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Academy of Scientific Research & Technology

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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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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** **1024/2010** **July 2012** **04/12/2012** **25995**

(51)	**Int. Cl.** [8] **G01V 3/12**
(71)	**1. PGS GEOPHYSICAL AS. (NORWAY)** **2.** **3.**
(72)	**1. ANTONI Marjan Ziolkowski** **2. DAVID Allan Wright** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/459,158 – 26/06/2009** **2.** **3.**
(74)	**MOHAMED KAMEL MOSTAFA**
(12)	**Patent**

(54)	**METHOD FOR ESTIMATING AND REMOVING AIR WAVE RESPONSE IN MARINE ELECTROMAGNETIC SURVEYING**
	Patent Period Started From 16/06/2010 and Will end on 15/06/2030

(57) A method for determining resistivity distribution of formations below a bottom of a body of water from transient electromagnetic signals acquired by imparting a transient electromagnetic field into the water and detecting an electromagnetic response thereto at a plurality of spaced apart positions from a place of the imparting includes simulating an air wave response at each of the plurality of spaced apart positions. The simulated air wave response is subtracted from the detected response to produce a subsurface impulse response at each of the plurality of positions. The subsurface impulse responses are used to determine the resistivity distribution.

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(51)	**Int. Cl. [8] G01V 3/12**
(71)	**1. PGS GEOPHYSICAL AS. (NORWAY)** **2.** **3.**
(72)	**1. BRUCE Alan Hobbs** **2. DIETER Werthmüller** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/460,183 – 15/07/2009** **2.** **3.**
(74)	**MOHAMED KAMEL MOSTAFA**
(12)	**Patent**

(54) METHOD FOR DETERMINING RESISTIVITY ANISOTROPY FROM EARTH ELECTROMAGNETIC TANSIENT STEP RESPONSE AND ELECTROMAGNETIC TRANSIENT PEAK IMPULSE RESPONSE

Patent Period Started From 12/07/2010 and Will end on 11/07/2030

(57) A method for determining receptivity anisotropy of subsurface rock formations includes imparting a transient electromagnetic field into the subsurface rock formations. Electromagnetic response of the formations is measured at a plurality of offsets from a position of the imparting. For each offset, an arrival time from the imparting is determined of a peak of an impulse response such that the response is related to subsurface horizontal and vertical resistivities. For each offset, a step response of the formations is determined at a time from the imparting selected such that the step response is related substantially only to mean receptivity. The arrival time of the peak of the impulse response and the late time value of the step response are used to determine the receptivity anisotropy.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/02/2009** **0191/2009** **August 2012** **04/12/2012** **25997**

(51)	**Int. Cl. [8] G01V 1 /28**
(71)	**1. PGS GEOPHYSICAL AS (NORWAY)** **2.** **3.**
(72)	**1. RUBEND D. Martinexz** **2. JUNRU Jiao** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/070,966 – 22/02/2008** **2.** **3.**
(74)	**MOHAMED KAMEL MOSTAFA**
(12)	**Patent**

(54) METHOD FOR THREE DIMENSIONAL SEISMIC TRAVEL TIME TOMOGRAPHY IN TRANSVERSELY ISOTROPIC MEDIA

Patent Period Started From 10/02/2009 and Will end on 09/02/2029

(57) A method for estimating seismic velocities in vertically transversely isotropic media includes generating an initial estimate of vertical interval velocity and interval normal moveout velocity with respect to depth from seismic data. An initial estimate is generated of a first anisotropy parameter with respect to depth. The first anisotropy parameter is related to the interval normal moveout velocity and the interval vertical velocity. An initial estimate is generated with respect to depth of a second anisotropy parameter. The second anisotropy parameter is related to the first anisotropy parameter and an interval anelliptic parameter. A first tomographic inversion is performed with respect to the interval normal moveout velocity and the second anisotropy parameter at a constant value of the first anisotropy parameter until travel time differentials reach minimum values. Layer depths are adjusted with the initial estimate of vertical interval velocity. Using values of the second anisotropy parameter determined in the first tomographic inversion, a second tomographic inversion is performed of interval normal moveout velocity and the first anisotropy parameter with respect to depth. The adjusted layer depths, interval normal moveout velocities and interval vertical velocities are again adjusted and interval anelliptic parameters are calculated from the second tomographic inversion.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/05/2009** **0801/2009** **September 2012** **05/12/2012** **25998**

(51)	**Int. Cl. [8] C21D 1/78 & C22C 38/18**
(71)	**1. EGYPTIAN PETROLEUM RESEARCH INSTITUTE (EGYPT)** **2.** **3.**
(72)	**1. DR/AHMED MOHAMED AHMED AL-SABAGH** **2. DR/ SALAH EL-DIN AHMED KHALIL** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) PREPARATION OF NEW OLYGEMER SURFACTANTS FROM TRIAZINAN ETHANOL TO SCAVENGE HYDROGEN SULFIDE ACCOMPANIED BY CRUDE OIL AND NATURAL GAS

Patent Period Started From 27/05/2009 and Will end on 26/05/2029

(57) This invention is to prepare new olygemer surfactants by reaction of 1mol paraformaldhyde with 3 mol of monoethanol amine at 50-80oC to form 2-[3,5 – bis (2-hydroxy-ethyl)- [1,3,5 triazinan – 1 – yl] – ethanol Which is named (SM). This product (SM) was heated in presence of NaOH (10-20v/v) at 50% concentration and 90-130oC for 1 to 2 hrs to get tetramer of product (SM). Its molecular weight is about 820, containing 12 tertiary nitrogen atom and named as product (I). After that, the temperature was raised up to 150-160oC in presence of 70% NaOH (20 - 30v/v) to obtain olygemer tetradecane of (SM), which has M.Wt about 2076 . This product contains 42 tertiary nitrogen atom and is named as product (II). Products (I) and (II) were mixed at a ratio of 1:3, respectively to achieve the maximum efficiency of H2S scavenging reaching 98.7%. The surface tension of product (I) was 38mNm-1 and for product (II) was 31mNm-1. The corrosion inhibition efficiency of the mixture (I +II) for carbon steel of pipelines in formation water at 300ppm and 600C exhibited 85%. These properties of the invention products put them in the front compared with similar materials used in scavenging H2S.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/12/2009** **1903/2009** **July 2012** **05/12/2012** **25999**

