in industrial floors. The expansion joint has an upper and lower portion, wherein the upper portion provides a dividing member and the lower portion comprises a vertically oriented corrugated plate. In a further embodiment of the present invention, the expansion joint is characterized in having an upper and lower portion, each comprising two vertically oriented corrugated plates with undulations that fit in one another, and characterized in that the corrugated plates of the upper and lower portion are out of phase to one another.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/12/2013** **1917/2013** **May 2017** **17/09/2017** **28224**

(51)	**Int. Cl. [8] F25B 49/02 & F24F 1/06, 11/02**
(71)	**1. SHARP KABUSHIKI KAISHA (JAPAN)** **2.** **3.**
(72)	**1. ASAJI Noi** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2011-168031 - 01-08-2011** **2. (PCT/JP2012/067667) – 11-07-2012** **3.**
(74)	**Sonya faek farag**
(12)	**Patent**

(54)	**STRUCTURE FOR ATTACHING THERMOSENSOR ELEMENT TO AIR CONDITIONING APPARATUS**
	Patent Period Started From 11/07/2012 and Will end on 10/07/2032

(57) A heat exchanger is provided with: two vertical header pipes; a plurality of horizontal flat tubes that connect the header pipes to each other; and a plurality of fins that are attached to the flat surfaces of the flat tubes. A thermosensor element holder that holds a thermosensor element is attached to the heat exchanger. The thermosensor element holder holds the thermosensor element by sandwiching the thermosensor element between a main body section and a cover section connected to the main body section by means of a thin hinge section. The main body section is provided with a holding section that holds the header pipe between the adjacent flat tubes. The thermosensor element holder connected to the header pipe by means of the holding section has a protruding section in contact with the inner surface of a housing of an outdoor unit of an air conditioner, consequently, the thermosensor element holder is prevented from rotating with the holding section as a supporting point.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/12/2012** **2062/2012** **MAY 2017** **17/09/2017** **28225**

(51)	**Int. Cl. [8] A01N 25/02, 47/34 & A01P 7/00**
(71)	**1. ROTAM AGROCHEM INTERNATIONAL CO.,LTD (CHINA)** **2.** **3.**
(72)	**1. BRISTOW, James Timothy** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (BR) PI1002288-0 - 17-06-2010** **2. (PCT/CN2011/074623) – 25-05-2011)** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**PESTICIDAL COMPOSITION**
	Patent Period Started From 25/05/2011 and Will end on 24/05/2031

(57) An agrochemical composition is provided, the composition comprising at least one benzoylphenyl urea active ingredient, a solvent comprising a C2-C4 dialkylene glycol di-/mono- C1-C4 alkyl ether; and optionally at least one component selected from the group consisting of a surface-active agent, a thickener, an antifoam agent, an antifreeze agent and water. The presence of the C2-C4 dialkylene glycol di-/mono- C1-C4 alkyl ether reduces the crystallization of the benzoylphenyl urea active ingredient during storage and use, while also reducing the phytotoxicity of the formulation. A method of preparing the formulation, in particular an EW formulation comprises (1) mixing one or more pesticidally active benzoylphenyl ureas with one or more C2-C4 dialkylene glycol di-/mono-C1-C4 alkyl ethers to form a homogeneous oil phase; (2) mixing one or more additives selected from a surface-active agent, a thickener, an antifoam agent, an antifreeze agent and water; and (3) combining the water phase and the oil phase to form a dispersible EW emulsion formulation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/02/2014** **0288/2014** **April 2017** **19/09/2017** **28226**

(51)	**Int. Cl. [8] F21V 3/02**
(71)	**1. KMAL MAZHAR MOHAMED HASSAN (EGYPT)** **2.** **3.**
(72)	**1. KMAL MAZHAR MOHAMED HASSAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) **A MINI LAMP ILLUMINATES AS LONG AS THE LOAD WORKS, BUT TURNS OFF ITS LIGHT DESPITE THE PRESENCE OF ELECTRICITY IF THE LOAD DOES NOT WORK TO GET A PERFECT MATCH**

Patent Period Started From 26/02/2014 and Will end on 25/02/2034

(57) An LED or mini lamp placed inside the office of the responsible, associated indicating lamp [existing in the waiting hall above the doors of the examination rooms of the doctors, lawyers offices, meeting rooms and behind the word "Busy", which informs everyone that the responsible is busy now] it illuminates as long as the indicating lamp works but turns off its light although the electricity is there if the filament of the indicating lamp is burned.

Or placed facade the load or beside the operating switch [as the water pump or the coil of the contactor, solenoid, welding machine "polycarbonate, plastic bags, tires", soldering iron, electric water heaters, boilers, meat grinder, mixer and the like. Whatever the power of the indicating lamp or the load [from 10:1000 watts] the LED or the mini lamp working with it on the AC current [180:230 volts].

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/11/2015** **0760/2015** **APRIL 2017** **19/09/2017** **28227**

(51)	**Int. Cl. [8] A61F 13/49 & A61F 13/53**
(71)	**1. UNI-CHARM CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. MATSUO, Takanori** **2. MORI, Hiroki** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2012-253835 - 20-11-2012** **2. (PCT/JP2013/080864) – 15/11/2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**ABSORBENT ARTICLE**
	Patent Period Started From 15/11/2013 and Will end on 14/11/2033

(57) Provided is an absorbent article that is capable of minimizing deterioration in wearing comfort while ensuring the absorption performance of an absorbent body. The absorbent article is provided with an absorbent body that has a central region with a highly-absorbent polymer density that is higher than that of a skin-side region and a non-skin-side region, and in which multiple compressed sections, which are compressed in the thickness direction, are formed. The compressed sections comprise first compressed sections that extend in a first inclination direction, and second compressed sections that extend in a second inclination direction. The first compressed sections and the second compressed sections are continuously formed in an alternating manner in the longitudinal direction, and are alternately formed at intervals in the width direction. Non-compressed regions, in which the compressed sections are not formed, are disposed in regions between adjacent first compressed sections and second compressed sections in the longitudinal direction, and in regions between adjacent first compressed sections and second compressed sections in the width direction.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/01/2006** **0024/2006** **February 2017** **19/09/2017** **28228**

(51)	**Int. Cl. [8]** C07K 16/00	
(71)	**1. AMGEN INC.(UNITED STATES OF AMERICA)** **2. MEDAREX, L.L.C (UNITED STATES OF AMERICA)** **3.**	
(72)	**1. KENNETH D. WILD** **2. JAMES, J., S. TREANOR** **3. HAICHUN HUANG**	**4. HEATHER INOUE** **5. FRANK MARTIN** **6**
(73)	**1.** **2.**	
(30)	**1. (US) 60/ 487.431 - 15-07-2003** **2. (PCT/US2004/022876) - 15-07-2004** **3.**	
(74)	**NAZEH AKHNOKH SADEK ELIAS**	
(12)	**Patent**	

(54) HUMAN ANTI-NGF NEUTRALIZING ANTIBODIES AS SELECTIVE NGF PATHWAY INHIBITORS

Patent Period Started From 15/07/2004 and Will end on 14/07/2024

(57) This invention provides antibodies that interact with or bind to human nerve growth factor (NGF) and neutralize the function of NGF thereby. The invention also provides pharmaceutical compositions of said antibodies and methods for neutralizing NGF function, and particularly for treating NGF-related disorders (e.g., chronic pain) by administering a pharmaceutically effective amount of anti-NGF antibodies. Methods of detecting the amount of NGF in a sample using anti-NGF antibodies are also provided.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/12/2014** **2053/2014** **May 2017** **20/09/2017** **28229**

(51)	**Int. Cl. [8] C25D 7/04, 5/04**
(71)	**1. NIPPON STEEL & SUMITOMO METAL CORPORATION (JAPAN)** **2. VALL OUREC MANNESMA MNOLL GAS (FRANCE)** **3.**
(72)	**1. KIMOTO Masanari** **2. ISHII Kazuya** **3. YAMAMOTO Tatsuya**
(73)	**1.** **2.**
(30)	**1. (JP) 2012-148476 - 02-07-2012** **2. (PCT/JP2013/067194) – 24-06-2013** **3.**
(74)	**NAHED WADE REZK**
(12)	**Patent**

(54)	**ELECTROPLATING DEVICE**
	Patent Period Started From 24/06/2013 and Will end on 23/06/2033

(57) This electroplating device is equipped with: a pipe interior sealing mechanism that closes off an internal flow path on the inside of a steel pipe in the axial direction of the pipe; a cylindrical insoluble anode arranged so as to face a female screw in the interior at an end of the pipe; a plating solution supply mechanism having multiple nozzles extending radially and centered on the axis of the steel pipe; and a pipe-end sealing mechanism, which is mounted at the end of the pipe and in the interior of which the multiple nozzles are housed. When viewed from the pipe axial direction, the tip of each nozzle is located between the female screw and the insoluble anode. Each nozzle sprays the plating solution in a direction that intersects the direction of extension of the nozzle and that rotates to the right or the left around the center of the pipe axis.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/08/2014** **1258/2014** **June 2017** **24/09/2017** **28230**

(51)	**Int. Cl. [8] C09K 8/32, 8/584, 8/64 & E21B 43/22, 43/26**
(71)	**1. TUCC TECHNOLOGY, LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. DOBSON, James, W., Jr** **2. HAYDEN, Shauna, L** **3. TRESCO Kim O**
(73)	**1.** **2.**
(30)	**1. (US) 61/595,106 - 05-02-2012** **2. (PCT/US2013/024798) – 05-02-2013** **3.**
(74)	**AMR MOFED ELDEEB**
(12)	**Patent**

(54) EARTH METAL PEROXIDE FLUIDIZED COMPOSITIONS

Patent Period Started From 05/02/2013 and Will end on 04/02/2013

(57) Disclosed is an alkaline earth metal peroxide concentrate, or fluidized suspension, for addition to aqueous hydraulic fracturing fluids to efficiently decrease the viscosity of the hydrated, hydrophilic polysaccharide polymer in the system. The concentrate comprises a hydrophobic, water insoluble liquid, an organophilic clay suspension agent, a polar activator, a sparingly-soluble alkaline earth metal peroxide, and an anionic surfactant. Advantageously, these concentrations, or suspensions, exhibit high flash points, making them easier to transport using commercial transportation means.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/06/2012** **1090/2012** **April 2017** **19/09/2017** **28231**

(51)	**Int. Cl. [8] A61B 17/00**
(71)	**1. OMNEYA ALY ABBAS ABDEL-HAFEZ ABD-ALLA (EGYPT)** **2.** **3.**
(72)	**1. OMNEYA ALY ABBAS ABDEL-HAFEZ ABD-ALLA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**ALEXANDRIA UNIVERSITY FOCAL POINT**
(12)	**Patent**

(54)	**RUBBERY CIRCULAR CONE TO DECREASE THE TEMPERATURE OF UNDESCENDED TESTES**
	Patent Period Started From 13/06/2012 and Will end on 12/06/2032

(57) The invention is a circular rubbery funnel consists of a circular part and a cylindrical part connected to each other and works on decreasing the temperature of undescended testes from 37˚to 33˚to protect the normal development and fertility of the testes .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/11/2014** **1840/2014** **May 2017** **25/09/2017** **28232**

(51)	**Int. Cl. [8] A23C 1/12, 1/06, 1/00, 9/123**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. ASHRAF GABBER MOHAMED SAYED AHMED** **2. HEBA HASSAN ABD EL-AZIM SALAMA** **3. HODA SAMIR EL-SAYED** **4. AMR EBIDI EDRIS**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**NATIONAL RESEARCH CENTER - FOCAL POINT/ Magda Mohasab**
(12)	**Patent**

(54)	**PRODUCTION OF CONCENTRATED YOGHURT (LABNAH) FREE FROM SYNTHETIC PRESERVATIVES AND A METHOD FOR ITS PRODUCTION AND PRESERVATION BY USING NATURAL GARLIC ESSENTIAL OIL**
	Patent Period Started From 17/11/2014 and Will end on 16/11/2034

(57) The current invention is relevant to production of strained yoghurt (labnah) free from synthetic preservatives and prolonging its shelf life by using natural garlic essential oil at different concentrations ranging from 10-100 ppm. Due to this treatment , the shelf life of the new product was increased from 14 days to 45 days without affecting negatively of the starter bacteria that used for the manufacturing of the strained yoghurt (labnah).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/12/2015** **1924/2015** **June 2017** **2509/2017** **28233**

(51)	**Int. Cl. [8] C04B 35/14, 35/15, 35/653, 35/453 & E04C 2/08**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. SAFEYA IBRAHIM ABD EL GHANY ABD EL KARIM** **2. MOHAMED MAHMOUD GOMAA** **3. HUSSEIN DARWISH**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**NATIONAL RESEARCH CENTER - FOCAL POINT/ Magda Mohasab**
(12)	**Patent**

(54) LEAD-FREE TRANSPARENT DIELECTRIC GLASS LAYER FOR PLASMA DISPLAY PANELS

Patent Period Started From 07/12/2015 and Will end on06/12/2035

(57) The invention relates to lead-free transparent dielectric glass layer for plasma display panels with chemical composition:

$$65ZnO\text{-}10SiO_2\text{-}(25\text{-}X)\ B_20_3\text{-}xIn_2O_3$$

where x values are as follows: x= 0.0,0.5, 1.0, 1.5, 2.0, 2.5 mol%:

the glass layer of the prepared samples is characterized by an increase in the content of the x values by lowering the softening temperature from 572 to 560°c and the glass transition temperature from 543 to 530°c c, the higher thermal expansion coefficient values from 4.31 to 9.08x10-6/°c and also the low values of the dielectric constant of the glass samples ranging from 3 to 7 . the results indicated that glasses would be suitable as a potential replacement for pb-free dielectric glass layer for plasma display panels .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/01/2012** **0028/2012** **May 2017** **25/09/2017** **28234**

(51)	**Int. Cl. [8] B01D 61/42**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. SANAA AHMED ALI IBRAHIM** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**NATIONAL RESEARCH CENTER - FOCAL POINT/ Magda Mohasab**
(12)	**Patent**

(54)	**SYSTEM TO SEPARATE THE FRACTIONS OF PROTEINS WITH DIFFERENT MOLECULAR WEIGHT ON THIN LAYER OF POLYACRYLAMIDE GEL BY ELECTROPHORESIS APPARATUS**
	Patent Period Started From 04/01/2012 and Will end on 03/01/2032

(57) The present invention relates to a system of separation protein-fractions with different molecular weights on thin layer of polyacrylamide gel by electrophoresis apparatus. A part of this invention is to find accurate method for separation different fractions of protein. Two glass plates' diameters are 11.5x 21 cm, thickness range 0.2-0.4 cm. Solutions are poured between the two plates, after polymerization occurred protein samples are putting in the electric electrophoresis apparatus and run till finished, put the gel plate in staining container. In this case the concentration of the gel is 8% or 12% according to protein required.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/02/2013** **0333/2013** **June 2017** **25/09/2017** **28235**

(51)	**Int. Cl. [8] A61m 5/00**
(71)	**1. ABDEL KHALIK EBRAHIM EL SAYED ELSAADANI (EGYPT)** **2.** **3.**
(72)	**1. ABDEL KHALIK EBRAHIM EL SAYED ELSAADANI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Utilty Model**

(54)	**TRIPLE DRAINAGE GLAUCOMA TUBE IMPLANT**
	Patent Period Started From 27/02/2013 and Will end on 26/02/2020

(57) **A** new glaucoma drainage implant by using simple tube to divert aqueous humor from the anterior chamber of the Eye directly into Schlemm's Canal, to control and reduce intraocular pressure associated with Glaucoma . The implant has no valve , no holes for fixsation , no pump , no sensor for pressure control and has no thin membrane with small hole in the anterior chamber tube . The implant consists of a horizontal tube connected with the vertical tube at a right angle to form a single T shaped tube implant. The two ends of the horizontal tube are implanted into the two ostia of Schlemm's Canal to drain aqueous in both direction and to achieve auto-fixation and physiological auto-regulation . The vertical tube is implanted in the anterior chamber to drain the aqueous humor directly into Schlemm's Canal The implant has specific internal and external diameters to adapt implantation in the two ostia of Sclemm,s canal and anterior chamber, and also has smooth internal lumen and external surface.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/05/2011** **0747/2011** **May 2017** **26/09/2017** **28236**

(51)	**Int. Cl. [8] F25J 1/00, 1/02**
(71)	**1. AIR PRODUCTS AND CHEMICALS, INC(UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BROSTOW, Adam, Adrian** **2. ROBERTS, Mark, Julian** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/272.909 - 18-11-2008** **2. (PCT/IB2009/007519) – 16-11-2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) LIQUEFACTION METHOD AND SYSTEM

Patent Period Started From 16/11/2009 and Will end on 15/11/2029

(57)

Liquefaction using a closed loop refrigeration system, including compressing a gaseous

refrigerant stream; cooling at least a portion of the compressed gaseous refrigerant

stream in a first heat exchanger; expanding a first portion of the cooled, compressed

gaseous refrigerant stream from the first heat exchanger to provide a first expanded gaseous refrigerant stream; cooling and substantially liquefying a feed gas stream to form a substantially liquefied feed gas stream in a second heat exchanger through indirect heat exchange against the first portion of the first expanded gaseous refrigerant stream; and further cooling a second portion of the cooled, compressed gaseous refrigerant stream from the first heat exchanger in a third heat exchanger by indirect heat exchange with a second portion of the first expanded gaseous refrigerant stream, wherein the first expanded gaseous refrigerant stream exiting the first expander is substantially vapor.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/09/2013** **D1 1513/2013** **May 2017** **26/09/2017** **28237**

(51)	**Int. Cl. [8] C02F 1/00**
(71)	**1. CRYSTAL LAGOONS (CURACAO) B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. FISCHMANN T., Fernando** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/469,537 - 30-03-2011** **2. (US) 13/136,474 - 01-08-2011** **3. (PCT/US2011/051236) – 12-09-2011**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) SYSTEM FOR TREATING WATER USED FOR INDUSTRIAL PURPOSES

Patent Period Started From 12/09/2011 and Will end on 11/09/2031

(57) A system for treating water at low cost, which will be used in an industrial process, is provided. A system of the invention includes at least one feeding line of water, at least one containing means which comprises a receiving means , at least one coordination means, at least one chemical application means, at least one mobile suction means, at least one propelling means, at least one filtration means, at least one collecting line coupled between said mobile suction means and said filtration means, at least one return line from said filtration means to said containing means and at least one water outlet line from said containing means to downstream process. The system of the invention purifies the water and eliminates suspended solids in the water by filtering a small fraction of the total volume of water.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/05/2015** **0825/2015** **April 2017** **26/09/2017** **28238**

(51)	**Int. Cl. [8] C25B 11/04, 9/20**
(71)	**1. INDUSTRIE DE NORA S.P.A. (ITALY)** **2.** **3.**
(72)	**1. BRICHESE, Marianna** **2. CALDERARA, Alice** **3. DEL CURTO, Cecilia**
(73)	**1.** **2.**
(30)	**1. (EP) MI2012A002030 - 29-11-2012** **2. (PCT/EP2013/073490) – 11-11-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) CATHODE FOR ELECTROLYTIC EVOLUTION OF HYDROGEN

Patent Period Started From 11/11/2013 and Will end on 10/11/2033

(57) The invention relates to an electrode suitable as a cathode for hydrogen evolution in industrial electrolytic processes. The electrode comprises a metallic substrate, an internal catalytic layer containing rhodium and an external catalytic layer containing ruthenium.