(51)	**Int. Cl. [8] A61F 13/15, 13/472**
(71)	**1. UNI-CHARM CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. NOMOTO, Takashi** **2. UDA, Masashi** **3. MORITA, Hideaki**
(73)	**1.** **2.**
(30)	**1. (JP) 2007-172429- 29/06/2007** **2. (PCT/JP2008/061403) – 23/06/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) ABSORBENT ARTICLEWITH IMPROVER CHARACTERISTICS

Patent Period Started From 23/06/2008 and Will end on 22/06/2028

(57) An absorbent article that is favorable in the erection stability of gathers and excels in transversal leakage preventing effects. There is disclosed a vertically long absorbent article comprising a surface layer, a backside layer, an absorbent layer with vertically long absorbent body interposed therebetween, a pair of gathers formed of a sheetlike member so as to have a hollow and disposed with a space therebetween on both the side areas of the surface layer in the longitudinal direction thereof, and a pair of wings formed by extension of the surface layer and/or backside layer outward in the width direction of the absorbent layer. Each of the pair of gathers has a three-dimensional configuration part wherein the sheetlike member makes a convex on the surface side brought into contact with the skin. The three-dimensional configuration part is joined to the surface layer and/or backside layer by a junction portion provided so as to extend in the longitudinal direction of the absorbent article and is formed so as to construct a hollow. The junction portion includes a first junction edge portion
defining the edge portion of the three-dimensional configuration part on the inward side in the width direction thereof and a second junction edge portion defining the edge portion of the three-dimensional configuration part on the outward side in the width direction thereof. The first junction edge portion is located on the area of the surface layer on which the absorbent body is disposed. The second junction edge portion, in at least the area where the pair of wings are disposed, is located on the area of the surface layer and/or backside layer more outward in the width direction than the periphery of the absorbent body.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/12/2010** **2186/2010** **September 2012** **05/12/2012** **26000**

(51)	**Int. Cl. [8] D06F 33/02**	
(71)	**1. KABUSHIKI KAISHA TOSHIBA (JAPAN)** **2. TOSHIBA CONSUMER ELECTRONICS HOLDINGS CORPORATION (JAPAN)** **3. TOSHIBA HOME APPLIANCES CORPORATION (JAPAN)**	
(72)	**1. AKITA, Shingo** **2. SOTTA, Daisuke** **3. IKEDA, Hiroshi** **4. MAKINO, Yoshiyuki**	**5. KOJIMA, Takao** **6. OGURA, Norifumi** **7. MASUDA, Miho**
(73)	**1.** **2.**	
(30)	**1. (JP) 2008-165788 – 25/06/2008** **2. (JP) 2008-245769 – 25/09/2008** **3. (PCT/JP2009/002640) – 11/06/2009**	
(74)	**NADIA HAROUN , MAGDA HAROUN**	
(12)	**Patent**	

(54)	**WASHING MACHINE**
	Patent Period Started From 11/06/2009 and Will end on 10/06/2029

(57) Disclosed is a washing machine including a control device to which power is supplied from a power supply, a non-volatile memory, and a power supply cut-off switch for interrupting the supply of power to the control device. The control device has: a function for, when the machine is operating, storing the setting content and state of progress of this operation in the non-volatile memory ; a function for, when the operation is normally completed or when the power supply cut-off switch is actuated during this operation to interrupt the supply of power to the control device, clearing the stored content of the non-volatile memory; a function for, when power is supplied to the control device, judging whether or not the stored content of the non-volatile memory has been cleared; and a function for, if the stored content in the non-volatile memory is judged not to have been cleared, restarting the operation from a progress stage which is based on stored content stored in the non-volatile memory using content that is based on this stored content.

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** **1960/2010** **September 2012** **05/12/2012** **26001**

(51)	**Int. Cl.** [8] **B65D 43/02**
(71)	**1. CLIQLOC GMBH (GERMANY)** **2.** **3.**
(72)	**1. ENDERT, Guido** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102008025430,4 – 27/05/2008** **2. (DE) 102008025429,0 – 27/05/2008** **3. (PCT/EP2009/056489) – 27/05/2009**
(74)	**NADIA HAROUN , MAGDA HAROUN**
(12)	**Patent**

(54)	**CLOSURE DEVICE FOR A CONTAINER**
	Patent Period Started From 27/05/2009 and Will end on 26/05/2029

(57) The invention relates to a closure device for sealing an opening of a container, wherein the opening of the container has an opening edge which comprises an inner wall and outer wall, and wherein the closure device has a sealing element so that the opening of the container can be tightly sealed. A closure device of this kind is characterized in that a sealing of the container by the closure device is independent of a contact pressure (Pk) which is applied from the closure device onto the container, in particular onto the opening edge.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/11/2008** **1862/2008** **September 2012** **06/12/2012** **26002**

(51)	**Int. Cl.** [8] **B01D 53/14, 53/62**
(71)	**1. BASF SE (GERMANY)** **2.** **3.**
(72)	**1. ASPIRON, Norbert** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 06114244,4 – 19/05/2006** **2. (PCT/EP2007/054836) – 18/05/2007** **3.**
(74)	**TAHA HANAFI MAHMOUD**
(12)	**Patent**

(54) PREMIXTURE FOR PREPARING AN ABSORBENT FOR REMOVING ACIDIC GASES FROM FLUID STREAMS

Patent Period Started From 18/05/2007 and Will end on 17/05/2027

(57) A premixture for preparing an absorbent for removing acidic gases from fluid streams is described. The premixture comprises at least one alkanolamine, piperazine and water, the premixture having a total amine content of more than 65% by weight and the molar ratio of water to piperazine in the premixture being from 1.6 to 4.8. The premixture is characterized by a low solidification point. It is diluted with water and/or alkanolamine to give the ready-to-use absorbent.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/01/2010** **0158/2010** **September 2012** **06/12/2012** **26003**

(51)	**Int. Cl. [8] C08F 220/06, 220/10, 220/18 & C09D 7/00**
(71)	**1. BASF SE (GERMANY)** **2.** **3.**
(72)	**1. LEYRER, Reinhold** **2. SCHMIDT, Kati** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 07113807.7 – 03/08/2007** **2. (EP) 08150202.3 – 11/01/2008** **3. (EP) 08159645.4 – 03/07/2008** **4. (PCT/EP2008/060167) – 01/08/2008**
(74)	**TAHA HANAFI MAHMOUD**
(12)	**Patent**

(54)	**ASSOCIATIVE THICKENER DISPERSION**
	Patent Period Started From 01/08/2008 and Will end on 31/07/2028

(57) The invention relates to an aqueous dispersion of a copolymer incorporating by polymerization units of

a) at least one ethylene unsaturated carbonic acid,

b) at least one non-ionic ethylene unsaturated tenside monomer,

c) at least one C1-C2-alkylmethacrylate,

d) at least one C2-C4-alkylacrylate, the alkyl chain length averaged over the number of alkyl groups of the alkylacrylate being 2.1 to 4.0.

After neutralization using alkali, the dispersion serves as an associative thickener, particularly for liquid washing and cleaning agent formulations. The thickeners are characterized by high transparency and high thickening effectiveness at simultaneously high shear dilution.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/08/2006** **0398/2006** **May 2012** **06/12/2012** **26004**

(51)	**Int. Cl. [8] C12N 15/11 & C12Q 1/68**
(71)	**1. DR. ALY ZAIN ELABIDIN ABDEL SALAM (EGYPT)** **2. DR. MOHAMED MUSTAFA MOHAMED** **3.**
(72)	**1. DR. ALY ZAIN ELABIDIN ABDEL SALAM** **2. DR. MOHAMED MUSTAFA MOHAMED** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) SYNTHETIC OLIGONUCLEOTIDE PRIMERS CAPABLE OF THE HAEMAGLUTININE(H5) GENE AND THE NURAMINIDASE (N1) GENE BY THE REVERSE TRANSCRIPTASE POLYMERASE CHAIN REACTION TECHNIQUE

Patent Period Started From 03/08/2006 and Will end on 02/08/2026

(57) Oligonucleotide primers capable of the detection of avian flu viruses a h5n1 by multiplex reverse transcriptase polymerase chain reaction (rt-pcr) technique first gene (h5) produce a pcr fragment of 190 bp while second gene (n1) produce a 130 bp when separated on the 2% agarose gel electrophoresis.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/11/2010** **1942/2010** **September 2012** **09/12/2012** **26005**

(51)	**Int. Cl.** [8] **G01V 1/133 , 1/137**
(71)	**1. BP EXPLORATION OPERATING COMPANY LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. THOMPSON, Martin** **2. HARPER, Mark Francis Lucien** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 0809094,6 – 20/05/2008** **2. (GB) 0823296,9 – 22/12/2008** **3. (PCT/GB2009/050548) – 20/05/2009**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**MARINE SIREN SEISMIC SOURCE**
	Patent Period Started From 20/05/2009 and Will end on 19/05/2029

(57) A very low frequency marine seismic source has a reservoir of water feeding water to an aperture communicating with the surrounding water. The rate of water flow through the aperture is controlled by a rotor disc and stator disc having holes which overlap to a greater or lesser extent as the rotor rotates. The modulation of the flow of water produces a modulated pressure signal which is radiated into the surrounding water. The device is intended to produce acoustic signals over a band extending down to 0.5Hz or lower.

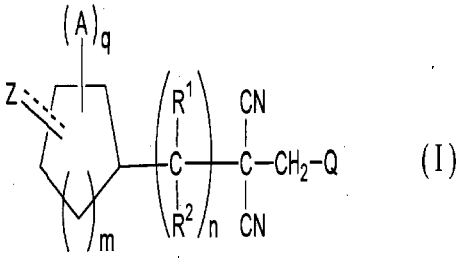
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/09/2010** **1574/2010** **September 2012** **09/12/2012** **26006**

(51)	**Int. Cl.** [8] **C07C 255/31 & C07D 303/38 & A01N 37/34, 43/04 & A01P 7/00**
(71)	**1. SUMITOMO CHEMICAL COMPANY, LIMITED (JAPAN)** **2.** **3.**
(72)	**1. MITSUDERA, Hiromasa** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2008/071101 – 19/03/2008** **2. (JP) 2009/015105 – 27/01/2009** **3. (PCT/JP2009/056028) – 18/03/2009**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) NITRILE COMPOUND AND ITS USE FOR CONTROL OF ARTHROPOD PEST

Patent Period Started From 18/03/2009 and Will end on 17/03/2029

(57) There is provided a nitrile compound having an excellent controlling effect on arthropod pests represented by the formula (I): wherein m represents in integer of 0 to 4; n represents an integer of 1 to 4; q represents an integer of 0 to 4; Q represents a C1-C4 fluoroalkyl group; Z represents an optionally substituted C2-C6 alkynyl group or a =N-OR3 group; R1 and R2 independently represent a monovalent C1-C4 chain hydrocarbon group optionally substituted with a halogen atom, etc.; and A represents an optionally substituted monovalent C1-C6 chain hydrocarbon group, etc.