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology

GRANTED PATENTS' ABSTRACTS GAZETTE

"PATENTS ISSUED IN OCTOBER 2017 "

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(PATENT No. 28288) …… (51)

(PATENT No. 28289) …… (52)

Preface

We are on the verge of a new era which is founded on the basis of technological development and hence, we have to follow it in all fields of national development . Technology has become the basis for the increase in national income and production and hence, scientific research has become our real hope as a way for advancement and as a necessity for life .

Emerging from the responsibility of the Academy of Scientific Research and Technology towards strengthening the pillars of science and technology , I have the pleasure to introduce the Granted Patent's Abstracts of the Publication of Patents monthly, Which includes bibliographical data . This periodical is directed to all those interested in the vital field of Intellectual property which encompasses patents, innovations and creative works .

I hope that this publication meets its targeted objective , namely increasing the welfare , prosperity and advancement for our beloved country, Egypt .

Acting President of Patent Office

Mr. Adel El- Saeid Oweide

Bibliographic data

Bibliographic data	symbol
Patent Number	11
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International Patent Classification	51
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Inventor Name	72
Patentee Name	73
Patent Attorney Name	74

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TH	Thailand
TM	Turkmenistan
TN	Tunisia
TR	Turkey
TT	Trindad and Topago
TW	Taiwan
TZ	United Republic of Tanzania
UA	Ukraine
UG	Uganda
US	United States of America
UY	Uruguay
UZ	Uzbekistan
VC	Saint Vincent and the Grenadines

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ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
OCTOBER (2017)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/10/2011** **1808/2011** **April 2017** **03/10/2017** **28239**

(51)	**Int. Cl. [8] C02F 11/04**
(71)	**1. SCIENCE AND TECHNOLOGY DEVELOPMENT FUND (EGPYT)** **2.** **3.**
(72)	**1. TAREK ISMAIL MAHMOUD SABRY** **2. AHMED SHAFIK AHMED EL-GENDY** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MARWA ALAA EL DIN MOHAMED ABDEL-MEGUID**
(12)	**Patent**

(54)	**WASTEWATER TREATMENT SYSTEM FOR PRODUCING AN ENERGY SOURCE AND A TREATED EFFLUENT SUITABLE FOR IRRIGATION**
	Patent Period Started From 25/10/2011 and Will end on 24/10/2031

(57) The proposed was tewater treatment system consists of several stages mainly including biological and physical treatment processes. The raw wastewater is treated initially in two stages anaerobic reactors to break down organic matter into simpler organics. In addition, biogas is produced during the anaerobic stages, which can be used as a source of energy. The an aerobically treated water is then passed through passive aeration to increase the content of dissolved oxygen before aerobic biological filter with attached growth to improve the removal of organics. After that, to obtain an effluent that can be used in unrestricted irrigation according to the ECP 501 - 2005, the effluent is passed through a slow sand filter followed by disinfection using calcium hypochlorite.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/02/2013** **0270/2013** **April 2017** **03/10/2017** **28240**

(51)	**Int. Cl. [8] B04b 1/00, 5/00, 7/00**	
(71)	**1. FUND OF SCIENCE AND TECHNOLOGICAL DEVELOPMENT (EGPYT)** **2.** **3.**	
(72)	**1. HEBA AHMED HANI ALI** **2. MAHMED HASSN SOROUR** **3. HAYAM FAHIM SHAALA**	**4. MAYADA HOSNY EL SAID** **5. MARWA MAHMED EL SAYED** **6. GHADA AHMED EL BAZEDI**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)	**MARWA ALAA EL DIN MOHAMED ABDEL-MEGUID**	
(12)	**Patent**	

(54) A SEPARATION APPARATUS AND TECHNIQUE FOR THE RECOVERY OF SOLUBLE SALTS AND MATTER FROM GROUND WATER, SEAWATER AND BRINES.

Patent Period Started From 18/02/2013 and Will end on 17/02/2033

(57) This patent is considered with aseparation apparatuse and teqniquae for recovery of soluble salats and Matter from Ground water, Seawater and Brines. Through membrane systems is comprised of three membrane types which are microfiltration (MF), ultrafiltration (UF) and nanofiltration (NF). The patent also includes an innovative technique for connections and hydraulic piping which enables the achievement of different modes for parallel, serial and alternative flow regimes. This allows for sophisticated separations of elements or compounds from industrial wastewaters, underground waters, seawater and brines. Utilization of functional polymers or complexing agents for the formation of temporary complexes, in this patent, will permit the separation of the small compounds which have a radius smaller than the average radius of the applied membrane modules. This is followed by decomplexation for the regeneration of the polymeric materials for reuse in the separation process.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/01/2013** **0004/2013** **June 2017** **08/10/2017** **28241**

(51)	**Int. Cl. [8] F24J 2/42 & E21B 43/24 & F22B 33/18**
(71)	**1. GLASSPOINT SOLAR, INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. O'DONNELL, John Setel** **2. VON BEHRENS, Peter Emery** **3. HEISLER, Stuart M** **4. JACKSON, David Bruce**
(73)	**1.** **2.**
(30)	**1. (US) 61/361,507 - 05-07-2010** **2. (PCT/US2011/042907) - 03-07-2011** **3.**
(74)	**Abdul Hadi Intellectual Property**
(12)	**Patent**

(54) OILFIELD APPLICATION OF SOLAR ENERGY COLLECTION

Patent Period Started From 03/07/2011 and Will end on 02/07/2031

(57) Solar energy is collected and used for various industrial processes, such as oilfield applications, e.g. generating steam that is injected downhole, enabling enhanced oil recovery. Solar energy is indirectly collected using a heat transfer fluid in a solar collector, delivering heat to a heat exchanger that in turn delivers heat into oilfield feedwater, producing hotter water or steam. Solar energy is directly collected by directly generating steam with solar collectors, and then injecting the steam downhole. Solar energy is collected to preheat water that is then fed into fuel-fired steam generators that in turn produce steam for downhole injection. Solar energy is collected to produce electricity via a Rankine cycle turbine generator, and rejected heat warms feedwater for fuel-fired steam generators. Solar energy is collected (directly or indirectly) to deliver heat to a heater-treater, with optional fuel-fired additional heat generation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/01/2013** **0006/2013** **June 2017** **08/10/2017** **28242**

(51)	**Int. Cl. [8] F24J 2/04, 2/10, 2/38, 2/24**
(71)	**1. GLASSPOINT SOLAR, INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. VON BEHRENS, Peter Emery** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/361,509 - 05-07-2010** **2. (PCT/US2011/042891) - 02-07-2011** **3.**
(74)	**Abdul Hadi Intellectual Property**
(12)	**Patent**

(54)	**CONCENTRATING SOLAR POWER WITH GLASSHOUSES**
	Patent Period Started From 02/07/2011 and Will end on 01/07/2031

(57) A protective transparent enclosure (such as a glasshouse or a greenhouse) encloses a concentrated solar power system. The concentrated solar power system includes one or more solar concentrators and one or more solar receivers. Thermal power is provided to an industrial process, electrical power is provided to an electrical distribution grid, or both. In some embodiments, the solar concentrators are parabolic trough concentrators with one or more lateral extensions. In some embodiments, the lateral extension is a unilateral extension of the primary parabolic trough shape. In some embodiments, the lateral extensions are movably connected to the primary portion. In some embodiments, the lateral extensions have a focal line separate from the focal line of the base portion. In some embodiments, the greenhouse is a Dutch Venlo style greenhouse.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/09/2012** **1578/2012** **April 2017** **09/10/2017** **28243**

(51)	**Int. Cl. [8] A23K 1/18 & A23N 17/00**
(71)	**1. PA, LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. OLIVIER, Laurent** **2. HAVEMANN, Greg** **3. ALDERSON, Brandi** **4. ANTALIK, Paul**
(73)	**1.** **2.**
(30)	**1. (US) 61/314,736 - 17-03-2010** **2. (PCT/US2011/028911) - 17-03-2011** **3.**
(74)	**TAREK MAHMOUD BADRAN**
(12)	**Patent**

(54)	**METHOD AND SYSTEM FOR PROCESSING OF AQUATIC SPECIES**
	Patent Period Started From 17/03/2011 and Will end on 16/03/2031

(57) Disclosed herein is a method and system of recovering multiple products from industrial-scale production of a biomass of an aquatic species.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/07/2012** **1259/2012** **May 2017** **09/10/2017** **28244**

(51)	**Int. Cl. [8] C12L 5/44**
(71)	**1. CREATIVE CO.LTD. (JAPAN)** **2.** **3.**
(72)	**1. KIYAMA, Michihiro** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2010-008343 - 18-01-2010** **2. (PCT/JP2010/068494) - 20-10-2010** **3.**
(74)	**TAREK MAHMOUD BADRAN**
(12)	**Patent**

(54)	**A METHOD AND COMPOSITION OF SOLID FUEL**
	Patent Period Started From 20/10/2010 and Will end on 19/10/2030

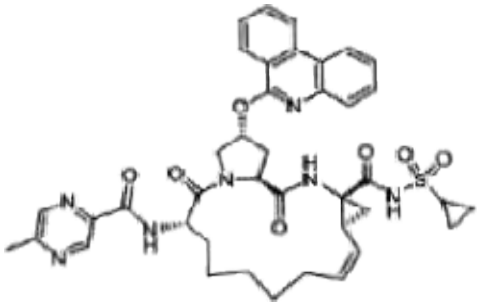
(57) The present invention relates to a method and composition of solid fuel as source of energy comprises a composition containing 70 wt% or more, on dry basis, of the fruit seed or press cake thereof of ricinus communis, triadica sebifera, jatropha curcas, zea mays or prosopis glandulosa (honey mesquito) and is hot compression molded to obtain molded product (solid fuel) while 30 wt% or less from a natural product such as starch or rubber, the solid fuel is characterized that calorific value reach to 30 mj/kg .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/03/2011** **0365/2011** **May 2017** **11/10/2017** **28245**

(51)	**Int. Cl. [8] A61K 31/47, C07D 401/12 & 245/04, A61P 31/12**	
(71)	**1. ABBVIE BAHAMAS LTD. (UNITED STATES OF AMERICA)** **2. ENANTA PHARMACEUTICALS, INC. (UNITED STATES OF AMERICA))** **3.**	
(72)	**1. KU, Yiyin** **2. MCDANIEL, Keith, F** **3. CHEN, Hui-ju** **4. SHANLEY, Jason, P** **5. KEMPF, Dale, J** **6. GRAMPOVNIK, David, J** **7. SUN, Ying** **8. LIU, Dong;**	**9. GAI, Yonghua** **10. OR, Yat, Sun** **11. wagaw,sable,h** **12. ENGSTROM, Ken** **13. GRIEME, Tim** **14. SHEIKH, Ahmad** **15. MEI, Jianzhang**
(73)	**1.** **2.**	
(30)	**1. (US) 61/191,725 - 11-09-2008** **2. (US) 61/209,689 - 10-03-2009** **3. (PCT/US2009/005082) - 10-09-2009**	
(74)	**NERMIEN AFEEF SALMAN AL-ALI**	
(12)	**Patent**	

(54)	**MACROCYCLIC HEPATITIS C SERINE PROTEASE INHIBITORS**
	Patent Period Started From 10/09/2009 and Will end on 09/09/2029

(57) The present invention relates to novel macrocyclic compounds and methods of use thereof. The present invention further relates to pharmaceutical compositions comprising the compounds of the present invention, or pharmaceutically acceptable salts, esters, or prodrugs thereof, in combination with a pharmaceutically acceptable carrier or excipient.



Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/11/2013** **1831/2013** **April 2017** **11/10/2017** **28246**

(51)	**Int. Cl. [8] F24J 2/07, 2/16, 2/46**
(71)	**1. COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES** **2.** **3.**
(72)	**1. COUTURIER, Raphael** **2. FLEURY, Gatien** **3. BREGEARD, Etienne** **4. BRUCH, Arnaud**
(73)	**1.** **2.**
(30)	**1. (FR) 1154769 - 31-05-2011** **2. (PCT/EP2012/060134) - 30-05-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**LONGER- LIFE SOLAR POWER PLANT RECEIVER**
	Patent Period Started From 30/05/2012 and Will end on 29/05/2032

(57) The invention relates to a solar receiver of longitudinal axis, comprising: an absorber (A); a beam extending over the entire length of the solar receiver and intended for suspending the receiver in the power plant; and a protective casing mounted around the beam and containing a thermal insulator that surrounds the beam, said protective casing being intended to protect the beam from heating from the solar flux (F). The beam and the protective casing can slide in relation to one another along the longitudinal axis.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/02/2013** **0225/2013** **April 2017** **11/10/2017** **28247**

(51)	**Int. Cl. [8] D04H 1/56, 4/02, 5/098**
(71)	**1. BOMA ENGINEERING SRL (ITALY)** **2.** **3.**
(72)	**1. BOSCOLO, Galliano** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 10172606.5 - 12-08-2010** **2. (US) 61/468,118 - 28-03-2011** **3. (PCT/EP2011/063770) - 10-08-2011**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**PROCESS AND APPARATUS FOR SPINNING FIBRES AND IN PARTICULAR FOR PRODUCING A FIBROUS-CONTAINING NONWOVEN**
	Patent Period Started From 10/08/2011 and Will end on 09/08/2031

(57) The present invention relates to a process and apparatus for spinning fibers for producing meltblown fibres. It comprises a die head with several spinning orifices, means for extruding at least one melted polymeric material through the spinning orifices of the die head in the form of meltblown filaments, and means for blowing a hot primary gas flow towards the outlet of the die head in order to draw and attenuate the polymeric filaments at the outlet of the die head, and a drawing unit that is positioned below the die head, and that is adapted to create an additional gas flow that is oriented downstream to further draw and attenuate the meltblown filaments.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/02/2014** **0305/2014** **May 2017** **17/10/2017** **28248**

(51)	**Int. Cl. [8] B60F 5/02 & B64C 3/56, 37/00**
(71)	**1. AEROMOBIL, S.R.O. (SLOVAKIA)** **2.** **3.**
(72)	**1. KLEIN, Stefan** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (SK) PP 5039-2011 – 30-08-2011** **2. (SK) PUV 5044-2011 - 30-08-2011** **3. (PCT/SK2012/000010) - 22-08-2012**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**TRANSFORMATION METHOD OF HYBRID TRANSPORTATION VEHICLE FOR GROUND AND AIR, AND HYBRID TRANSPORTATION VEHICLE ITSELF**
	Patent Period Started From 22/08/2012 and Will end on 21/08/2032

(57) Transformation method of hybrid transportation vehicle for ground and air includes the following transformation and reciprocal steps: Tilting the compensation cover on. Expansion of both whole wings from the transportation vehicle longitudinal position around two vertical axes into the flying position. Expansion of rear parts of wings from the top front parts of wings into the spread flying position by tilting the rear of each wing around a horizontal axis. The take-off and landing tilting of wings by an angle of attack alpha = 0 to 40? of the wings onset. Front wheels track is reduced by axially shifting the front wheels towards the fuselage. Furthermore, a corresponding hybrid transportation vehicle for ground and air is described which contains reciprocal transformation mechanisms for transformation from a sterling double or four-track automobile into a sterling aircraft for take-off and landing on the ground or water, and vice versa.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/04/2013** **0574/2013** **May 2017** **17/10/2017** **28249**