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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)**	**18/11/2009** **1695/2009** **September 2012** **09/12/2012** **26007**

(51)	**Int. Cl. [8] C07C 317/44, 317/46 & A01N 41/10**
(71)	**1. SUMITOMO CHEMICAL COMPANY, LIMITED (JAPAN)** **2.** **3.**
(72)	**1. MIYAZAKI, Hiroyuki** **2. TANAKA, Mitsuo** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2007/132613 – 18/05/2007** **2. (PCT/JP2008/059498) – 16/05/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) ORGANIC SULFUR COMPOUND AND ITS USE FOR CONTROLLING HARMFUL ARTHROPOD

Patent Period Started From 16/05/2008 and Will end on 15/05/2028

(57) There is provided an organic sulfur compound having an excellent controlling effect on harmful arthropods represented by the formula (I): wherein, R1 represents a C3-C10 alkenyl group optionally substituted with at least one halogen atom, a C3-C10 alkynyl group optionally substituted with at least one halogen atom, or the like, R2 represents a cyano group or the like, R3 represents a hydrogen atom, a halogen atom or a C1-C4 alkyl group, R4 represents a C1-C5 fluoroalkyl group, and n represents 0, 1 or 2.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/12/2010** **2104/2010** **September 2012** **09/12/2012** **26008**

(51)	**Int. Cl. [8] H02K 11/00 , 3/28 , 5/22**
(71)	**1. BP EXPLORATION OPERATING COMPANY LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. DENNY, Mark, Joseph** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 08252037,0 – 13/06/2008** **2. (PCT/GB2009/001430) – 09/06/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) MOTOR ASSEMBLY

Patent Period Started From 09/06/2009 and Will end on 08/06/2029

(57) A motor assembly comprising a motor unit having a first end and a second end and being couplable adjacent the first end of the motor unit to an external electrical device, the motor unit comprising at least one motor winding extending between the first and second ends and an electrical return path extending from the second end to the first end, the electrical return path being in electrical contact at the first end with an electrical connector for supplying impressed secondary power to the external electrical device, wherein the first end of the motor unit is provided with means for coupling a power source to the motor winding and the second end of the motor unit is provided with means to electrically couple the motor winding to the electrical return path/ Also provided is a motor comprising a motor winding having a first end and a second end and an incomplete number of winding turns between the first and second ends, and an electrical return path for passing a current through the motor, the motor winding and the electrical return path being discontinuous.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/06/2009** **0885/2009** **September 2012** **09/12/2012** **26009**

(51)	**Int. Cl. [8] B21B 37/44**
(71)	**1. SMS SIEMAG AG (GERMANY)** **2.** **3.**
(72)	**1. RICHTER, Hans-Peter** **2. PAWELSKI, Hartmut** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102006059246,8 – 15/12/2006** **2. (DE) 102007032485,7 – 12/07/2007** **3. (PCT/EP2007/009755) – 12/11/2007**
(74)	**WAGDY N. AZIZ**
(12)	**Patent**

(54) METHOD AND LUBRICANT APPLICATION DEVICE FOR REGULATING THE PLANARITY AND/OR ROUGHNESS OF A METAL STRIP

Patent Period Started From 12/11/2007 and Will end on 11/11/2027

(57) The invention relates to a method and a lubricant application device for regulating the planarity and/or roughness of a metal strip in the run-out of a cold rolling stand by suitable metering of the amount of at least one lubricant per unit of time applied to the metal strip in the run-in of the cold rolling stand. To further improve the quality of cold-rolled metal strip with regard to its planarity and/or roughness, it is proposed according to the invention that the applied amount of lubricant is metered in the form of a distribution of the quantity over the width of the metal strip per unit of time in accordance with an established deviation between an actual planarity distribution and a set planarity distribution over the width of the metal strip in the run-out of the cold rolling stand or a deviation between an actual roughness distribution and a set roughness distribution over the width of the metal strip in the run-out of the cold rolling stand or a combination of the two deviations.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/07/2008** **1211/2008** **August 2012** **09/12/2012** **26010**

(51)	**Int. Cl. [8] H05B 33/08**
(71)	**1. TAGE DUNGSKOG (SWEDEN)** **2.** **3.**
(72)	**1. TAGE Dungskog** **2.** **3.**
(73)	**1. TD LIGHT SWEDEN AB (SWEDEN)** **2.**
(30)	**1. (SE) 0600288-5 – 09/02/2006** **2. (PCT/SE2007/050079) – 08/02/2007** **3.**
(74)	**SMAS FOR INTELLECTUAL PROPERTY**
(12)	**Patent**

(54) DEVICE FOR FLUORESCENT TUBE ARMATURES

Patent Period Started From 08/02/2007 and Will end on 07/02/2027

(57) The present invention relates to a device for fluorescent tube armatures , the device being intended to replace a previously accurring fluorescent tube . The device has a light-emitting diode unit comprising at least one electrical drive unit , which is connected to at least one phase wire , as well as is connected to at least one neutral wire via at least one wire comprising at least one light-emitting diode.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/11/2006** **PCT/NA2006/1065** **September 2012** **10/12/2012** **26011**

(51)	**Int. Cl. [8] C08F 4/24, 10/00 & B01J 38/02, 38/04, 23/26**
(71)	**1. CHEVRON PHILLIPS CHEMICAL COMPANY LP (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MCDANIEL, Max, P.** **2. BENHAM, Elizabeth, A.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/570,521- 12/05/2004** **2. (PCT/US2005/016108) – 06/05/2005** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHODS OF ACTIVATING CHROMIUM CATALYSTS