(51)	**Int. Cl. [8] A24D 3/06**	
(71)	**1. CELANESE ACETATE LLC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. BURKE, Peter** **2. GUSIK, Meinhard** **3. HUFEN, Julia**	**4. SRINIVASAN, Ramesh** **5. ROBERTSON, Raymond** **6. JIMENEZ, Luis**
(73)	**1.** **2.**	
(30)	**1. (US) 61/390,213 - 06-10-2010** **2. (US) 61/390;211 - 06-10-2010** **3. (US) 12/981,909 - 30-12-2010** **4. (PCT/US2011/20013) - 03-01-2011** **5. (PCT/US2011/43269) - 07-07-2011** **6. (PCT/US2011/044142) - 15-07-2011**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) SMOKE FILTERS FILTERS FOR SMOKING DEVICES WITH POROUS MASSES HAVING A CARBON PARTICLE LOADING AND AN WNCAPSULATED PRESSURE DROP

Patent Period Started From 15/07/2011 and Will end on 14/07/2031

(57) Disclosed are filters, smoking devices, related articles and apparatus, and related methods. The filters include porous masses that have an active particle and a binder particle, wherein the active particle comprises carbon and the porous mass has a carbon loading of at least about 6 mg/mm and an encapsulated pressure drop of about 20 mm of water or less per mm of porous mass.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/07/2012** **1258/2012** **April 2017** **15/10/2017** **28250**

(51)	**Int. Cl. [8] H04W 12/04**	
(71)	**1. EKO INDIA FINANCIAL SERVICES PVT. LTD (INDIA)** **2.** **3.**	
(72)	**1. SINHA, Abhinav** **2. SINHA, Abhishek** **3. VARGHESE, Anupam**	**4. NALDURAG, Prasad** **5. BHASKAR, Raghav** **6. PANJWANI, Saurabh**
(73)	**1.** **2.**	
(30)	**1. (IN) 451/DEL/2010 - 02-03-2010** **2. (PCT/IN2011/000128) - 01-03-2011** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) AUTHENTICATION METHOD AND DEVICE

Patent Period Started From 01/03/2011 and Will end on 28/02/2031

(57) The present invention describes a method for authenticating a user of a mobile device by a verification authority, by making use of at least a personal identification number (PIN) and at least one cryptographic key, such that the PlN and the cryptographic key is known only to the user and the verification authority. The cryptographic key has at least one session key. Firstly, the user encodes the PIN by using at least one session key and then transfers the encoded PIN to a predefined address of the verification authority via the mobile device. Next, the verification authority decodes the PIN by using the cryptographic key authenticates the user if the decoded PIN matches a PlN stored corresponding to the user.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/02/2015** **0253/2015** **June 2017** **15/10/2017** **28251**

(51)	**Int. Cl. [8] B64d 37/32**
(71)	**1. WAEL MOHAMED KAMEL ABDEL-MEGEED (EGPYT)** **2.** **3.**
(72)	**1. WAEL MOHAMED KAMEL ABDEL-MEGEED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**PROCEDURE TO PREVENT STORAGE FUEL TANK FIRE AND EXPLOSIONS**
	Patent Period Started From 15/02/2015 and Will end on 14/02/2035

(57) The goal of this procedure is to prevent or reduce the possibility of storage fuel tank fire / explosion which can be used in gas stations, airports or refineries, this procedure can be done by ulhge oxygen percentage controlling, which can be reached by replacing nitrogen with oxyge a gas after inerting process ,this process will be done by using : vacuum pump using to evacuate oxygen from ullage, reaching the pressure to 0.098psi" oxygen percentage below 1% " using vacuum pressure switch. Nitrogen tank used for supplying nitrogen gas after evacuation until ullage pressure reached to 10 psi, using pressure switch. Oxygen galvanic cell sensor to measure oxygen percentage "inserted outside of fuel tank which is more safe and easy for maintenance procedures" and suction pump to pass oxygen from tank to sensor and back to the tank "to make of the ullage oxygen percentage measuring accuracy " . Manual switch which can be used to change the patent process to washing concept" continuous nitrogen feeding" in case of patent process malfunction or emergency .

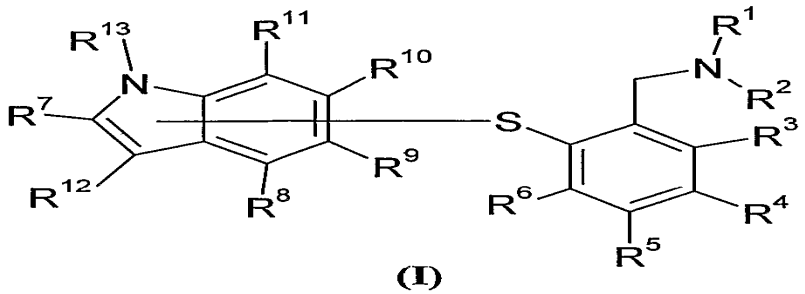
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/06/2006** **PCT/NA /000598/2006** **May 2017** **16/10/2017** **28252**

(51)	**Int. Cl. [8] C07D 209/30, 401/12 & A61K 31/404 & A61P 29/00**
(71)	**1. H. LUNDBECK A/S (DENMARK)** **2.** **3.**
(72)	**1. KEHLER, Jan** **2. JUHL, Karsten** **3. SEJBERG, Jimmy** **4. Norgaard,morten,bang**
(73)	**1.** **2.**
(30)	**1. (US) 60/532,593 23-12-2003** **2. (DK) PA200301923 - 23-12-2003** **3. (PCT/DK2004/000894) - 21-12-2004**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) 2-(1H-INDOLYLSULFANYL)-BENZYL AMINE DERIVATIVES AS SSRI

Patent Period Started From 21/12/2004 and Will end on20/12/2024

(57) The present invention relates to aniline derivatives of the general formula I and their use as serotonin reuptake inhibitors and preferably also norepinephrine reuptake inhibitors in the treatment of depression, anxiety, affective disorders, pain disorders, attention deficit hyperactivity disorder (ADHD) and stress urinary incontinence.



(I)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/07/2014** **1124/2014** **May 2017** **16/10/2017** **28253**

(51)	**Int. Cl. [8] C01B 3/02, 3/34 & C07C 1/12, 1/04**
(71)	**1. HALDOR TOPSOE A/S (DENMARK)** **2.** **3.**
(72)	**1. DAHL, Juul, Per** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DK) PA2012 00008 - 04-01-2012** **2. (PCT/EP2012/076667) - 21-12-2012** **3.**
(74)	**RAGAEY ELDEKY**
(12)	**Patent**

(54) CO-PRODUCTION OF METHANOL AND UREA

Patent Period Started From 21/12/2012 and Will end on 20/12/2032

(57) Process for co-producing methanol and urea from a hydrocarbon feedstock comprising the sequential steps of :

(a) producing a synthesis gas containing hydrogen, carbon monoxide and dioxide and nitrogen by steam reforming the hydrocarbon feedstock in a primary reforming stage and subsequently in a secondary reforming stage ;

(b) subjecting the synthesis gas from step (a) to a partial water gas shift;

(c) removing at least part of the carbon dioxide from the synthesis gas from step (b); (d) catalytically converting the carbon monoxide, carbon dioxide and hydrogen of the synthesis gas from step (c) in a once-through methanol synthesis stage and withdrawing an effluent containing methanol and a gaseous effluent containing nitrogen, hydrogen and unconverted carbon monoxide and carbon dioxide ; (e) subjecting the gaseous effluent from step (d) to catalytic methanation to remove the unconverted carbon monoxide and carbon dioxide ; (f) catalytically converting the nitrogen and hydrogen in the gaseous effluent from step (e) in an ammonia synthesis stage and withdrawing an effluent containing ammonia; and (g) passing at least part of the ammonia containing effluent to an urea synthesis stage and converting the ammonia in the effluent to urea product by reaction with at least part of the carbon dioxide being removed from the synthesis gas in step (c), wherein the secondary reforming stage in step (a) is operated with oxygen enriched air .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/02/2014** **0174/2014** **June 2017** **18/10/2017** **28254**

(51)	**Int. Cl. [8] C09C 1/02 & C02F 1/68, 3/34**
(71)	**1. OMYA INTERNATIONAL AG (SWITZERLAND)** **2.** **3.**
(72)	**1. DI MAIUTA, Nicola** **2. SCHWARZENTRUBER, Patrick** **3. SKOVBY, Michael**
(73)	**1.** **2.**
(30)	**1. (EP) 11177031.9 - 09-08-2011** **2. (US) 61/523,867 –16-08-2011** **3. (PCT/EP2012/065251) - 03-08-2012**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) SURFACE-TREATED CALCIUM CARBONATE FOR BINDING AND BIOREMEDIATING HYDROCARBON-CONTAINING COMPOSITIONS

Patent Period Started From 03/08/2012 and Will end on 02/08/2032

(57) The invention relates to a surface-treated calcium carbonate for binding and bioremediating hydrocarbon-containing compositions, to a method for binding and bioremediating hydrocarbon-containing compositions as well as to the use of surface-treated calcium carbonate for binding and bioremediating hydrocarbon- containing compositions and to a composite material comprising the surface-treated calcium carbonate and a hydrocarbon-containing composition.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/08/2014** **1281/2014** **June 2017** **18/10/2017** **28255**

(51)	**Int. Cl. [8] G06Q 20/28 & G06Q 20/3**
(71)	**1. THALES (FRANCE)** **2.** **3.**
(72)	**1. D'ATHIS, Thierry** **2. LEONETTI, Jean** **3. RATIER, Denis**
(73)	**1.** **2.**
(30)	**1. (FR) 12/00388 - 09-02-2012** **2. (PCT/EP2013/052594) - 08-02-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PAYMENT SYSTEM, PAYMENT TERMINAL OF SAID SYSTEM, AND ASSOCIATED PAYMENT METHOD

Patent Period Started From 08/02/2013 and Will end on 07/02/2033

(57) This payment system comprises a payment terminal and an electronic payment support designed to interact with the payment terminal, the payment support carrying an amount having a first residual value, and comprises: a first rewritable memory, and a second fuse memory, comprising a plurality of bits each capable of changing status a single time. The payment terminal is programmed to deduce the first residual value from the joint reading of the first and second memories.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/04/2014** **0520/2014** **June 2017** **19/10/2017** **28256**

(51)	**Int. Cl. [8] E01C 11/26 & F24D 13/02 & H05B 3/56**
(71)	**1. THERMOWATT S.P.A (ITALY)** **2.** **3.**
(72)	**1. GIOMBI Giuseppino** **2. MARTELLI Sandro** **3. NERI Giampaolo**
(73)	**1.** **2.**
(30)	**1. AN2013U000030 - 03-04-2013** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Utility model**

(54)	**IMPROVEMENTS IN AN ARMOURED ELECTRIC RESISTANCE FOR STORAGE WATER HEATERS**
	Patent Period Started From 02/04/2014 and Will end on 01/04/2021

(57) The object of this patent is an armored electrical resistance (R) for electrical storage water heaters, in particular referring to improvements for fixing the metal pipes of the heating element to its base. Said electrical resistance (R) is provided with dedicated collars whereon said metal pipes and the thermostat sheath are fixed , through the use of a single – component epoxy resin . Using said single – component epoxy resin permits to avoid the standard braze welding of the tin-based alloy , simplifying and seeding up of the processes of bonding said metal pipes to the base of the support of said electrical resistance (R).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/05/2014** **PCT/2014/000829** **June 2017** **19/10/2017** **28257**

(51)	**Int. Cl. [8] C11B 3/14**
(71)	**1. ALFA LAVAL CORPORATE AB (SWEDEN)** **2.** **3.**
(72)	**1. SARUP, Bent** **2. Marques de Lima** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 11190313.4 - 23-11-2011** **2. (PCT/EP2012/071666) - 01-11-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DE-ACIDIFICATION OF FATS AND OILS

Patent Period Started From 01/11/2012 and Will end on 31/10/2032

(57) The present invention relates to a method for treating vegetable oils and/or animal fats comprising a vacuum steam stripping operation, condensing the neutral oils from vapour phase at an elevated temperature, retaining and sending back to the stripping column, allowing steam, volatile fatty acids, micronutrients together with other volatiles to pass to a cold condensation zone, and condensing the volatile fatty acids, micronutrients together with other volatiles in the cold condensation zone, producing a condensate and a stream of steam, non-condensable gases along with traces of fatty acids and other lighter hydrocarbons vapours. The invention may include a distillation step, either between the high and low temperature condensation zones or following the cold condensation zone.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/06/2014** **0974/2014** **June 2017** **19/10/2017** **28258**

(51)	**Int. Cl. [8] B28B 11/10, 19/00 & E04C 2/04**
(71)	**1. SAINT-GOBAIN PLACO SAS (FRANCE)** **2.** **3.**
(72)	**1. JEAN, Remi** **2. MONGROLLE, Jean Louis** **3. DRAG, Dariusz** **4. MORLAT, Richard**
(73)	**1.** **2.**
(30)	**1. (EP) 11290582.3 - 15-12-2011** **2. (EP) 12290248.9 - 23-07-2012** **3. (PCT/EP2012/075380) - 13-12-2012**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**A PRESSING ASSEMBLY AND METHOD FOR FORMING A DEPRESSION WITHIN A MOVING, GYPSUM BOARD**
	Patent Period Started From 13/12/2012 and Will end on 12/12/2032

(57) A pressing assembly and a method for forming a depression within a moving, wet gypsum board is disclosed. The assembly comprises a pressing head comprising a pressing surface which is arranged to contact the board, and a support member, the pressing head being arranged to compress a portion of the board between the pressing surface and the support member to form a depression within the board. The pressing surface comprises a first and second surface portion separated by a relief portion, which is arranged to press the board toward the support head with less compressive force than the first and second surface portion. The assembly further comprises drive means for moving the pressing head and the support member in a first direction which substantially corresponds with the direction of the moving board, and a second direction which is substantially perpendicular to a plane of the board, while the speed of the pressing assembly in the first direction substantially matches the speed of the board.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/03/2013** **0457/2013** **May 2017** **19/10/2017** **28259**

(51)	**Int. Cl. [8] A61M 25/06, 5/32**
(71)	**1. POLY MEDICURE LIMITED (INDIA)** **2.** **3.**
(72)	**1. BAID, Rishi** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IN) 2252/DEL/2010- 21-09-2010** **2. (PCT/IB2011/054136)- 2 1-09-2011** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**NEEDLE TIP GUARD FOR INTRAVENOUS CATHETER ASSEMBLY**
	Patent Period Started From 21/09/2011 and Will end on 20/09/2031

(57) A needle tip guard for a medical device, in particular for an intravenous cathether assembly, the needle tip guard comprising: a base portion having a bore extending along an axial direction A for receiving a needle having a needle shaft such that the needle may extend through the bore and move relative to the needle tip guard from a spread- apart position in which the needle tip is outside the needle tip guard to a protective position in which the needle tip is covered by the needle tip guard first and second jaw extending from the distal side of the said base portion generally in the axial direction A; each of the said first and second jaws having a head portion in the region of its free end, wherein the said first jaw rests over the needle shaft in the spread-apart position: one or more locking means onto the outer surface of the needle tip guard for securing the said needle tip guard to the said medical device; and at least one resilent member or elastic element integrally mounted onto the said jaws in a region between the said base portion and the head portions such that said resilent member or elastic element exerts an inward restoring force on the said jaws when the jaws are fully or partially spread apart by the said needle shaft.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/05/2014** **0771/2014** **May 2017** **19/10/2017** **28260**

(51)	**Int. Cl. [8] F24J 2/24**
(71)	**1. BABCOCK & WILCOX POWER GENERATION GROUP INC. (UNITED STATES OF** **2. AMERICA)** **3.**
(72)	**1. KRAFT, David, L** **2. MARSHALL, Jason, M** **3. PERSINGER, Justin, A** **4. WASYLUK, David, T**
(73)	**1.** **2.**
(30)	**1. (US) 13/677,519 - 15-11-2012** **2. (US) 61/560,527 -16-11-2011** **3. (PCT/US2012/065324) - 15-11-2012**
(74)	**MOHAMED KAMEL MOSTAFA**
(12)	**Patent**

(54)	**SOLAR TUBE PANEL WITH DUAL-EXPOSURE HEAT ABSORPTION**
	Patent Period Started From 15/11/2012 and Will end on 14/11/2032

(57) A dual-exposure heat absorption panel is disclosed, which can be used in a solar receiver design. Generally, the heat absorption panel includes a tube panel through which a heat transfer fluid is flowed to absorb solar energy from heliostats that are focused on the tube panel. A structural support frame surrounds the tube panel. A stiffener structure runs across the exposed faces of the tube panel. The headers and other support structures on the periphery are protected by use of a heat shield. Different tube couplings are possible with this structure, as well as different stiffening structures at the headers. The heat shield can be shaped to create an open space, permitting focusing of sunlight on the edge tubes as well. A curtain can be used as an additional heat shield in certain scenarios.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/03/2014** **0457/2014** **June 2017** **22/10/2017** **28261**

(51)	**Int. Cl. [8] C01F 7/04**
(71)	**1. EGYPTIAN PETROLEUM RESEARCH INSTITUTE (EGYPT)** **2.** **3.**
(72)	**1. MOHSEN SHEHATA MOSTAFA MOHAMED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**KHALID ABDUL ZAHIR**
(12)	**Patent**

(54)	**A METHOD FOR DIRECT PREPARATION OF SELF CHLORINATED ACIDIC ALUMINUM OXIDE IN MICRONIIZED FORM**
	Patent Period Started From 24/03/2014 and Will end on 23/03/2034

(57) Self chlorinated acidic alumin with definite granule size (177-250 microns) was prepared directly in one step: firstly by dehydration of aluminum chloride solution at 90-105 c in a capping media compisies high density polyethylene and paraffin wax under n2 atmosphere for the preparation of anhydrous aluminum chloride nanoparticles followed by oxidation of theses prepared nanoparticles at 180-250 c (maximum) with air, accompanied with recyclization of the evolved chlorides into the reaction mixture for the self acidification and incorporation of chloride into the finally prepared alumina. The prepared alumina exhibited highly and permanent acidity as a result of the presence of entrapped chlorides, comprising nanotubes and leaves like morphologies as it had uniform size in range of 60-80 mesh (177-250 microns).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/07/2013** **1206/2013** **June 2017** **22/10/2017** **28262**

(51)	**Int. Cl. [8] A61K 9/19, 31/496 & A61M 5/00**
(71)	**1. OTSUKA PHARMACEUTICAL CO., LTD (JAPAN)** **2.** **3.**
(72)	**1. HIRAOKA, Shogo** **2. TANIGUCHI, Kiyoshi** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2011-011711 - 24-01-2011** **2. (PCT/JP2012/051285) - 17-01-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**MEDICAL DEVICE CONTAINING A CAKE COMPOSITION COMPRISING ARIPIPRAZOLE AS AN ACTIVE INGREDIENT**
	Patent Period Started From 17/01/2012 and Will end on 16/01/2032

(57) The present invention relates to a medical device containing in a storage container whose inner wall is treated with silicon. A freeze dried cake composition comprising separately prepared aripiprazole as an active ingredient wherein there is a space between the inner wall and the cake composition.