Patent Period Started From 06/05/2005 and Will end on 05/05/2025

(57) New methods for activating chromium catalysts for polymerization processes decrease the amount of time required for activation and increase catalyst activity. Rapid heating to a first temperature is followed by a first hold period before heating to a higher second temperature and maintaining the second temperature for a second hold period. In one aspect, the overall activation process takes less than 10 hours.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/06/2010** **1000/2010** **September 2012** **10/12/2012** **26012**

(51)	**Int. Cl. [8] C12 N1/12**	
(71)	**1. ENI S.P.A. (ITALY)** **2.** **3.**	
(72)	**1. RISPOLL GiacoMo** **2. FIORAVANTI, Emiliano** **3. BIGNAZZI, Renzo**	**4. D'ADDARIO, Ezio, Nicola** **5. DE FERRA, Francesca** **6. CAPUANO, Federico**
(73)	**1.** **2.**	
(30)	**1. (IT) (MI2007 A002343) – 14/12/2007** **2. (PCT/EP2008/010291) – 03/12/2008** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) PROCESS FOR THE PRODUCTION OF ALGAL BIOMASS WITH A HIGH LIPID CONTENT

Patent Period Started From 03/12/2008 and Will end on 02/12/2028

(57) The invention relates to a process for the production of algal biomass with a high lipid content, comprising: (a) the production of inocula in order to effect phase (b), in photoreactors; (b) the massive cultivation of the algal biomass in open ponds, inoculated with phase (a (c) a thickening phase of the algal biomass, effected blandlyd) an induction phase of the lipid production, wherein modules are used consisting of photoreactors or open ponds (e) a separation phase of the biomass with a high lipid content.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/06/2008** **1071/2008** **September 2012** **10/12/2012** **26013**

(51)	**Int. Cl. [8] B01J 8/02**	
(71)	**1. METHANOL CASALE S.A. (SWITZERLND)** **2.** **3.**	
(72)	**1. FILIPPI, Ermanno** **2. RIZZI, Enrico** **3. TAROZZO, Mirco**	**4. BADANO, Marco**
(73)	**1.** **2.**	
(30)	**1. (EP) 05028314,2 – 23/12/2005** **2. (PCT/EP2006/011761) – 07/12/2006** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) METHOD FOR CONTROLLING THE TEMPERATURE OF EXOTHERMIC CHEMICAL REACTIONS

Patent Period Started From 07/12/2006 and Will end on 06/12/2026

(57) A method for controlling the temperature of an exothermic reaction with simultaneous production of steam is based on the use of heat exchangers crossed by a recirculation liquid along an inner path extended between the inlet opening for the recirculation liquid and an outlet opening, the recirculation liquid coming from a steam drum for the separation of the produced steam and being fed to said inlet opening along a path external to the heat exchangers, the produced steam being integrated in the form of an additional liquid flow which is mixed at least in part with the recirculation liquid flowing along the external path.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/03/2008** **0539/2008** **September 2012** **10/12/2012** **26014**

(51)	**Int. Cl. [8] C07C 273/04 &B01J 19/00**
(71)	**1. UREA CASALE S.A (Switzerland)** **2.** **3.**
(72)	**1. ZARDI, Federico** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 07006566,9 – 29/03/2007** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD FOR MODERNIZING AUREA PRODUCTION PLANT

Patent Period Started From 30/03/2008 and Will end on 29/03/2028

(57) A method for the modernisation of a plant for urea production of the type comprising a reactor for urea synthesis, a stripping unit with carbon dioxide and at least one vertical condensation unit of the film type type, includes the step of providing in said at least one condensation unit means for subjecting to substantially total condensation at least a portion of a flow comprising ammonia and carbon dioxide in vapour phase leaving said stripping unit, and is characterized in that it further comprises the steps of providing a second stripping unit, means for feeding a first portion of the flow of reaction mixture comprising urea, carbamate and free ammonia in aqueous solution leaving the reactor to said stripping unit , means for feeding a second portion of the flow of reaction mixture comprising urea, carbamate and free ammonia in aqueous solution leaving the reactor to said second stripping unit and means for feeding at least a portion of a flow comprising ammonia and carbon dioxide in vapour phase leaving said second stripping unit directly to the reactor synthesis. Thanks to the present method of modernisation, a substantial de - bottlenecking of the equipment of the high-pressure section downstream the synthesis reactor may be achieved, especially for large installation, to the full advantage of the overall production capacity, which may be therefore increased in a optimal way.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/08/2010** **1441/2010** **July 2012** **10/12/2012** **26015**

(51)	**Int. Cl.** [8] **B65 D 5/30**	
(71)	**1. UNILEVER PLC (UNITED KINGDOM)** **2.** **3.**	
(72)	**1. SANTANA CHCERES, Patrice** **2. NENEVE, Alessandra, Erean, Carvalho** **3. SILVA, Joao, Carlos da**	**4. TESSER, Jociaue** **5. UTEMBERGUE, Anderson**
(73)	**1.** **2.**	
(30)	**1. (GB) 0803665.9 – 28/02/2008** **2. (PCT/EP2009/052206) – 25/02/2009** **3.**	
(74)	**HODA AHMED ABD EL HADI**	
(12)	**Patent**	

(54) RECLOSABLE CARTON

Patent Period Started From 25/02/2009 and Will end on 24/02/2029

(57) A reclosable carton is provided which may contain objects nearly the size of the carton that can be readily dispensed and where the carton can be conveniently re- closed by a user. A specific pattern of tear lines on the top and front panels allows easy opening and re-closing and allows for a reduction in packaging material usage to save production costs. The reclosable carton design reduces the risk of tearing other areas of the carton and maintains its integrity when it is opened by a user.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/08/2010** **1423/2010** **July 2012** **10/12/2012** **26016**

(51)	**Int. Cl. [8] A23C 19/02, 19/076, 19/082, 19/097**
(71)	**1. FROMAGERIES BEL (FRANCE)** **2.** **3.**
(72)	**1. FURLING, Olivier** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) – 0851283 – 28/02/2008** **2. (PCT/FR2009/050292) – 24/02/2009** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54) METHOD OF PRODUCING A THERMIZED UNRIPENED CHEESE AND CHEESE OBTAINED

Patent Period Started From 24/02/2009 and Will end on 23/02/2029

(57) Method of producing a cheese according to which: - a cheese curd is prepared; - from the cheese curd, an intermediate cheese paste is prepared; - a first treatment is carried out on the cheese paste at a temperature between 40°C and 90°C; - a texturizing treatment is carried out at the temperature of the first treatment in order to obtain a textured paste; - the textured paste is subjected to a second heat treatment via ohmic heating at a temperature between 80°C and 140°C for 10 s to 5 min; - the paste obtained is cooled to a temperature below 100°C in order to obtain a cheese, and – the cheese is conditioned.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/08/2010** **1380/2010** **August 2012** **09/12/2012** **26017**

(51)	**Int. Cl.** [8] **B41M 3/16**
(71)	**1. DE LA RUE INTERNATIONAL LIMITED (GREAT BRITAIN)** **2.** **3.**
(72)	**1. BRAY, David** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 0803866.3– 29/02/2008** **2. (PCT/GB2009/000491) – 20/02/2009** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54)	**SECURITY DOCUMENT COMPRISING A SECURITY FEATURE HAVING A LAYER WITH PARTICLES**
	Patent Period Started From 20/02/2009 and Will end on 19/02/2029

(57) A security document comprising a printed security feature having a tactile feel, said security feature comprising a printed layer with particles protruding at least 10 μm there from in an amount of at least 3 particles per mm^2 of said 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)**	**24/01/2010** **0120/2010** **August 2012** **09/12/2012** **26018**

(51)	**Int. Cl. [8] B65D 1/16**
(71)	**1. CROWN PACKAGING TECHNOLOGY, INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. YUAN, Sheery** **2. GRABOWSKI, Marion** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 11/782,749 – 25/07/2007** **2. (PCT/US2008/070735) – 22/07/2008** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54) BASE FOR METALLIC CONTAINER

Patent Period Started From 22/07/2008 and Will end on 21/07/2028

(57) An improved metallic can has an integral base that defines a standing ring that is more resistant to buckling than conventional designs. It includes a vertically oriented cylindrical sidewall and a unitary end wall having a recessed central portion and a downwardly flanged rim portion. that defines the standing ring. The downwardly flanged rim portion preferably includes a first outer convexly curved annular surface that " when viewed in vertical cross-section has a first radius of curvature R1, a second, lower convexly curved annular surface that when viewed in vertical cross-section has a second radius of curvature R2, and a third, inner convexly curved annular surface that when viewed in vertical cross-section has a third radius of curvature R3. Advantageously, the first, second and third radii of curvature R1, R2 and R3 are each different from each other.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/06/2009** **1010/2009** **July 2012** **10/12/2012** **26019**

(51)	**Int. Cl.[8] D05B 55/14**
(71)	**1. VI. BE.MAC. S.P.A (ITALY)** **2.** **3.**
(72)	**1. GUERRESCHI Carlo** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. VR2008A000078 – 04/07/2008** **2.** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54)	**SEWING MACHINE**
	Patent Period Started From 29/06/2009 and Will end on 28/06/2029

(57) Sewing machine comprising a base with a crochet and a head that comprises a needle support, a fabric pressure foot and its adjusting means, motor means to make a needle sew together with the crochet, and lever means to turn the rotary motion of the driving means into a vertical reciprocating motion.

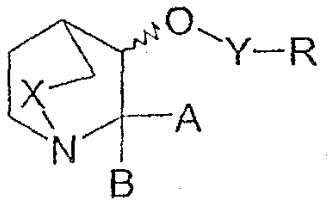
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EG**	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/01/2007** **PCT/NA2007/000026** **June 2012** **10/11/2012** **26020**

(51)	**Int. Cl.** [8] **C07D 453/02**
(71)	**1. NOVARTIS AG (SWITZERLAND)** **2.** **3.**
(72)	**1. FEUERBACH, Dominik** **2. ROY, Bernard, Lucien** **3. TROXLER, Thomas, J** **4. HURTH, Konstanze**
(73)	**1.** **2.**
(30)	**1. (DE) 0415746/7 – 14/07/2004** **2. (PCT/EP2005/007630) – 13/07/2005** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54) 3-(HETEROARYL-OXY)-2-ALKYL-l-AZA-BICYCLOALKYL DERIVATIVES AS ALPHA.7-NACHR LIGANDS FOR THE TREATMENT OF CNS DISEASES

Patent Period Started From 13/07/2005 and Will end on 12/07/2025

(57) The present invention relates to 1-aza-bicycloalkyl derivatives of formula (I) wherein the substituents are as defined in the specification, to processes for their production, their use as pharmaceuticals in the prevention and treatment of psychotic and neurodegenerative disorders. The claimed compounds act as nicotinic acclylcholine receptors (NACHR) ligands.