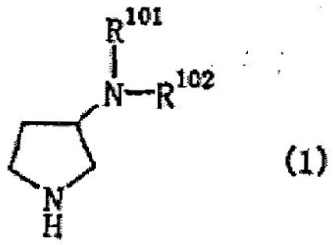
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/11/2012** **PCT/NA2007/001228** **June 2017** **22/10/2017** **28263**

(51)	**Int. Cl. [8] A61K 31/140, 31/497 & A61P 25/00 & C07D 207/14**
(71)	**1. OTSUKA PHARMACEUTICAL CO., LTD (JAPAN)** **2.** **3.**
(72)	**1. KURIMURA, Muneaki** **2. TAIRA, Shinichi** **3. TOMOYASU, Takahiro** **4 ITO, Nobuaki** **5. TAI, Kuninori** **6. TAKEMURA, Noriaki** **7. MATSUZAKI, Takayuki** **8. MENJO, Yasuhiro** **9. MIYAMURA, Shin** **10. SAKURAI, Yohji** **11. WATANABE, Akihito** **12. SAKATA, Yasuyo** **13. MASUMOTO, Takumi** **14. AKAZAWA, Kohel** **15. SUGINO, Haruhiko** **16. AMADA, Naoki** **17. OHASHI, Satoshi** **18. SHINOHARA, Tomoichi** **19. SASAKI, Hirofumi** **20. MORITA Chisako** **21. YAMASHITA Junko** **22. NAKAJIMA, Satoko**
(73)	**1.** **2.**
(30)	**1. (JP) 2005-141230 - 13-05-2005** **2. (PCT/JP2006/309988) - 12-05-2006** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) N,N-SUBSTITUTED 3-AMINOPYRROLIDINE COMPOUNDS USEFUL AS MONOAMINES REUPTAKE INHIBITORS

Patent Period Started From 12/05/2006 and Will end on 11/05/2026

(57) The present invention provides a pyrrolidine compound of General Formula (1) or a salt thereof, wherein $R^{101}$and $R^{102}$are each independently a phenyl group or a pyridyl group, the phenyl group or the pyridyl group may have one or more substituents selected from halogen atoms and lower alkyl groups optionally substituted with one or more halogen atoms, etc. The pyrrolidine compound or a salt thereof of the present invention is usable to produce a pharmaceutical preparation having a wider therapeutic spectrum and being capable of exhibiting sufficient therapeutic effects after short-term administration.



(1)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/03/2015** **0428/2015** **June 2017** **22/10/2017** **28264**

(51)	**Int. Cl. [8] B65D 85/804**
(71)	**1. K-FEE SYSTEM GMBH (GERMANY)** **2.** **3.**
(72)	**1. KRUGER, Marc** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 10 2012 109 186.2 - 27-09-2012** **2. (PCT/EP2013/070251) - 27-09-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**SINGLE SERVE CAPSULE COMPRISING A FILTER ELEMENT CONNECTED THERETO BY SEALING**
	Patent Period Started From 27/09/2013 and Will end on 26/09/2033

(57) The present invention relates to a single serve capsule for preparing a beverage, comprising a side wall and a bottom, which together define a space, a filter element being sealed to the bottom within said space.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/07/2014** **2014/1235** **JUNE** **22/10/2017** **28265**

(51)	**Int. Cl. [8] B22D 19/08**
(71)	**1. ESCO CORPORATION (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BODDAPATI, Srinivasarao** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/593,091 - 31-01-2012** **2. (PCT/US2013/023541) - 29-01-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) **WEAR RESISTANT MATERIAL AND SYSTEM AND METHOD OF CREATING A WEAR RESISTANT MATERIAL**

Patent Period Started From 29/01/2013 and Will end on 28/01/2033

(57) A system and method of forming a wear resistant composite material includes placing a porous wear resistant filler material in a mold cavity and infiltrating the filler material with a matrix material by heating to a temperature sufficient to melt the matrix material, then cooling the assembly to form a wear resistant composite material, The system and method can be used to form the wear resistant composite material on the surface of a substrate, such as a part for excavating equipment or other mechanical part. One suitable matrix material may be any of a variety of ductile iron alloys.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/06/2013** **1005/2013** **June 2017** **22/10/2017** **28266**

(51)	**Int. Cl. [8] F24F 3/14**
(71)	**1. DUCOOL LTD. (ISRAEL)** **2.** **3.**
(72)	**1. FORKOSH, Dan** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/US2010/060037) - 13-12-2010** **2.** **3.**
(74)	**Nahed Wadih Rizk**
(12)	**Patent**

(54)	**METHOD AND APPARATUS FOR CONDITIONING AIR**
	Patent Period Started From 13/12/2010 and Will end on 12/12/2030

(57) An apparatus and a method for conditioning air has a quantity of liquid desiccant. A first portion of a first airflow is received in a first contact volume such that it contacts a first portion of the liquid desiccant. A second contact volume is in parallel with the first contact volume and receives a second portion of the first airflow. At least a portion of a second airflow is brought into contact with a second portion of the liquid desiccant in a third contact volume. A first heat exchanger is associated with the first portion of the liquid desiccant and configured to transfer heat between the first portion of the liquid desiccant and a first medium. A second heat exchanger is associated with the second portion of the liquid desiccant and configured to transfer heat between the second portion of the liquid desiccant and a second medium.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/08/2014** **1414/2014** **June 2017** **22/10/2017** **28267**

(51)	**Int. Cl. [8] G 10L 19/00**
(71)	**1. FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V. (GERMANY)** **3.**
(72)	**1. WABNIK, Stefan** **2. PICKEL, JOrg** **3. GREEVENBOSCH, Bert** **4. GRILL, Bernhard** **5. EBERLEIN, Ernst DEL GALDO,** **6. DEL GALDO, Giovanni** **7. KRAGELOH, Stefan** **8. ZITZMANN, Reinhard** **9. BLIEM, Tobias** **10. BREILING, Marco** **11. BORSUM, Juliane**
(73)	**1.** **2.**
(30)	**1. (EP) 10154964.0 – 26-02-2010** **2. (PCT/EP2011/052614) - 22-02-2011** **3.**
(74)	**HODA SERAG ELDIN**
(12)	**Patent**

(54)	**WATERMARK GENERATOR, WATERMARK DECODER, METHOD FOR PROVIDING A WATERMARK SIGNAL IN DEPENDENCE ON BINARY MESSAGE DATA, METHOD FOR PROVIDING BINARY MESSAGE DATA IN DEPENDENCE ON A WATERMARKED SIGNAL AND COMPUTER PROGRAM USING A DIFFERENTIAL ENCODING**
	Patent Period Started From 22/02/2011 and Will end on 21/02/2031

(57) A watermark generator for providing a watermark signal in dependence on binary message data, comprises an information processor configured to provide, in dependence on information units of the binary message data, a first time-frequency domain representation, values of which represent the binary message data. The watermark generator also comprises a differential encoder configured to derive a second time-frequency domain representation from the first time-frequency-domain representation, such that the second time-frequency-domain representation comprises a plurality of values, wherein a difference between two values of the second time-frequency-domain representation represents a corresponding value of the first time-frequency-domain representation, in order to obtain a differential encoding of the values of the first time-frequency-domain representation. The watermark generator also comprises a watermark signal provider configured to provide the watermark signal on the basis of the second time-frequency-domain representation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/03/2014** **0466/2014** **June 2017** **22/10/2017** **28268**

(51)	**Int. Cl. [8] A01K 61/00, 63/00**
(71)	**1. PRELINE FISHFARMING SYSTEM AS (NORWAY)** **2.** **3.**
(72)	**1. MAABO, Rune** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (NO) 20111316 - 28-09-2011** **2. (PCT/NO2012/050185) - 27-09-2012** **3.**
(74)	**NAHED WADIH RIZK**
(12)	**Patent**

(54)	**FISH FARMING PLANT, MODULE, METHOD AND USE**
	Patent Period Started From 27/09/2012 and Will end on 26/09/2032

(57) The present invention relates to a fish farming plant adapted for floating in free water. The plant comprises a substantially vertical inlet pipe) and a corresponding outlet pipe for taking in and discharging water, respectively, at a water depth having the desired water quality at a depth (h). A substantially horizontal residential compartment of an accommodation assembly has an inlet end and an outlet end. Lattices are provided at these ends. Also provided at said ends are angled end sections for connecting the inlet pipe, outlet pipe, and residential compartment. The plant also comprises at least one means for providing water flow through the residential compartment. The invention further includes a module for a residential compartment of a fish farming plant, a method for manufacturing an accommodation assembly, use of such a fish farming plant for smolt, as well as a method for emptying such a fish farming plant.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/09/2014** **1470/2014** **June 2017** **22/10/2017** **28269**

(51)	**Int. Cl. [8] A61F 13/551 & B65D 65/14, 75/20**
(71)	**1. SCA Hygiene Products AB (SWEDEN)** **2.** **3.**
(72)	**1. DAHL, Annika** **2. HENRIKSSON, Linda** **3. PERNEBORN, Robert** **4. SAARVALI, Eva-Li**
(73)	**1.** **2.**
(30)	**1. (PCT/SE2012/050425) - 23-04-2012** **2.** **3.**
(74)	**NAHID WADI RIZK TARAZI**
(12)	**Patent**

(54) A PACKAGING UNIT HAVING IMPROVED SEALING PROPERTIES

Patent Period Started From 23/04/2012 and Will end on 22/04/2032

(57) The present invention provides a packaging unit for hygiene articles and a method of forming said unit, the unit being formed from a sheet having at least one folding axis dividing the sheet into a first region and a second region. The inner surface of the first region comprises an inner edge portion and an outer edge portion, wherein one of said portions of is provided with adhesive, and the other of said portions is adhesive-free. Further, the inner and outer portions of the second region is either provided with adhesive or is adhesive-free in a complementary manner to the first region. Thus, when the sheet is folded about the folding axis, the edge portions carrying adhesive in the first region are brought in contact with the adhesive-free edge portions in the second region, and the edge portions carrying adhesive in the second region are brought in contact with the adhesive-free edge portions in the first region.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/07/2013** **1150/2013** **June 2017** **22/10/2017** **28270**

(51)	**Int. Cl. [8] C03C 17/00 & C23C 14/58 & B23K 26/00**
(71)	**1. SAINT-GOBAIN GLASS FRANCE (FRINCA)** **2.** **3.**
(72)	**1. BILAINE, Matthieu** **2. YEH, Li-Ya** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 1151897 - 08-03-2011** **2. (PCT/FR2012/050476) - 07-03-2012** **3.**
(74)	**NAHID WADI RIZK TARAZI**
(12)	**Patent**

(54) METHOD FOR OBTAINING A SUBSTRATE PROVIDED WITH A COATING

Patent Period Started From 07/03/2012 and Will end on 06/03/2032

(57) The invention relates to a method for obtaining a substrate provided with a coating on at least one of its faces, said method comprising a step of depositing said coating, followed by a step of heat-treating said coating by means of a main laser radiation. The method is characterised in that at least part of the main laser radiation transmitted through said substrate and/or reflected by said coating is redirected towards said substrate in order to form at least one secondary laser radiation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/01/2013** **0141/2013** **June 2017** **22/10/2017** **28271**

(51)	**Int. Cl. [8] B26B 21/40**
(71)	**1. THE GILLETTE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. WITKUS, Stephen, Charles** **2. WALKER, Vincent, Paul, Jr.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/849,381 - 03-08-2010** **2. (PCT/US2011/046387) - 03-08-2011** **3.**
(74)	**NAHED WADIH RIZK**
(12)	**Patent**

(54) SHAVING CARTRIDGE GUARD FOR SUPPORTING SK

Patent Period Started From 03/08/2011 and Will end on 02/08/2031

(57) A shaving cartridge with a housing, at least one blade mounted to the housing, and a guard having a plurality of spaced apart projections with an upper surface. The projections define a plurality of open slots extending transverse to the blade. The open slots have a lower surface extending between the plurality of projections. The open slots have a slot depth between the lower surface and the upper surface of about 0.10mm to about 0.5mm.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/11/2014** **1795/2014** **June 2017** **22/10/2017** **28272**

(51)	**Int. Cl. [8] A61B 17/00**
(71)	**1. JACKSON, Avery, M. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JACKSON, Avery, M.** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 13/728,987 - 27-12-2012** **2. (US) 61/647,747 - 16-05-2012** **3. (PCT/US2012/072175) - 28-12-2012**
(74)	**NAHED WADIH RIZK**
(12)	**Patent**

(54)	**ILLUMINATED ENDOSCOPIC PEDICLE PROBE WITH REPLACEABLE TIP**
	Patent Period Started From 28/12/2012 and Will end on 27/12/2032

(57) An endoscopic pedicle probe for use during spinal surgery to form a hole in a pedicle for reception of a pedicle screw has an enlarged proximal end for cooperation with the hand of the surgeon and an elongate shaft terminating in a distal tip that may be pushed through the pedicle to form the hole. The tip may be detachable for replacement. An endoscope extends through the shaft and is connected with a monitor to enable the surgeon to visually observe the area being treated. In a preferred form a light means extends through the shaft to illuminate the area being treated, and in a further preferred form a conduit extends through the shaft to convey a fluid to flush the area being treated. In a further embodiment, two endoscopes are associated with the probe.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/12/2014** **2059/2014** **June 2017** **23/10/2017** **28273**

(51)	**Int. Cl. [8] C01B 3/38 & B01J 8/00, 19/00 & G21C 17/00 & G01B 21/02 & F28F 9/013 G01N 33/22**
(71)	**1. METHANEX NEW ZEALAND LIMITED (NEW ZEALAND)** **2.** **3.**
(72)	**1. TAIT, Peter, Campbell** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (NZ) 603007 - 12-10-2012** **2. (PCT/IB2013/059289) - 11-10-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) TUBE MONITOR AND PROCESS MEASUREMENT AND CONTROL IN OR FOR A REFORMER

Patent Period Started From 11/10/2013 and Will end on 10/10/2033

(57) The invention relates to methods and apparatus of monitoring real-time temperature conditions within a reformer, comprising measuring a length of a reformer tube and calculating the temperature using the measured length. The data is then used for process control optimisation, overheat protection, and improved creep damage and fatigue life prediction.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/03/2015** **0429/2015** **June 2017** **23/10/2017** **28274**

(51)	**Int. Cl. [8] B31B 1/08, 19/02, 19/16 & B65G 47/53, 47/88**
(71)	**1. STARLINGER & CO GESELLSCHAFT M.B.H. (AUSTRIA)** **2.** **3.**
(72)	**1. GRABENWEGER, David** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 12185672.8 - 24-09-2012** **2. (PCT/EP2013/068311)- 04-09-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD AND DEVICE FOR TRANSPORTING FLAT WORKPIECES

Patent Period Started From 04/09/2013 and Will end on 03/09/2033

(57) The invention relates to a method and a device for transporting flat workpieces, in particular tubular bag bodies. The workpieces are transported in a longitudinal transport direction (x) into a working region such that the workpieces are arranged one behind the other individually or in a connected manner. A cutting device is provided in the working region. The workpieces are removed from the working region in a transverse transport direction (y) oriented orthogonally to the longitudinal transport direction. At least one workpiece holder which extends in the transverse transport direction (y) across the workpiece width is arranged in the working region, and the holder can be adjusted between a holding position and an open position in order to temporarily retain a workpiece which can be found in the working chamber. The at least one workpiece holder comprises at least two holding portions which are offset relative to each other with respect to the transverse transport direction (y) and which can be brought from the open position into the holding position in a successive manner from the rear to the front when seen in the transverse transport direction (y).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/09/2014** **1543/2014** **June 2017** **24/10/2017** **28275**

(51)	**Int. Cl. [8] G08G 5/00**
(71)	**1. MOHAMED DWEDAR AHMED ATTIA (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED DWEDAR AHMED ATTIA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) INTELLIGENT TRAFFIC SYSTEM IN WHICH CARS RECORD THEIR TRAFFIC VIOLATIONS

Patent Period Started From 28/09/2014 and Will end on 27/09/2034

(57) In this invention the automobile logged traffic violations on itself without the need for the existence of police man or cameras or radars, every time the car break red traffic signal or not to full stop at the stop signs or non-compliance with speeds specified on the highways or walk on the road at times isn't allowed to walk therein, the vehicle will register an offense, and will be a violation documented the location and time of occurrence, will not depend editing the offense on the presence of police men cannot be there in all places all the time, and would not depend editing the offense on the presence of cameras located in some places, and do not exist in most other places and may fail in the documentation of the offense for technical reasons including the failure of the photographic angle or there are obstructions when filming the car plate number, and will not depend editing the offense on the presence of radars on highways while drivers try to circumvent the cameras to take pictures of unclear car plate numbers. Use of modern technology in the editing traffic violations increases efficiency and reduces costs and eliminates the chance offense without registration at any time and in any place.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/10/2014** **1636/2014** **May 2017** **25/10/2017** **28276**