(I)

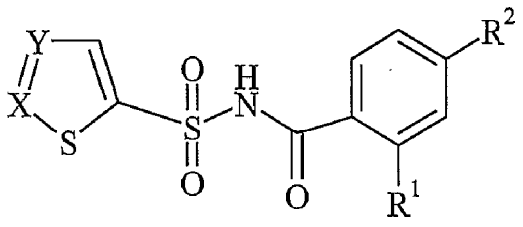
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/10/2002** **1152/2002** **July 2012** **10/12/2012** **26021**

(51)	**Int. Cl.** [8] **C07D 209/16, 209/52, 209/04**	
(71)	**1. ELI LILLY AND COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. DE DIOS, Alfonso** **2. GROSSMAN, Cora, Sue** **3. HIPSKIND, Philip, Arthur** **4. LIN, Ho-Shen** **5. LOBB, Karen, Lynn**	**6. LOPEZ DE URALDE GARMENDIA, Beatriz** **7. LOPEZ, Jose, Eduardo** **8. MADER, Mary, Margaret** **9. RICHETT, Michael, Enrico** **10. SHIH, Chaun**
(73)	**1.** **2.**	
(30)	**1. (US) 60/352,012 – 25/10/2001** **2.** **3.**	
(74)	**HODA AHMED ABD EL HADI**	
(12)	**Patent**	

(54) BENZOYL SULFONAMIDE DERIVATIVES AS ANTITUMOR AGENTS

Patent Period Started From granting date and Will end on 20/10/2022

(57) The present invention provides antineopasitic compounds of te formula and antineopasitc methods.



Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/11/2010** **1889/2010** **September 2012** **10/12/2012** **26022**

(51)	**Int. Cl.** [8] **E02B 11/02**
(71)	**1. HATEM MOHAMED ABDELRADI ABDEL-MONEIM (EGYPT)** **2.** **3.**
(72)	**1. HATEM MOHAMED ABDELRADI ABDEL-MONEIM** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) COMPRESSING COOLER FOR 2-DOOR REFRIGERATOR

Patent Period Started From 08/11/2010 and Will end on 07/11/2030

(57) This invention relates to This invention relates to an AC engine of high momentum and speed small size and tightly sealed against water leakage by rubber gaskets moving forwardly via wheels acquiring its motion from the rear shift of the engine through tiny gears. It is supported by a cleaning weapon working on disintegrating the blockage by the force of centrifuge and driving the water backwards and water sliding water system applied in the installation of pipes. The cleaning weapon is a steel blade provided with sharp edge to penetrate the blockage. The cleaning weapon is electrically powered by flexible cable connected to the lever electrically lifting the device.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ج.م.ع	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/07/2010** **1240/2010** **July 2012** **10/12/2012** **26023**

(51)	**Int. Cl.[8] F24J 2/02**
(71)	**1. NABIL MAHMOUD TALAT WAHBA SAMAK (EGYPT)** **2.** **3.**
(72)	**1. NABIL MAHMOUD TALAT WAHBA SAMAK** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**SOLAR HEAT COLLECTOR WITH TWO FOCUSES TO MELT SAND/SALT/TO PRODUCE METHANOL AND/OR TO GENERATE ELECTRICITY EVEN AT NIGHT BY THE DIFFERENT CIRCUITS OF THE COOLING METHOD FROM NOT EXCEEDING 99^{O}C HEAT ABSORBED AND STORED IN WATER**
	Patent Period Started From 21/07/2010 and Will end on 20/07/2030

(57) Solar mirror, or two connected mirrors adding up to a parabolic curve, to receive a round or rectangle focus on top, which will be reflected downwards by a smaller mirror with the same but a bit straitened parabolic curve, to develop below or behind the mirrors in the second focus high temperatures between 270^{O}C and 1600^{O}C, to melt metals -in factories- or to melt sand -producing desert roads- or salt -to produce walls and building stones- and/or to receive Hydrogen -from water- and Carbon Monoxide -from Carbon Dioxide- to produce renewable Solar Methanol as a substitute for Fuel, which produces heat Energy inclusively from the mirror surface through water pipes - or rubber tubes– integrated in the mirrors or behind them to strengthen them - and inclusively from cooling the smaller mirror by being welded to a water pipe behind it –which is thermally isolated from the air by a vacuumed glass tube and pressure sealed with rubber rings-, which absorbs its heat not allowing the heat to exceed 99^{O}C to be able to transport the water by rubber pipes to store the heat it in water tank or lakes as an heat source for the night, to be able to produce additionally electricity with different circuits of the cooling method throughout the day and year.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/10/2010** **1820/2010** **September 2012** **11/12/2012** **26024**

(51)	**Int. Cl.** [8] **B65D 39/00**
(71)	**1. CLOSURE SYSTEMS INTERNATIONAL, INC(UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MEBRIDE, Steve** **2. ERSPAMER, John** **3. GEVERS, Dave** **4. SMEYAK, Larry**
(73)	**1.** **2.**
(30)	**1. (US) 61/125,981- 30/04/2008** **2. (PCT/US2009/002632) – 30/04/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) TAMPER-EVIDENT PACKAGE WITH IMPROVED OPENING PERFORMANCE

Patent Period Started From 30/04/2009 and Will end on 29/04/2029

(57) A tamper-evident package having pressurized contents includes a closure and associated container which cooperate to provide desired tamper-evidence upon initial removal of the closure from the container, while promoting convenient and comfortable removal and use by consumers. In particular, the package is configured such that from a fully applied position of the closure on the container, the closure is movable through a predetermined angle prior to actuation of the tamper-evident feature on the package. In this fashion, the torque which must be applied to the closure for overcoming the static friction at the sealing interface between the closure and the container can be overcome prior to the application of torque required for operating the tamper-evident feature of the package. The present invention contemplates enhancing the opening performance of the package by configuring the package to include certain structure features to facilitate convenient, consistent, and comfortable use by consumers.