(51)	**Int. Cl. [8] A01P 21/00**
(71)	**1. VALENT BIOSCIENCES CORPORATION (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. WANG, Yueh** **2. DEVISETTY, Bala** **3. LOPEZ, John** **4. VENBURG, Gregory D** **5. WARRIOR, Prem** **PET6. RACEK, Peter D** **7. LIU, Xiaozhong** **8. WOOLARD, Derek D** **9. HEIMAN, Daniel F**
(73)	**1.** **2.**
(30)	**1. (US) 13/447,715 - 16-04-2012** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) AQUEOUS COMPOSITIONS CONTAINING THE POTASSIUM SALT OF (S)-(+)-ABSCISIC ACID

Patent Period Started From and Will end on

(57) The present invention generally relates to aqueous compositions containing salts of (S)-(+)-abscisic acid, the surfactant AtloxTM 4913, and the color stabilizers sodium citrate and sodium acetate, methods of their preparation, and methods of their agricultural use.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/08/2014** **1253/2014** **May 2017** **25/10/2017** **28277**

(51)	**Int. Cl. [8] C02F 1/461, 1/467 &C25B 11/04**
(71)	**1. INDUSTRIE DE NORA S.P.A. (ITALY)** **2.** **3.**
(72)	**1. BENEDETTO, Mariachiara** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) MI20120A000158 - 07-02-2012** **2. (PCT/EP2013/052403) - 07-02-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) ELECTRODE FOR ELECTROCHEMICAL ABATEMENT OF CHEMICAL OXYGEN DEMAND OF INDUSTRIAL WASTES

Patent Period Started From 07/02/2013 and Will end on 06/02/2033

(57) The invention relates to an electrode suitable for decreasing the chemical oxygen demand of waste-water comprising: a) a permanent component; and b) a sacrificial component arranged face-to-face and releasably attached to the permanent component and in electrical contact therewith, said permanent component consisting of a Substrate of a valve metal equipped with a catalytic coating containing noble metals or oxides thereof, said sacrificial component containing elemental iron. Further the invention relates to a method for abatement of the chemical oxygen demand in an aqueous waste containing oily compounds, glycols or waxes, optionally consisting of a foundry waste, by an electrolytic process involving anodic chlorine evolution in the presence of trivalent iron. Chlorine evolution may be carried out on the surface of an anode consisting of a catalytically activated-valve metal permanent component coupled to an iron-containing sacrificial component.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/02/2012** **0197/2012** **May 2017** **25/10/2017** **28278**

(51)	**Int. Cl. [8] C12P 19/02**
(71)	**1. ANNIKKI GMBH (AUSTRIA)** **2.** **3.**
(72)	**1. FACKLER, Karin** **2. MESSNER, Kurt** **3. KRONGTAEW, Chularat** **4. ERTL, Ortwin**
(73)	**1.** **2.**
(30)	**1. (AT) A 2009/1252 - 06-08-2009** **2. (AT) A 2009/1496 - 23-09-2009** **3. (AT) A 2009 /2030 - 23-12-2009** **4. (PCT/AT2010/000138) - 30-04-2010**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**PROCESS FOR THE PRODUCTION OF CARBOHYDRATE CLEAVAGE PRODUCTS FROM A LIGNOCELLULOSIC MATERIAL**
	Patent Period Started From 30/04/2010 and Will end on 29/04/2030

(57) A process for the production of xylitol, characterized by a combination of the measures that a lignocellulosic material is treated with an aqueous solution containing an alcohol, in particular a cl-4 alcohol or a phenol, and having a ph-value of between 11.0 and 14.0 in order to cleave lignocellulose and separate cleavage products from the material, whereby a material enriched with cellulose and hemicellulose, compared with the original lignocellulosic material, is obtained, and the obtained material enriched with cellulose and hemicellulose is treated with xylanase in order to obtain xylose and the xylose is enzymatically converted to xylitol .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/08/2014** **1301/2014** **June 2017** **26/10/2017** **28279**

(51)	**Int. Cl. [8] B01D 45/02 & E12B 21/07, 21/01, 43/34**
(71)	**1. SPECIALIZED DESANDERS INC. (CANADA)** **2.** **3.**
(72)	**1. HEMSTOCK, Christopher** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 13/372,291 - 13-02-2012** **2. (PCT/CA2012/050915) - 19-12-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DESANDING APPARATUS AND SYSTEM

Patent Period Started From 19/12/2012 and Will end on 18/12/2032

(57) A desanding system has an elongated vessel that is tilted at a non- zero inclination angle. A fluid inlet at the vessel's upper end discharges a gas stream having entrained liquids and particulates and a fluid outlet into a freeboard portion formed adjacent an upper portion of the vessel above a gas/liquid interface formed below the fluid outlet. A belly storage portion is formed below the interface. The freeboard portion of the vessel has a freeboard cross-sectional area that diminishes along the interface from the fluid inlet to a fluid outlet spaced away from and lower than the fluid inlet. The cross-sectional are of the freeboard portion causes precipitation of the entrained liquids and particulates therefrom and collect in the belly portion of the vessel. A desanded gas stream, being free of a substantial portion of the particulates is removed from the vessel through the fluid outlet.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/02/2012** **2066/2012** **April 2017** **26/10/2017** **28280**

(51)	**Int. Cl. [8] B01D 53/00, 53/14, 3/14**
(71)	**1. UNION ENGINEERING A/S (DENMARK)** **2.** **3.**
(72)	**1. FIND, Rasmus** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/DK2010/050146) - 17-06-2010** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHOD AND APPARATUS FOR THE PURIFICATION OF CARBON DIOXIDE USING LIQUID CARBON DIOXIDE**
	Patent Period Started From 17/06/2010 and Will end on 16/06/2030

(57) The present invention relates to an improved method for removing contaminants from a gaseous or liquid stream substantially comprising carbon dioxide. More specifically, the method comprises the step of subjecting the gaseous or liquid stream to an absorption step in which the absorbent is liquid carbon dioxide or a rectification step wherein the waste of carbon dioxide is minimized by utilizing a compressing means for generating a pressure difference between two streams in a reboiler.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/11/2011** **1871/2011** **May 2017** **26/10/2017** **28281**

(51)	**Int. Cl. [8] H04W 72/12, 72/04**
(71)	**1. TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) (SWEDEN)** **2.** **3.**
(72)	**1. ÖSTERGAARD, Jessica** **2. STATTIN, Magnus** **3. PELLETIER, Ghyslain**
(73)	**1.** **2.**
(30)	**1. (US) 61/175,668 - 05-05-2009** **2. (PCT/SE2010/050063) - 25-01-2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) HANDLING A SCHEDULING REQUEST TRIGGER

Patent Period Started From 25/01/2010 and Will end on 24/01/2030

(57) A method in a user equipment for handling a scheduling request trigger is provided. The user equipment comprises a buffer. After receiving data arriving into the buffer to be transmitted to a base station, the user equipment generates a scheduling request trigger. The scheduling request trigger is pending until it is cancelled, and is triggered directly or indirectly by the arrived data. The user equipment cancels the pending scheduling request trigger when the data that triggered the generation of the scheduling request trigger is accounted for in a buffer status report to be included in a scheduled data transmission to be transmitted to the base station, or when the data that triggered the generation of the scheduling request is included in a scheduled data transmission to be transmitted to the base station, whichever occurs first.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/11/2014** **1746/2014** **April 2017** **29/10/2017** **28282**

(51)	**Int. Cl. [8] G01M 3/02, 3/32, 3/28**
(71)	**1. CTR MANUFACTURING INDUSTRIES LIMITED (INDIA)** **2.** **3.**
(72)	**1. WAKCHAURE, Vijaykumar, K.** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/IB2012/052168) - 01-05-2012** **2.** **3.**
(74)	**mahmoud adel abdel hamid ismaeil**
(12)	**Patent**

(54)	**A DEVICE FOR DETECTING FLUID LEAKAGE**
	Patent Period Started From 01/05/2012 and Will end on 30/04/2032

(57) The subject matter disclosed herein relates to a device for detecting fluid leakage though a closed valve or rupture dise disposed in fluid pipe, said device comprising: fluid collection compartment attached to bottom of the fluid drain pipe for collecting leaked through aclosed fluid drain valve or rupture dise., the fluid collection compartment comprises at least one through hole each at top and bottom side, whereinarea surrounding the through hole of the bottom side of the fluid collection compartment is configured as fluid collection area to collect the leaked fluid., and bottom side of the fluid collection compartment is connected with a fluid discharge pipe that extends till predetermined height into the fluid collection compartment through the through hole., at least one fluid level switch positioned at a predetermined location inside the fluid collection compartment to trigger an alarm upon collection of predetermined amount of fluid in the fluid collection area to indicate fluid leakage.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/05/2014** **0711/2014** **June 2017** **29/10/2017** **28283**

(51)	**Int. Cl. [8] A24D 3/10, 3/06**
(71)	**1. CELANESE ACETATE LLC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BUNDREN, Christopher, M** **2. SANDERSON, William, S** **3. BUSBY, Paul** **4. CLARK, Edward, J**
(73)	**1.** **2.**
(30)	**1. (US) 13/288,261 - 03-11-2011** **2. (PCT/US2012/063573) - 05-11-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PRODUCTS OF HIGH DENIER PER FILAMENT AND LOW TOTAL DENIER TOW BANDS

Patent Period Started From 05/11/2012 and Will end on 04/11/2032

(57) A method for forming a filter rod may include providing a bale of crimped tow band having about 10 denier per filament or greater and about 20,000 total denier or less, the crimped tow band comprising a plurality of cellulose acetate filaments; and placing the crimped tow band in an apparatus so as to form a filter rod.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/07/2014** **1116/2014** **May 2017** **29/10/2017** **28284**

(51)	**Int. Cl. [8] B65D 53/00**
(71)	**1. CLOSURE SYSTEMS INTERNATIONAL INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ELLIOT, Daniel** **2. BASHYAM, Navaneeth** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/583,938 - 06-01-2012** **2. (PCT/US2013/020490) - 07-01-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**LINERLESS CLOSURE**
	Patent Period Started From 07/01/2013 and Will end on 06/01/2033

(57) A linerless closure for use on an associated container includes a unitary, one- piece closure body having a top wall portion, and an annular skirt portion depending from the top wall portion. The closure includes an annular, outer seal element which depends from the top wall portion for sealing engagement with a generally outwardly facing surface of the associated container. The closure includes an inner, plug seal element depending from the top wall portion for sealing engagement with a generally inwardly facing surface of the container. Notably, the closure includes a discontinuous pressure block in the form of a plurality of circumferentially spaced, seal reinforcement elements on the inside surface of the skirt portion, adjacent the top wall portion. The reinforcement elements are engageable by the outer seal element to limit outward deflection of the outer seal element, to enhance sealing cooperation with the associated container.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/04/2013** **0595/2013** **April 2017** **30/10/2017** **28285**

(51)	**Int. Cl. [8] A61N 2/12**
(71)	**1. FRADERA PELLICER, Carlos (SPAIN)** **2.** **3.**
(72)	**1. FRADERA PELLICER, Carlos** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (ES) U201031019 - 14-10-2010** **2. (PCT/ES2011/070707) - 13-10-2011** **3.**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) **MEDICAL EQUIPMENT FOR LOCALLY APPLYING A ROTARY MAGNETIC FIELD ON THE BODY OF A PATIENT**

Patent Period Started From 13/10/2011 and Will end on 12/10/2031

(57) Medical equipment comprising a device generating a magnetic field intended to be applied to apatient and a support structure for said patient a head generating the magnetic field is associated to said support structure and can be moved gradually and repeatedly in a guided manner mechanically and/or manually . In a position at a distance from the patient describing a trajectory defined by a supporting guide attached to said support structure the trajectory described by head runs in the transverse and/or longitudinal direction along the surface of the patients body to be treated with the magnetic field .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/06/2013** **1017/2013** **May 2017** **30/10/2017** **28286**

(51)	**Int. Cl. [8] A44B 18/00, B29C 59/02**
(71)	**1. 3M INNOVATIVE PROPERTIES COMPANY. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. HERTLEIN, Thomas** **2. WOOD, Leigh E** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/974,133 - 21-12-2010** **2. (PCT/US2011/066125) - 20-12-2011** **3.**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) METHOD OF MAKING A STRUCTURED SURFACE AND ARTICLE THEREFROM

Patent Period Started From 20/12/2011 and Will end on 19/12/2031

(57) A method of making a structured surface and a mechanical fastener precursor are disclosed. The method includes providing a thermoplastic backing with spaced-apart, upstanding posts with base portions attached to the thermoplastic backing and distal tips; deforming the distal tips to form caps on at least some of the spaced-apart, upstanding posts to provide capped posts, wherein at least some caps upon forming touch at least one adjacent cap; and separating the capped posts. Typically, the at least some caps upon forming are shaped at least partially by the at least one adjacent cap. The mechanical fastener precursor includes a thermoplastic backing and upstanding male fastening elements with bases attached to the thermoplastic backing and distal caps larger in area than the cross - sectional area of the bases, wherein the bases of the male fastening elements are spaced apart, wherein at least some of the distal caps touch at least one adjacent distal cap.

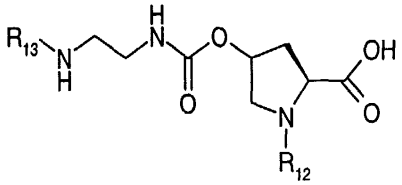
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/06/2005** **0280/2005** **May 2017** **30/10/2017** **28287**

(51)	**Int. Cl. [8] C07B 49/00 & C07C 65/01 & C07K 1/04**
(71)	**1. NOVARTIS AG., A JOINT STOCK COMPANY** **2.** **3.**
(72)	**1. PRIKOSZOVICH,WATTER** **2. WIETFELD,BERNHARD** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 0229020 - 12-12-2002** **2. (GB) 0229280 - 16-12-2002** **3. (PCT/EP2003/014082) - 11-12-2003**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) PROCESS FOR PEPTIDE SYNTHESIS

Patent Period Started From 11/12/2003 and Will end on 10/12/2023

(57) The present invention related to processes for preparing peptides and intermediates involved in such processes ,e.g , a process for preparing a compound of formula viii .wherein r12 and r13 are each removable protecting group and r12 and r13 are different .



Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/11/2015** **1830/2015** **May 2017** **30/10/2017** **28288**

(51)	**Int. Cl. [8] A23C 19/028, 19/055, 19/05, 19/068**
(71)	**1. INGREDIA (FRENC)** **2.** **3.**
(72)	**1. LESUR, Céline** **2. DAVID, Franck** **3. SNAPPE, Jean Jacques**
(73)	**1.** **2.**
(30)	**1. (FR) 13 54517 - 21-05-2013** **2. (PCT/FR2014/051186) - 21-05-2014** **3.**
(74)	**NAHID WADI RIZK TARAZI**
(12)	**Patent**

(54)	**METHOD FOR PRODUCING A CHEESE AND CHEESE PRODUCED**
	Patent Period Started From 21/05/2014 and Will end on 20/05/2034

(57) The invention relates to a method for producing a cheese which is spreadable and/or becomes stringy when cooked, said cheese being produced from powdered dairy protein concentrates. Especially the ratio of the weight of the calcium to the total weight of nitrogen material (Ca/MAT) in said dairy protein concentrates is higher than, or equal to, 0.10%, and lower than, or equal to, 2.80%.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/04/2015** **0649/2015** **May 2017** **31/10/2017** **28289**

(51)	**Int. Cl. [8] C10G 9/36, 55/04, 69/06, 51/04**
(71)	**1. LINDE AKTIENGESELLSCHAFT (GERMANY)** **2.** **3.**
(72)	**1. SCHMIDT, Gunther** **2. BANOVSKY, Boris** **3. WALTER, Stefanie**
(73)	**1.** **2.**
(30)	**1. (EP) 12007602.1 - 08-11-2012** **2. (PCT/EP2013/003358)- 07-11-2013** **3.**
(74)	**ABD ELHADI OFFICE**
(12)	**Patent**

(54) PROCESS FOR PRODUCING OLEFIN-CONTAINING PRODUCTS BY THERMAL STEAM CRACKING

Patent Period Started From 07/11/2013 and Will end on 06/11/2033

(57) A process is proposed for producing olefinic products by thermal steam cracking of a first furnace charge of hydrocarbons in at least one first cracking furnace and a second furnace charge of hydrocarbons in at least one second cracking furnace, wherein the first furnace charge in the at least one first cracking furnace is at least in part converted into a first product stream and the second furnace charge in the at least one second cracking furnace is at least in part converted into a second product stream, wherein, from the first product stream, a first pyrolysis oil is obtained and at least in part chemically processed. It is provided that the first pyrolysis oil, downstream of the chemical processing, is at least in part returned as furnace charge into the at least one first cracking furnace, and that the at least one first cracking furnace and the at least one second cracking furnace are operated at different cracking conditions.

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology

GRANTED PATENTS' ABSTRACTS GAZETTE

"PATENTS ISSUED IN NOVEMBER 2017 "

Egyptian Patent Office

Issue No 258 **DECEMBER 2017**

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(PATENT No. 28297) ……. (9)

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(PATENT No. 28302) ……. (14)

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(PATENT No. 28304) ……. (16)

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(PATENT No. 28319) ……. (31)

(PATENT No. 28320) ……. (32)

(PATENT No. 283221) ……. (33)

(PATENT No. 28322) ……. (34)

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(PATENT No. 28325) …….. (37)

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(PATENT No. 28327) …….. (39)

(PATENT No. 28328) …….. (40)

Preface

We are on the verge of a new era which is founded on the basis of technological development and hence, we have to follow it in all fields of national development . Technology has become the basis for the increase in national income and production and hence, scientific research has become our real hope as a way for advancement and as a necessity for life .

Emerging from the responsibility of the Academy of Scientific Research and Technology towards strengthening the pillars of science and technology , I have the pleasure to introduce the Granted Patent's Abstracts of the Publication of Patents monthly, Which includes bibliographical data . This periodical is directed to all those interested in the vital field of Intellectual property which encompasses patents, innovations and creative works .

I hope that this publication meets its targeted objective , namely increasing the welfare , prosperity and advancement for our beloved country, Egypt .

Acting President of Patent Office

Mr. Adel El- Saeid Oweide

Bibliographic data

Bibliographic data	symbol
Patent Number	11
Patent Kind	12
Application Number	21
Filing Date	22
Priority Number Priority Date Priority Country	30
Issuance Date	45
International Patent Classification	51
Title	54
Abstract	57
Applicant Name	71
Inventor Name	72
Patentee Name	73
Patent Attorney Name	74

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SZ	Swaziland
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TJ	Tajikistan
TH	Thailand
TM	Turkmenistan
TN	Tunisia
TR	Turkey
TT	Trindad and Topago
TW	Taiwan
TZ	United Republic of Tanzania
UA	Ukraine
UG	Uganda
US	United States of America
UY	Uruguay
UZ	Uzbekistan
VC	Saint Vincent and the Grenadines

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ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
NOVEMBER (2017)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/02/2014** **0291/2014** **June 2017** **01/11/2017** **28290**

(51)	**Int. Cl. [8] C12N 1/19**
(71)	**1. VTU HOLDING GMBH (AUSTRIA)** **2.** **3.**
(72)	**1. WEIS, Roland** **2. PURKARTHOFER, Thomas** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 11179496.2 - 31-08-2011** **2. (PCT/EP2012/066949) - 31-08-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**PROTEIN EXPRESSION**
	Patent Period Started From 31/08/2012 and Will end on 30/08/2032

(57) The present invention relates to a method for producing a recombinant protein or polypeptide of interest comprising the steps of

- providing a genetically modified yeast cell
- cultivating said genetically modified yeast cell in culture medium under conditions that allow for expression of the protein or polypeptide of interest and the at least one gene encoding the biosynthesis supporting polypeptide or protein and
- isolating the protein or polypeptide of interest from the culture medium.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/09/2014** **1534/2014** **July 2017** **05/11/2017** **28291**

(51)	**Int. Cl. [8] B23K 35/00, 35/365, 35/02 &C22C 19/00**
(71)	**1. ALFA LAVAL CORPORATE AB (SWEDEN)** **2.** **3.**
(72)	**1. SJODIN, Per** **2. WALTER, Kristian** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 12161742.7 - 28-03-2012** **2. (PCT/EP2013/056500) - 27-03-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**A NOVEL BRAZING CONCEPT**
	Patent Period Started From 27/03/2013 and Will end on 26/03/2033

(57) The present invention relates to an intermediate product for joining and coating by brazing comprising a base metal and a blend of boron and silicon, said base metal having a solidus temperature above 1040 ?C, and the intermediate product has at least partly a surface layer of the blend on the base metal, wherein the boron in the blend is selected from a boron source, and the silicon in the blend is selected from a silicon source, and wherein the blend comprises boron and silicon in a ratio of boron to silicon within a range from about 3:100 wt/wt to about 100:3 wt/wt. The present invention relates also to a stacked intermediate product, to an assembled intermediate product, to a method of brazing, to a brazed product, to a use of an intermediate product, to a pre-brazed product, to a blend and to paint.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/09/2013** **1507/2013** **July 2017** **05/11/2017** **28292**

(51)	**Int. Cl. [8] C02F 1/68**
(71)	**1. CRYSTAL LAGOONS (CURACAO) B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. FISCHMANN, T., Fernando** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/469,548 - 30-03-2011** **2. (US) 13/136,458 - 01-08-2011** **3. (PCT/US2011/051244) - 12-09-2011**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**SUSTAINABLE METHOD AND SYSTEM FOR TREATING WATER BODIES AFFECTED BY BACTERIA AND MICROALGAE AT LOW COST**
	Patent Period Started From 12/09/2011 and Will end on 11/09/2031

(57) The present invention relates to A system for treating and maintaining bodies of water for low density recreational use is disclosed. A system of the invention generally includes containing means, coordination means, chemical application means, non-intrusive mobile suction means, and filtration means. The coordinating means can receive information regarding controlled water quality parameters, and can timely activate the processes necessary to adjust the water quality parameters within their respective limits. The disclosed system filters only a small fraction of the total water volume, up to 200 times less per day than the flow filtered by conventional swimming pool filtration systems. The disclosed methods and system also use less chemicals than conventional swimming pool water treatment systems. The system of the present invention can be used to treat recreational water bodies and provide sustainable methods for producing water that meets Environmental Protection Agency (EPA) requirements for recreational water, for bathing with full body contact.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/07/2014** **1153/2014** **July 2017** **05/11/2017** **28293**

(51)	**Int. Cl. [8] C08G 63/48**
(71)	**1. DAK AMERICAS LLC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. THOMPSON, David, Eugene** **2. CODD, Helen, Jane** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 13/349,072 - 12-01-2012** **2. (PCT/US2013/021106) - 11-01-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) POLYESTER RESINS WITH PARTICULAR CARBON BLACK AS A REHEAT IN THE PRODUCTION OF STRETCH BLOW MOLDED BOTTLES AND ADDITIVE CONTAINERS

Patent Period Started From 11/01/2013 and Will end on 10/01/2033

(57) The present invention relates to Provided is a polyester or co-polyester resin used in the manufacture of preforms suitable for making bottles and containers containing a carbon black, particularly lamp black carbon black, with a primary particle size in a range of from 100 to 160 nanometers.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/04/2015** **0498/2015** **July 2017** **05/11/2017** **28294**

(51)	**Int. Cl. [8] A61M 15/00**
(71)	**1. CMS DI COLOSIO MAURO (ITALY)** **2.** **3.**
(72)	**1. COLOSIO, Mauro** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/IT2012/000302) - 02-10-2012** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**INHALER DEVICE**
	Patent Period Started From 02/10/2012 and Will end on 01/10/2032

(57) The present invention relates to An inhaler device of a powdered substance contained in a capsule comprises a capsule seat suitable for receiving the capsule, said capsule seat being made in two parts which can be reciprocally distanced, each capsule seat part being suitable for retaining a respective capsule part. Means of separation are operable to cause the distancing of said two capsule seat parts.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/09/2014** **1537/2014** **July 2017** **05/11/2017** **28295**

(51)	**Int. Cl. [8] B23K 35/00, 35/02, 35/365 & C22C 19/00**
(71)	**1. ALFA LAVAL CORPORATE AB (Sweden)** **2.** **3.**
(72)	**1. SJODIN, Per** **2. WALTER, Kristian** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 12161742.7 - 28-03-2012** **2. (PCT/EP2013/056529) - 27-03-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**A BRAZE ALLOY LAYERED PRODUCT**
	Patent Period Started From 27/03/2013 and Will end on 26/03/2033

(57) The present invention relates to a method for providing a braze alloy layered product comprising the following steps:

- applying at least one silicon source and at least one boron source on at least a part of a surface of a substrate, wherein the at least one boron source and the at least one silicon source are oxygen free except for inevitable amounts of contaminating oxygen, and wherein the substrate comprises a parent material having a solidus temperature above 1100 0C;
- heating the substrate having the applied boron source and the applied silicon source to a temperature lower than the solidus temperature of the parent material of the substrate; and cooling the substrate having the applied boron source and the applied silicon source, and obtaining the braze alloy layered product. The present invention relates further to a braze alloy layered product, a method for providing a brazed product, a method for providing a coated product, and uses of the braze alloy layered product.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/02/2013** **0279/2013** **July 2017** **05/11/2017** **28296**

(51)	**Int. Cl. [8] G10L 19/00**	
(71)	**1. FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V. (GERMANY)** **3.**	
(72)	**1. KUNTZ, Achim** **2. DISCH, Sascha** **3. HERRE, Jurgen**	**4. KUECH, Fabian** **5. HILPERT, Johannes**
(73)	**1.** **2.**	
(30)	**1. (US) 61/376,980 - 25-08-2010** **2. (PCT/EP2011/061360) - 06-07-2011** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) APPARATUS FOR DECODING A SIGNAL COMPRISING TRANSIENTS USING A COMBINING UNIT AND A MIXER

Patent Period Started From 06/07/2011 and Will end on 05/07/2031

(57) The present invention relates to An apparatus for generating a decorrelated signal comprising a transient separator, a transient decorrelator, a second decorrelator, a combining unit and a mixer, wherein the transient separator is adapted to separate an input signal into a first signal component and into a second signal component such that the first signal component comprises transient signal portions of the input signal and such that the second signal component comprises non-transient signal portions of the input signal. The combining unit and the mixer are arranged so that a decorrelated signal from a combination unit is fed into the mixer as an input signal.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/05/2012** **0911/2012** **May 2017** **06/11/2017** **28297**

(51)	**Int. Cl. [8] B65D 43/08, 41/22, 45/32, 41/20, 43/10**
(71)	**1. DAVID, Albert, John (AUSTRALIA)** **2.** **3.**
(72)	**1. DAVID, Albert, John** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (AU) 2009905779 26-11-2009** **2. (AU) 2010902747 - 22-06-2010** **3. (US) 61/383.625 - 16-09-2010** **4. (PCT/AU2010/001592) - 26-11-2010**
(74)	**HESHAM RAOOF MAHMOUD BAYOMY**
(12)	**Patent**

(54)	**STRUCTURE FOR A STORAGE UNIT**
	Patent Period Started From 26/11/2010 and Will end on 25/11/2030

(57) The present invention relates to A structure for substantially sealing a storage unit, wherein the structure includes an elastically stretchable flange cooperable with a lip provided on a rim of the storage unit, wherein the flange is elastically urged to seal against the lip of the storage unit.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/08/2014** **1316/2014** **July 2017** **06/11/2017** **28298**

(51)	**Int. Cl. [8] A23B 4/00 & A01K 61/56 & A61J 3/00**	
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2. SHERIF SALAH MOHAMED** **3. TAREK AHMED EL-DESOUKY** **4. AHMED SAEED HUSEIN** **5. SHERIF SALAH MOHAMED** **6. KHAYRIA MAHMOUD NAGUIB**	
(72)	**1. SHERIF SALAH MOHAMED** **2. TAREK AHMED EL-DESOUKY** **3. AHMED SAEED HUSEIN**	**4. SHERIF SALAH MOHAMED** **5. KHAYRIA MAHMOUD NAGUIB**
(73)	**1.**	
(30)	**1.**	
(74)	**MAGDA MAHSAB , AMAL YOUSEF , MONA MOHMAD FARED**	
(12)	**Patent**	

(54) METHOD TO PRODUCTION DIETARY FIBER FROM RICE STRAW AS ANTIFUNGAL AFLATOXIN-BL

Patent Period Started From18/08/2014 and Will end on 17/08/2034

(57) The present invention relates to the production of food fibers from rice straw using simple and easy technology is the dry heat to take advantage of rice straw, in the production of dietary fibers. The basis of dry heat method is cracking rice straw cellulose chains to become bio-available and easy to use industrially, where he was converted powder. Rice straw fibers by the previous method of anti-fungal powder in water solutions and the percentage of aflatoxin- bl elimination of this powder to 95%. As has been, the fiber produced from the rice straw was also used to strengthen baking french bread proportions by 5, 10 and 15%. These additions gave good results and this provides the country with a large percentage of wheat in addition to the elimination of rice straw.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/03/2014** **0441/2014** **July 2017** **07/11/2017** **28299**

(51)	**Int. Cl. [8] B22D 41/08**
(71)	**1. VESUVIUS CRUCIBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. RICHAUD, Johan** **2. CHUNG, William** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/537,905 - 22-09-2011** **2. (PCT/US2012/048068) - 25-07-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DOUBLE ENTRY CHANNEL LADLE BOTTOM

Patent Period Started From 25/07/2012 and Will end on 24/07/2032

(57) The present invention relates to A metallurgical ladle, and more particularly the bottom of the ladle or a ladle block in the bottom of the ladle, have an outlet through which the molten metal can drain. The ladle bottom contains an open-end channel bounded by at least one wall with a major dimension perpendicular to a line joining the center of the outlet entrance to the center of the wall. In selected configurations, opposing faces of the walls bounding the open-end channel are convex in the horizontal plane and concave in the horizontal plane, respectively.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/03/2013** **0470/2013** **June 2017** **07/11/2017** **28300**

(51)	**Int. Cl. [8] E21B 17/02**	
(71)	**1. HYDRIL COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. MALLIS, David, Llewellyn** **2. WARD, Gary, W** **3.**	
(73)	**1.** **2.**	
(30)	**1. (US) 12/890,290 - 24-09-2010** **2. (PCT/US2011/052471) - 21-09-2011** **3.**	
(74)	**MAHMOUD RAGAEY ELDEKY**	
(12)	**Patent**	

(54) STEP-TO-STEP WEDGE THREAD CONNECTIONS AND RELATED METHODS

Patent Period Started From 21/09/2011 and Will end on 20/09/2031

(57) The present invention relates to threaded connection includes a pin member comprising a first pin step and a second pin step, and pin wedge threads disposed on each of the first and second pin steps and a box member comprising a first box step and a second box step, and box wedge threads disposed on each of the first and second box steps, wherein an axial separation of the first and second pin steps differs from an axial separation of the first and second box steps.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/06/2014** **1005/2014** **July 2017** **08/11/2017** **28301**

(51)	**Int. Cl. [8] C12P 7/00**
(71)	**1. XYLECO, INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MEDOFF, Marshall** **2. MASTERMAN, Thomas** **3. MOON, Jaewoong** **4. YOSHIDA, Aiichiro**
(73)	**1.** **2.**
(30)	**1. (US) 61/579,576 - 22-12-2011** **2. (PCT/US2012/071083) - 20-12-2012** **3.**
(74)	**KHALED MAGDY MOKHTAR HAMADA**
(12)	**Patent**

(54) PRODUCTION OF SUGAR AND ALCOHOL FROM BIOMASS

Patent Period Started From 20/12/2012 and Will end on 19/12/2032

(57) The present invention relates to The processes disclosed herein include saccharifying cellulosic and/or lignocellulosic biomass and fermenting the sugars to produce a sugar alcohol.

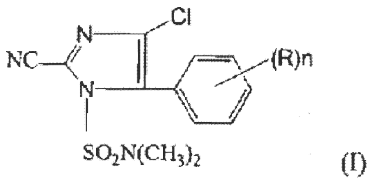
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/09/2010** **1629/2010** **June 2017** **08/11/2017** **28302**

(51)	**Int. Cl. [8] A01N 43/50, 63/02 & A01P 3/00**
(71)	**1. ISHIHARA SANGYO KAISHA, LTD (JAPAN)** **2.** **3.**
(72)	**1. MITANI, Shigeru** **2. SUGIMOTO, Koji** **3. TAKII, Yasuko**
(73)	**1.** **2.**
(30)	**1. (JP) 2008-085318 - 28-03-2008** **2. (JP) 2008-135649 - 23-05-2008** **3. (PCT/JP2009/056380) - 27-03-2009**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) BACTERICIDE COMPOSITION FOR AGRICULTURE AND HORTICULTURE AND METHOD FOR PREVENTING PLANT DISEASES

Patent Period Started From 27/03/2009 and Will end on 26/03/2029

(57) Provided is a composition having a stable and high bactericidal effect on a cultivated crop infected with a plant disease. A bactericide composition for agriculture and horticulture is provided by using (a) at least one compound of imidazole compounds represented by formula (i): (i) (wherein r is a c1-6 alkyl group or a c1-6 alkoxy group, and n is an integer of 1 to 5) and (b) polyoxins in admixture as active ingredients which is more excellent than in the case of using the respective compounds alone, thereby preventing plant diseases.



(I)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/01/2012** **0024/2012** **June 2017** **08/11/2017** **28303**

(51)	**Int. Cl. [8] A01N 43/50, 47/04 & A01P 3/00**
(71)	**1. ISHIHARA SANGYO KAISHA, LTD (JAPAN)** **2.** **3.**
(72)	**1. SUGIMOTO, Koji** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. JP) 2009-160257 - 06-07-2009** **2. (PCT/JP2010/061736) - 06-07-2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**AGRICULTURAL OR HORTICULTURAL FUNGICIDE COMPOSITION AND ITS USE FOR CONTROLLING PLANT PATHOGENS**
	Patent Period Started From 06/07/2010 and Will end on 05/07/2030

(57) The present invention provides a composition in which a fungicidal effect against a cultivated crop infected by a plant pathogen is stable and highly active. An excellent agricultural or horticultural fungicide composition for controlling a plant pathogen is provided by using (a) at least one imidazole compound represented by formula (I): wherein R represents a C1-6 alkyl group or a C1-6 alkoxy group; and n represents an integer of 1 to 5 and (b) folpet as active ingredients; by combination as compared to a single use of each compound, and a plant pathogen is thereby controlled.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/09/2014** **1483/2014** **April 2017** **09/11/2017** **28304**

(51)	**Int. Cl. [8] G03G 9/08, 9/087, 9/09**	
(71)	**1. RICOH COMPANY, LTD (JAPAN)** **2.** **3.**	
(72)	**1. SHIBA, Masana** **2. YAMASHITA, Hiroshi** **3. SUGIMOTO, Tsuyoshi** **4. ASAHINA, Daisuke**	**5. FUKUDA, Yukari** **6. TAKAHASHI, Rintaro** **7. SEKIGUCHI, Satoyuki**
(73)	**1.** **2.**	
(30)	**1. (JP) 2012-065422 - 22-03-2012** **2. (JP) 2012-235956 - 25-10-2012** **3. (PCT/JP2013/056223) - 28-02-2013**	
(74)	**SMAS CO**	
(12)	**Patent**	

(54) TONER, DEVELOPER, AND COLOR TONER SET

Patent Period Started From 28/02/2013 and Will end on 27/02/2033

(57) A toner, including: a binder resin; and a colorant, wherein the toner has a storage modulus of 1.0 x 107 Pa or more at 50℃, a loss modulus of 8.0 x 104 Pa to 2.0 x 105 Pa at 80℃, and a loss modulus of 2.0 x 102 Pa to 1.0 x 103 Pa at 160℃.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/08/2013** **1334/2013** **April 2017** **09/11/2017** **28305**

(51)	**Int. Cl. [8] F16L 15/04**	
(71)	**1. JFE STEEL CORPORATION (JAPAN)** **2.** **3.**	
(72)	**1. KAWAI, Takamasa** **2. TAKAHASHI, Kazunari** **3. CHIKATSUNE, Hiroshi** **4. YOSHIKAWA, Masaki**	**4. TAKANO, Jun** **5. NAGAHAMA, Takuya** **6. UETA, Masaki** **7. SONOBE, Osamu**
(73)	**1.** **2.**	
(30)	**1. (JP) 2011-042602 - 28-02-2011** **2. (JP) 2012-025825 - 09-02-2012** **3. (PCT/JP2012/055292) - 24-02-2012**	
(74)	**SMAS CO**	
(12)	**Patent**	

(54)	**THREADED COUPLING FOR PIPE**
	Patent Period Started From 24/02/2012 and Will end on 23/02/2032

(57) The present invention relates to In a radial-seal type threaded coupling for a steel pipe, there is room for improvement in ensuring the seal in terms of the rigidity of a pin nose. Specifically, the nose portion outer peripheral surface of a pin is provided with a shape of an outwardly convex curved surface, the seal surface of a box is provided with a tapered shape, and the cross-sectional area of the pin at a seal point (sp), which is a part on the nose portion outer peripheral surface of the pin that first comes into contact with the seal surface of the box when establishing a threaded engagement, is set to be equal to or greater than 35 % of the cross-sectional area of a base pipe portion, which is an unprocessed portion of the pin.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/03/2014** **0374/2014** **June 2017** **12/11/2017** **28306**

(51)	**Int. Cl. [8] C04B 28/04 & B28B 7/36 & B29C 67/24**
(71)	**1. ITALCEMENTI S.P.A. (ITALY)** **2.** **3.**
(72)	**1. ALFANI, Roberta** **2. CAPONE, Claudia** **3. RAMPINELLI, Flavio**
(73)	**1.** **2.**
(30)	**1. (IT) MI2011A001642 - 12-09-2011** **2. (PCT/EP2012/067762) - 12-09-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**LOW THICKNESS CEMENTITIOUS PRODUCT WITH ELEVATED SURFACE QUALITIES FOR NON-STRUCTURAL APPLICATIONS, AND METHOD FOR ITS MANUFACTURE**
	Patent Period Started From 12/09/2012 and Will end on /09/2032

(57) Aim of the present invention is to obtain cementitious products having smooth, planar surfaces and low thickness for applications having aesthetic purpose, of integrated architecture or as substrates, for example for a thin-film photovoltaic unit, with controlled curling and surface roughness, manufactured by mould casting of a fluid composition comprising:

1- a hydraulic binder;
2-. one or more aggregates;
3-. an anti-shrinkage agent;
4- a superplasticizer agent;
5- water,

wherein the percentage by weight of said hydraulic binder in the composition is lower than that of said aggregates, and wherein said aggregates have a maximum diameter dmax not greater than one third of the thickness of the product, the final product thus having an arithmetic mean surface roughness Ra not greater than 500 nm and curling not greater than 1500 micron.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/08/2012** **1412/2012** **May 2017** **13/11/2017** **28307**

(51)	**Int. Cl. [8] F21K 99/00**
(71)	**1. AYMAN MAHMOUD GOMAA DIEF (EGYPT)** **2.** **3.**
(72)	**1. AYMAN MAHMOUD GOMAA DIEF** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**CENTRAL EMERGENCY ELECTROSCOPE WITH LEDS**
	Patent Period Started From 15/08/2012 and Will end on 14/08/2032

(57) This invention relates to a central emergency electroscope working with LEDs. It is a 12-volt-battery charged via a 12-volt-transmitter; wires extend through this battery to the entire place, whether it is a hospital, a mosque, a pharmacy, a flat, etc. LEDs units of battery ends are used to lighten the whole place, and hence light could be well distributed via the central battery. Another 6-volt-transmitter is used for relay feed to switch the battery off and connect it either to the charging transmitter or to LEDs used to lighten the place in case of electric current cut off.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/11/2009** **1612/2009** **February 2017** **13/11/2017** **28308**

(51)	**Int. Cl. [8] B01D 11/00, 53/00, 19/00 & C12N 1/00, 15/00**
(71)	**1. DOAA AHMED ABD ELFATAH NAGI (EGYPT)** **2.** **3.**
(72)	**1. DOAA AHMED ABD ELFATAH NAGI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**APPARATUS AND METHOD FOR THE EXTRACTION AND COMPILATION OF CARBON DIOXIDE FROM THE AIR**
	Patent Period Started From 02/11/2009 and Will end on 01/11/2029

(57) Apparatus and method for the extraction and compilation of carbon dioxide from the air Using a unit by industrial equipment and materials chemicals to extract and assemble carbon dioxide is then packaged in cylinders.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/03/2014** **0387/2014** **June 2017** **13/11/2017** **28309**

(51)	**Int. Cl. [8] F16L 55/04**
(71)	**1. SCIENCE AND TECHNOLOGY DEVELOPMENT FUND (EGYPT)** **2.** **3.**
(72)	**1. MOHAMMED AHMED ALGAMIL AHMED ABDUL HAFEZ** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MARWA ALAA EL DIN MOHAMED ABDEL-MEGUID**
(12)	**Patent**

(54) SUPPRESSION OF PRESSURE AND FLOW RATE PULSATION BY USING RESONANCE TUNED D NAMIC H DRAULIC ACCUMULATORS

Patent Period Started From 13/03/2014 and Will end on 12/03/2034

(57) The dynamic hydraulic accumulator is used basically in suppressing the pressure and flow rate pulsation in hydraulic lines. This accumulator uses the mechanical spring mass system to produce larger dynamic displacement than the displacement results from the same static pressure, and hence larger stored hydraulic energy. This is carried out by tuning the accumulator natural frequency to a value suitable to suppress the fluctuation results from the exciting frequency. This accumulator facilitates using new types of positive displacement pumps and using the pulse width modulation technique in hydraulic systems. These applications provide more economic production and operation and better performance and efficiency.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/03/2013** **0393/2013** **June 2017** **13/11/2017** **28310**

(51)	**Int. Cl. [8] D01F 9/12, 9/127, 9/133**
(71)	**1. NATIONAL CENTER FOR HOUSING AND BUILDING RESEARCH (EGYPT)** **2.** **3.**
(72)	**1. SHERIF AHMED MOHAMED EL-KHODARY** **2. MOHAMED MORSY ABDEL-MOATY** **3.**
(73)	**1.** **2.**
(30)	**1. Egypt under number :2013/0393 (10/03/2013)** **2.** **3.**
(74)	**Walid Amin Younis**
(12)	**Patent**

(54)	**A DEVICE DEVICE FOR PREPARATION OF NANOMATERIALS AND THIN FILMS BY MEANS OF CHEMICAL VAPOR DEPOSITION (CVD)"**
	Patent Period Started From 10/03/2013 and Will end on 09/03/2033

(57) The current invention is a device device for preparation of nanomaterials and thin films by means of chemical vapor deposition (cvd)" which gives high purity materials in the simplest possible way as the vapor of the material to be prepared enters the cvd reactor. Absorbad molecules either disintegrate or interact with other gases or steam to form a solid or thin film on the substrate surface. The preparation of nanomaterials depends on the chemical deposition of the gases (cvd). The materials involved in the reaction are gaseous resulting from compressed gas tubes in the presence of a catalyst to complete the preparation process, or the materials in the reaction are liquid substances evaporated using a heater for on the fumes required for the reaction process and to obtain the material to be prepared.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/01/2012** **0015/2012** **April 2017** **13/11/2017** **28311**

(51)	**Int. Cl. [8] A63K 3/02**
(71)	**1. MOHAMED ALI ABD EL-MEGUID EL-MEKATAF (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED ALI ABD EL-MEGUID EL-MEKATAF** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**DEVICE OUT OF THE BLOCKS START**
	Patent Period Started From 03/01/2012 and Will end on 02/018/2032

(57) Competitions start speed of 100 m / 200 m / 400 m In athletics at the start of the contestants blocks start during the launch phase Where the the runners are out of the start blocks after the launch of the signal from the gun on the starting line up is necessity try out the incorrect , Also, if the the runners out of the start blocks before the launch of the signal from the gun is start false and is the expulsion of causing contestant in the wrong exit from the race , Depends where the right and sinned again by monitoring the provision of the runners for the moment they came out of blocks start , Are likely to make mistakes on the assessment of provision right or sinned it was trying to design a circuit to operate any source of electrical current and fitted with a bell and the light bulb and the keys to the start of each competitor in a common starting , And connected with a gun and start working on all the runners participating in the moment of departure, where collectively determine the false start, or the right of each individual competitor , The moment of departure for all the runners at one time by illuminating the lamp has rung the bell on his attempt Palmtsabak wrong only during the starting addition is a circuit training program for runners in training until it is not wrong in attempts to perform the official racing.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/02/2013** **0297/2013** **May 2017** **13/11/2017** **28312**

(51)	**Int. Cl. [8] A61K 31/45, A61P 3/10, C07D (211/36, 471/04)**	
(71)	**1. LG LIFE SCIENCES LTD. (KOREA)** **2.** **3.**	
(72)	**1. KIM, Bong Chan** **2. KIM, Kyu Young** **3. LEE, Hee Bong**	**4. AN, Ji Eun** **5. LEE, Kyu Woong**
(73)	**1.** **2.**	
(30)	**1. (KR) 10-2010-0086619 - 03-09-2010** **2. (PCT/KR2011/006260) - 25-08-2011** **3.**	
(74)	**SOHAIR ,SAMIA,SALWA MIKHAEEL REZK**	
(12)	**Patent**	

(54) METHOD FOR PREPARING INTERMEDIATE COMPOUND USED FOR THE PRODUCTION OF COMPOUNDS EXHIBITING INHIBITORY ACTIVITY FOR DIPEPTIDYL PEPTIDASE

Patent Period Started From 25/08/2011 and Will end on 24/08/2031

(57) The present invention relates to a novel method for preparing a compound of formula as the intermediate, which can be effectively used for preparation of a compound of formula exhibiting good inhibitory activity against dipeptidyl peptidase IV enzyme.

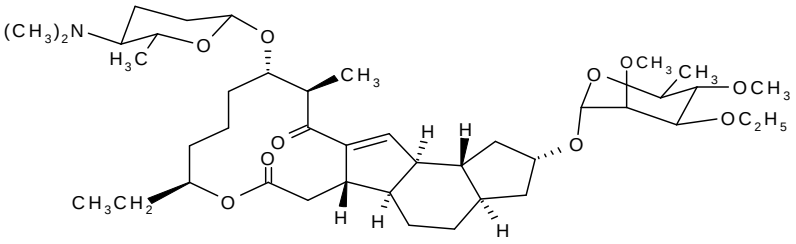
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/05/2011** **PCT/EP/2011/00692** **June 2017** **13/11/2017** **28313**

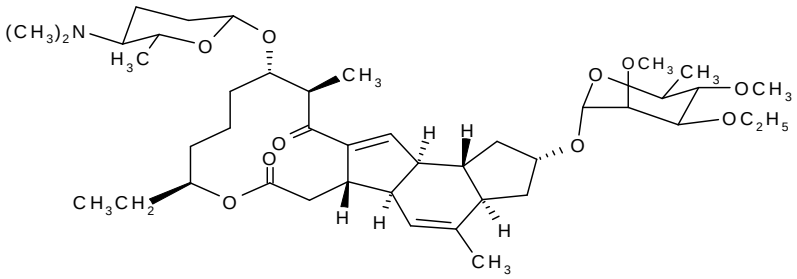
(51)	**Int. Cl. [8] A01N 43/22, 43/54, 43/56, 43/654, 51/00, 5/00, 7/04,& 3/00**	
(71)	**1. Syngenta Participations AG** **2.** **3.**	
(72)	**1. SCHADE, Michael** **2. GRIMM, Christoph** **3. FAERBER, Martin**	**4. HOFER, Dieter** **5. MULLER, Kaspar** **6. CAMPBELL, Scott**
(73)	**1.** **2.**	
(30)	**1. (GB) 0820343.2 - 06-11-2008** **2. (GB) 0821371.2 - 21-11-2008** **3 (GB) 0821372.0 - 21-11-2008** **4. (GB) 0821373.8 - 21-11-2008** **5.. (PCT/EP2009/063843) - 28-10-2009**	
(74)	**SOHEER, MICHEAL REZK,**	
(12)	**Patent**	

(54) PESTICIDAL COMPOSITIONS FOR PLANT PROTECTION

Patent Period Started From 28/10/2009 and Will end on 27/10/2029

(57) A method of protecting a plant propagation material, a plant, part of a plant and/or plant organ that grows at a later point in time against pest damage by applying to the plant propagation material a combination comprising a compound of formula (x) wherein compound of formulae (x) is a mixture of.





Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** 02/07/2012 **(21)** 1205/2012 **(44)** July 2017 **(45)** 13/11/2017 **(11)** 28314

(51)	**Int. Cl. [8] G01M 9/04 & A63G 31/00 & B64D 23/00 & F28F 1/02, 9/02, 9/06, 9/26**
(71)	**1. SKYVENTURE INTERNATIONAL (UK) LTD (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. METNI, N, Alan** **2. ARLITT, Mark** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/295,229 - 15-01-2010** **2. (PCT/US2011/021437) - 15-01-2011** **3.**
(74)	**Nahed Wadih Rizk**
(12)	**Patent**

(54) WIND TUNNEL TURNING VANE HEAT EXCHANGER

Patent Period Started From 15/01/2011 and Will end on 14/01/2031

(57) A cooling system for a wind tunnel is disclosed. The heat exchanger of the present disclosure is formed as a turning vane assembly in an airflow duct of a re- circulating wind tunnels. The individual vanes are formed from extruded aluminum with coolant fluid channels running continually down the length of the vane. One or more channels can be used, depending on the application of vane and the cooling capacity needed. The exterior of the vanes are formed in an airfoil shape to efficiently turn the air flow the desired amount in a manner well known in the art. The turning vanes are connected to a fluid supply with single piece connectors that removably attach to the turning vanes. In the depicted embodiment the connectors are attached with screws. In the depicted embodiment the connectors are formed as a single piece in a two-piece injection mold.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/12/2014** **1979/2014** **June 2017** **13/11/2017** **28315**

(51)	**Int. Cl. [8] C04B 26/00 & B29C 43/00 & B32B 37/00**
(71)	**1. AXENS (FRENCE)** **2.** **3.**
(72)	**1. MOREL Frederic** **2. BONNARDOT Jerome** **3. GUIBARD Isabelle**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MAGDA HAROUN**
(12)	**Patent**

(54) PROCESS FOR THE PRODUCTION OF WHITE OILS MEETING THE CFR STANDARDS FROM WASTE OILS

Patent Period Started From 08/12/2014 and Will end on 07/12/2034

(57) The present invention describes a process for the production of technical white oils or edible or medical oils from waste oils originating from industrial use or engine use, said process using a deep hydrotreatment.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/11/2014** **0108/2014** **June 2017** **14/11/2017** **28316**

(51)	**Int. Cl. [8] A61L 11/00 & A22B 7/00**	
(71)	**1. HIGIENIZO TECNICAS REUNIDAS, S.L.U (SPAIN)** **2.** **3.**	
(72)	**1. BAEZA ORTEGA, Fernando** **2. EGEA FERNÁNDEZ, Antonio** **3. ROMERO LÓPEZ, Miguel Angel**	**PUMARIÑO ÁLVAREZ, José Ramón** **BORGEAUD, Jaime** **GUZMÁN ARCOS, José Maria**
(73)	**1.** **2.**	
(30)	**1. (ES) P 201131274 - 26-07-2011** **2. (ES) P 201230284 - 24-02-2012** **3. (PCT/ES2012/070568) - 25-07-2012**	
(74)	**WAGDY NABIH AZIZ**	
(12)	**Patent**	

(54) PROCEDURE FOR THE PRESERVATION OF BY-PRODUCTS FROM THE MEAT INDUSTRY AND OTHER FOOD INDUSTRIES

Patent Period Started From 25/07/2012 and Will end on 24/07/2032

(57) Based on the idea known in itself of using preservatives to prevent putrefaction of the by-products during storage at the slaughterhouse and during transport, without the use of cold, the invention consists in the pressure application of such preservatives as well as pressurized air, such that a nebulisation of the preservatives is achieved, as well as a homogeneous distribution thereof on the by-products. This manoeuvre is performed every time by-products are loaded into the hopper, being dosed and applied to the apex of the cone and / or surface of the by-product stored in the holding hopper, so configured by the stacking of by-products. Furthermore the storage is performed without loss of leachates, using to this end a sealed airtight hopper. Thus the efficacy of the preservatives is maximized. Optionally the preservative may be incorporated during the phase for loading the by-products into the collecting silo or container, such that when the storage is carried out without loss of fluids from the by-products, a collecting silo or container that may or may not be airtight may then be used.

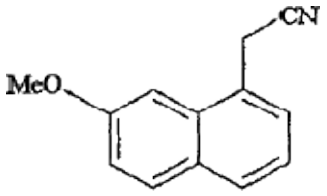
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/02/2010** **0169/2010** **June 2017** **14/11/2017** **28317**

(51)	**Int. Cl. [8] C07C 231/02, 233/18, 253/14 & 255/37**
(71)	**1. LES LABORATOIRES SERVIER (FERNCE)** **2.** **3.**
(72)	**1. DUBUFFET, Thierry** **2. LECOUVE, Jean-Pierre** **3. HERMET, Jean-Paul**
(73)	**1.** **2.**
(30)	**1. (FR) 07/05688 - 03-08-2007** **2. (PCT/FR2008/001146) - 01-08-2008** **3.**
(74)	**SHADY FAROUK MOBARK**
(12)	**Patent**

(54) NOVEL METHOD FOR THE SYNTHESIS OF (7-METHOXY-L-NAPHTHYL) ACETONITRILE AND APPLICATION IN THE SYNTHESIS OF AGOMELATINE

Patent Period Started From 01/08/2008 and Will end on 31/07/2028

(57) The invention relates to a method for the industrial synthesis of a compound of the formula (I). The invention can be used for the synthesis of agomelatine.



(I)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/02/2014** **0155/2014** **July 2017** **15/11/2017** **28318**

(51)	**Int. Cl. [8] A01N 33/18, 25/28, 25/22, 43/80**
(71)	**1. UPL LIMITED (INDIA)** **2.** **3.**
(72)	**1. SHROFF, Jaidev, Rajnikant** **2. SHROFF, Vikram, Rajnikant** **3. JADHAV, Prakash, Mahadev** **4. BECKER, Christian**
(73)	**1.** **2.**
(30)	**1. (IN) 2251/MUM/2011 - 10-08-2011** **2. (PCT/IB2011/002280) - 29-09-2011** **3.**
(74)	**SMAS CO**
(12)	**Patent**

(54)	**AN IMPROVED HERBICIDAL FORMULATION**
	Patent Period Started From 29/09/2011 and Will end on 28/09/2031

(57) A capsule suspension formulation comprising microencapsulated pendimethalin comprising a herbicidally effective amount of pendimethalin being encapsulated within a polymeric wall, said polymeric wall being in-situ formed by an interfacial polymerization reaction occurring between a first phase dispersed in a second phase, at least one of said first and second phases being characterized in comprising a pre-defined amount of at least one alkali or alkaline earth metal salt of an organic acid; and a herbicidally effective amount of a second herbicide.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/04/2013** **0606/2013** **June 2017** **19/11/2017** **28319**

(51)	**Int. Cl. [8] B29C 49/06, 49/68 & B29L 22/00**
(71)	**1. NISSEI ASB MACHINE CO., LTD (JAPAN)** **2.** **3.**
(72)	**1. OGIHARA, Shuichi** **2. YAMAGUCHI,** **3. ANDO, Masatoshi**
(73)	**1.** **2.**
(30)	**1. (JP) 2010-238199 - 25-10-2010** **2. (PCT/JP2011/074273) - 21-10-2011** **3.**
(74)	**RAGAII EL DEKKI & PARTNERS**
(12)	**Patent**

(54) INJECTION STRETCH BLOW MOLDING DEVICE AND MOLDED PART HEATING DEVICE

Patent Period Started From 21/10/2011 and Will end on 20/10/2031

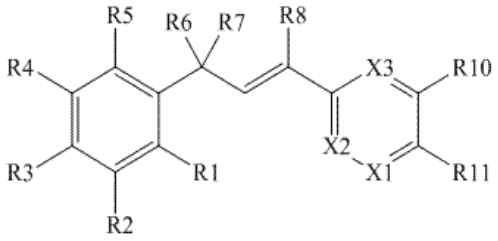
(57) Provided is an injection stretch blow molding device wherein differences among the molding temperatures in (n) number of batches of blow molding operations are reduced when the number (N) simultaneously injection molded is blow molded by (M) ((M) = (N)/(n)) in the (n) number of batches in 1.5 stage process having both advantages of 1 stage process and 2 stage process. There is disclosed an injection stretch blow molding device having: an injection molding unit (10) which injection molds (N) (N is an integer of two or more) number of preforms; a cooling unit (20) which forcibly cools the (N) number of preforms carried out of the injection molding unit; a heating unit (30) which continuously carries and heats the (N) number of cooled preforms; and a blow molding unit (40) which divides the (N) number of heated preforms in (n) (n is an integer of two or more) number of batches to stretch blow mold (M) ((M) = (N)/(n): (M) is a natural number) number of preforms in (M) number of containers at a time.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/12/2013** **1947/2013** **June 2017** **22/11/2017** **28320**

(51)	**Int. Cl. [8] C07D 403/02 & A61K 31/495**	
(71)	**1. DOW AGROSCIENCES LLC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. HUNTER, James E.** **2. LO, William C.** **3. WATSON, Gerald** **4. PATNY, Akshay** **5. GUSTAFSON, Gary D** **6. PERNICH, Dan** **7. BREWSTER, William K.** **9. CAMPER, Debra L.**	**9. LORSBACH, Beth** **10. SPARKS, Thomas C.** **11. JOSHI, Hemant** **12. MANDALESWARAN, Adiraj** **13. SANAM, Ramadevi** **14. GUNDLA, Rambabu** **15. IYER, Pravin** **16. LOSO, Michael R.**
(73)	**1.** **2.**	
(30)	**1. (US) 61/500,685 - 24-06-2011** **2. (US) 61/540,056 - 28-09-2011** **3. (US) 61/601,077 - 21-02-2012** **4. (US) 61/645,267 - 10-05-2012** **5. (PCT/US2012/043418) - 21-06-2012**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54)	**SUBSTITUED BENZAMIDES AND PROCESSWS TO CONTROLLING PESTS**
	Patent Period Started From 21/06/2012 and Will end on 20/06/2032

(57) Substitued benzamides according to formula one are disclosed controlling pests.



Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/02/2014** **0244/2014** **July 2017** **22/11/2017** **28321**

(51)	**Int. Cl. [8] E21B 43/11, 43/24**	
(71)	**1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. LYNDE, Gerald, D** **2. XU, Yang** **3. RICHARD, Bennett, M**	**4. MURRAY, Douglas, J** **5. O'MALLEY, Edward, J**
(73)	**1.** **2.**	
(30)	**1. (US) 13/252.809 - 04-10-2011** **2. (PCT/US2012/058600) - 04-10-2012** **3.**	
(74)	**NAHED WADE REZK**	
(12)	**Patent**	

(54) **APPARATUS AND METHODS UTILIZING NONEXPLOSIVE ENERGETIC MATERIALS FOR DOWNHOLE APPLICATIONS**

Patent Period Started From 04/10/2012 and Will end on /10/2032

(57) In one aspect, a method of method of performing a wellbore operation is disclosed that in one embodiment may include: providing a device that includes a non-explosive energetic material configured to disintegrate when subjected to a selected energy; placing the device at a selected location in the wellbore to perform a selected function; and subjecting the device to the selected energy to disintegrate the device in the wellbore after the device has performed the selected function. In another aspect an apparatus for use in a wellbore is disclosed that in one embodiment may include a device placed in the wellbore at a selected location, wherein the device includes a non-explosive energetic material configured to disintegrate when subjected to a selected energy, and a source of the selected energy configured to subject the device to the selected energy in the wellbore to disintegrate the device.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EGYPT** **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/01/2010** **0090/2010** **June 2017** **22/11/2017** **28322**

(51)	**Int. Cl. [8] F24F 6/04 & A61L 9/01**
(71)	**1. MOHAMAD HOUSAM ELDEIN ZAGHLOUL (EGYPT)** **2. GEORGE ABD EL MESSIH ZAKI** **3. ABD ELGHANEI FAHMEI ABD ELGHANEI MOHAMAD**
(72)	**1. MOHAMAD HOUSAM ELDEIN ZAGHLOUL** **2. GEORGE ABD EL MESSIH ZAKI** **3. ABD ELGHANEI FAHMEI ABD ELGHANEI MOHAMAD**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**GEORGE ABD EL MESSIH ZAKI**
(12)	**Patent**

(54)	**AN INNOVATED METHOD FOR STERILIZING AIR IN AIR CONDITIONERS BY ADDING A SEPARATE UNIT**
	Patent Period Started From 17/01/2010 and Will end on 16/01/2030

(57) This invention is a method for sterilizing air in Air conditioners by adding a separate unit for sterilizing air in the Air conditioners . This unit consists of a blower fan to suck air and to push it downwards where the air passes in front of a cylinder inside which there is an ultraviolet rays lamp for the sterilization of the air . Then the air passes in front of another cylinder in which there is an infrared rays lamp or hallogen lamp for sterilizing air . Thereafter , the air passes away from the second cylinder to the outside of the sterilization unit.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/10/2013** **1567/2013** **June 2017** **26/11/2017** **28323**

(51)	**Int. Cl. [8] B28C 5/38 & C04B 28/14, 38/10**
(71)	**1. SAINT-GOBAIN PLACO SAS (FERNCE)** **2.** **3.**
(72)	**1. JAFFEL, Hamouda** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 11161718.9 - 08-04-2011** **2. (PCT/EP2012/056273) - 05-04-2012** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**A METHOD FOR MANUFACTURING GYPSUM PRODUCTS**
	Patent Period Started From 05/04/2012 and Will end on 04/04/2032

(57) A method of producing a gypsum product wherein calcined gypsum is mixed with water; characterised in that at least two different foam feeds are introduced into the gypsum and water mix simultaneously, the first foam feed comprising a different bubble size distribution when compared to the second foam feed, wherein the first foam feed is generated in a first foam generation process and the second foam feed is generated in a second foam generation process, at least one physical parameter of the first foam generation process being controlled independently of the second foam generation process .

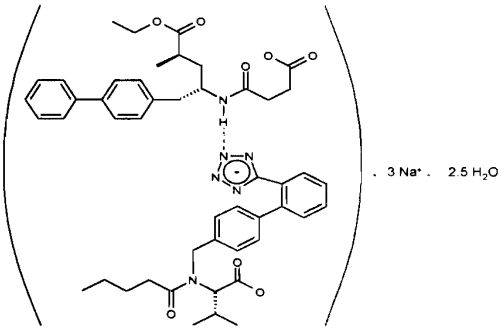
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/06/2017** **PCT/NA2007/000672** **July 2017** **26/11/2017** **28324**

(51)	**Int. Cl. [8] A61K 31/192, 31/216, 31/41 & A61P 3/10, 9/10, 9/12 & C07C 215/10, 233/47**
(71)	**1. NOVARTIS AG((SWITZERLAND)** **2.** **3.**
(72)	**1. FENG, Lil** **2. GODTFREDSEN, Sven, Erik** **3. KARPINSKI, Piotr** **4. SUTTON, Paul, Allen** **5. PRASHAD, Mahavir** **6. GIRGIS, Michael, J.** **7. HU, Bin** **8. LIU, Yugang** **9. BLACKLOCK, Thomas, J.**
(73)	**1.** **2.**
(30)	**1. (US) 60/735093 - 09-11-2005** **2. (US) 60/735541 - 10-11-2005** **3. (US) 60/789332 - 04-04-2006** **4. (US) 60/822086- 11-08-2006** **5. (PCT/US2006/043710) - 08-11-2006**
(74)	**Amr Mofed El Deeb**
(12)	**Patent**

(54) SUPRAMOLECULAR COMPOUNDS COMPRISED OF ANGIOTENSIN RECEPTOR ANTAGONIST AND NEUTRAL ENDOPEPTIDASE INHIBITORS

Patent Period Started From 08/11/2006 and Will end on 07/11/2026

(57) The present invention is directed to dual-acting compound in the form of a supramolecular complex comprising an Angiotensin Receptor Antagonist (valsartan) and a Neutral Endopeptidase Inhibitor ((2R,4S)-5-biphenyl-4-yl-4-(3-carboxy-propionylamino)-2-methyl-pentanoic acid ethyl ester), useful in the treatment of cardiovascular diseases such as heart failure and hypertension. The compound is termed Trisodium [3-((1S,3R)-1-biphenyl-4-ylmethyl-3-ethoxycarbonyl-1-butylcarbamoyl)propionate-(S)-3'-methyl-2'-(pentanoyl{2"-(tetrazol-5-ylate)biphenyl-4'-ylmethyl}amino)butyrate] hemipentahydrate..



Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/03/2014** **0499/2014** **August 2017** **28/11/2017** **28325**

(51)	**Int. Cl. [8] B05D 1/00**
(71)	**1. OLA ALI HASHEM SOLIMAN (EGYPT)** **2.** **3.**
(72)	**1. OLA ALI HASHEM SOLIMAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) THE FORMATION OF STREAMLINED FURNITURE (CURVED FURNITURE) FROM NATURAL WOOD USING AMMONIA HYDROXIDE SOLUTION

Patent Period Started From 31/03/2014 and Will end on 30/03/2034

(57) Natural wood is the best material used in the furniture field due to the realization of the principle of sustainability. From this approach, there needed to be a new method to form natural wood (local ? imported) without any wastage or weakening of the material as in traditional methods. Ammonium Hydroxide was tested on several samples of wood to reach the needed concentration and the interval of time for which the wood should be treated with the solution. A comparison was made between methods of forming furniture made of natural wood (treatment with steam ? use of chunks of wood ? treatment with ammonium hydroxide). That was in order to conclude what makes the use of ammonium hydroxide solution unique. The most important conclusions were: Great flexibility in forming wood ? treatment of natural and factory faults in wood ? improve wood properties like strength ? improve resistance to decomposition and pests ? enabling mass production using typical pistons with the final product having a flexible design ? decrease the wastage of wood during formation and therefore decreasing costs of production. After conducting tests and observing the results, streamlined furniture units for children were designed and produced, characterized by flexible designs, which were used as a repetitive design unit in different sizes depending on the different functions of the units. The sustainability of the proposed design products were tested through its use for 18 years since its production. In spite of the frequent use by children during that time, the products maintained their form, physical strength, cohesion, and durability of its various parts. As a result, the sustainability of the product was ascertained along with the possibility of initiating production lines to form wooden products that help to increase the national income of the country.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/07/2014** **1137/2014** **July 2017** **28/11/2017** **28326**

(51)	**Int. Cl. [8] C07C 273/04**
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(73)	**1.** **2.**
(30)	**1. (IT) MI2012A000013 - 09-01-2012** **2. (PCT/EP2013/050247) - 09-01-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESS FOR THE SYNTHESIS OF UREA COMPRISING A PASSIVATION STREAM AT THE STRIPPER BOTTOM

Patent Period Started From 09/01/2013 and Will end on 08/01/2033

(57) A process for the direct synthesis of urea from ammonia and carbon dioxide with increased corrosion resistance, comprising, in the high-pressure synthesis section, a reaction step in a vertical reactor (R) fed with at least one stream of fresh carbon dioxide containing a passivating agent and a decomposition-stripping step of the non-converted reagents, wherein the gas-liquid mixture collected at the head of the reactor is separated into a gaseous stream and a liquid stream fed to the tail and head of the stripper, respectively.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT  **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/03/2014** **0336/2014** **August 2017** **29/11/2017** **28327**

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(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**MULTI CONTROL SYSTEM OF RAIL TRAFFIC TO AVOID ACCIDENTS**
	Patent Period Started From 04/03/2014 and Will end on 03/03/2034

(57) The present invention relates to new double control system of rail traffic in case of sudden brakes break down or exceeding speed limit through various control units & gates of opening or closing train level crossing by using electromagnetic fields on the rails. These electromagnetic fields replace brakes in emergency cases.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EGYPT **PCT**	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/12/2014** **2015/2014** **September 2017** **29/11/2017** **28328**

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(71)	**1. REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG (AUSTRIA)** **2.** **3.**
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(73)	**1.** **2.**
(30)	**1. (EP) 12172161.7 - 15-06-2012** **2. (PCT/EP2013/059491) - 07-05-2013** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) REFRACTORY CERAMIC BATCH AND BRICK PRODUCED THEREFROM

Patent Period Started From 07/05/2013 and Will end on 06/05/2033

(57) A refractory ceramic batch with the composition 75 to 98 % by wt. Of at least one basic base material from the group: sintered magnesia, fused magnesia, 2 to 25 % by wt. Of a silicon carbide granular aggregate, maximum 5 % by wt. Of other constituents, relative to the total batch in each case, wherein the basic base material is present in a proportion > 10 to < 40 % by wt. In a fine fraction < 125 urn, in relation to the total batch, and the granular aggregate is present in a grain fraction > 125 um and < 2 mm. Further, subject-matter is a refractory ceramic brick produced from such a batch after pressing and firing at temperatures between 1.400 °c and 1.600 °c, in which no more than half of the granular aggregate is sintered with a surrounding basic base material.