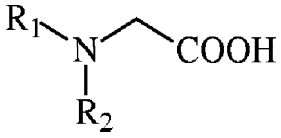
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EG**	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/09/2008** **1541/2008** **September 2012** **11/12/2012** **26025**

(51)	**Int. Cl.** [8] **A23K 1/16, 1/18 & A61K 31/197 & A61P 43/00**	
(71)	**1. TAMINCO (BELGIUM)** **2.** **3.**	
(72)	**1. JANSSENS, Geert** **2. KALMAR, Isabelle** **3. ROOSE, Peter**	**4. SEGERS, Steven** **5. VANNESTE, Piet**
(73)	**1.** **2.**	
(30)	**1. (PCT/EP2006/060926) – 21/03/2006** **2.** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) TREATMENT OF POULTRY FOR REDUCING THE FEED CONVERSION RATE OR FOR REDUCING THE INCIDENCE OF ASITES

Patent Period Started From 21/03/2006 and Will end on 20/03/2026

(57) The invention relates to a method for the non-theraoeutic for the treatment of the purpose of reducing the conversion rate of the feed used to raise the poultry . The treatment comprises orally administering at least one glycine compound to poultry , which glycine compound corresponds to the follwing formula (I) or to a salt thereof : wherein R1 and R2 are indepenpently an alkeny1 , an alkeny 1 or a hydroxyalky1 radical containing 1 to 18 , preferably 1 to 6 carbon atoms or wherein R1 and R2 form jointly together with the N atom a heterocyclic 5- or 6- membered ring . The glycin compound is preferably N , N- dimethlyglycine (DMG) . The invention also relstes to the therapeutic and second medical use of that glycine compound to reduce the incidence of ascites , and to a feed for poultry containing an amount of that glycine compound .



I

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/09/2010** **1648/2010** **September 2012** **10/12/2012** **26026**

(51)	**Int. Cl. [8] G06F 15/16, 15/173**	
(71)	**1. 3RD BRAND PTE. LTD (SINGAPORE)** **2.** **3.**	
(72)	**1. UNDERWOOD, John Anthony** **2. KETS, Christopher Erward** **3. KERO, Markku**	**4. LEINONEN, Rainer**
(73)	**1.** **2.**	
(30)	**1. (SG) 200805072 -6 – 04/07/2008** **2. (PCT/SG2009/000238) – 30/06/2009** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54)	**EXTENDED MESSAGING PLATFORM**
	Patent Period Started From 30/06/2009 and Will end on 29/06/2029

(57) A message system, including at least one server configured to receive a message from a originating device for delivery to at least one recipient device via a first delivery channel; and wherein the at least one server is further configured to select an alternate delivery channel in the event that delivery of the message via the first delivery channel cannot be effected, is disclosed. The invention further discloses a method for routing messages including the steps of receiving at a server a message from an originating device for delivery to a to at least one recipient; forwarding the message to the at least one recipient device via a first delivery channel; awaiting receipt of acknowledgement message from said least one recipient device, and in the event that no acknowledgment message is received, the at least one server resends the message to said at least one recipient device via an alternate delivery channel.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/08/2003** **0797/2003** **March 2009** **11/12/2012** **26027**

(51)	**Int. Cl.** [8] **A61K 31/663, 9/20 , 9/28**
(71)	**1. F. HOFFMANN – LA ROCHE AG (SWITZERLAND)** **2.** **3.**
(72)	**1. KAESTLE, Hans – G.** **2. MEYER, Bernard** **3.**
(73)	**1.** **2.**
(30)	**1.** **2. (EP) 02028745,4- 20/12/2002** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**HIGH DOSE IBANDRONATE FORMULATION**
	Patent Period Started From granting date and Will end on 15/08/2023

(57) The invention relates to a high dose oral formulation of bisphosphonates and to a process for the preparation of such formulations.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/07/2008** **1230/2008** **September 2012** **12/12/2012** **26028**

(51)	**Int. Cl.[8] C11D 3/386, 3/395, 3/40**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. LANT, Neil, Joseph** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/761,122 – 23/01/2006** **2. (US) 60/795,727 – 28/04/2006** **3. (US) 60/854,837 – 27/10/2006** **4. (PCT/US2007/001672) – 22/01/2007**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54)	**DETERGENT COMPOSITIONS CONTAINING ENZYME AND PHOTOBLEACH**
	Patent Period Started From 22/01/2007 and Will end on 21/01/2027

(57) This invention relates to compositions comprising certain lipase variants and a photo bleach and processes for making and using such compositions. Including the use of such compositions to clean and/or treat a situs.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/04/2008** **0672/2008** **September 2012** **12/12/2012** **26029**

(51)	**Int. Cl.** [8] **C12N 15/02, 15/09 & A01H 1/00, 1/02, 5/00**
(71)	**1. SAKATA SEED CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. HORIUCHI, Shingo** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2005-311598 – 26/10/2005** **2. (PCT/JP2006/321456) – 20/10/2006** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) CYTOPLASMIC HYBRID PLANT BELONGING TO THE GENUS LACTUCA AND METHOD FOR PRODUCTION THEREOF

Patent Period Started From 20/10/2006 and Will end on 19/10/2026

(57) The object is to provide a cytoplasimic male sterile lettuca which is useful for production of ahettuca F1 cultivar , and a method for production of the lettuca . Disclosed is a cytoplasmic hybrid plant belonging to the genus lactucawhich has a gene derived from the cytoplasm of a plant belonging to the genus Helianthus in its cytoplasm , perferably which is cytoplasmic male sterile , or a progeny or a part of the plant . Also disclosed is a method for production of the plant .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/12/2009** **1873/2009** **July 2012** **10/12/2012** **26030**

(51)	**Int. Cl. [8] G07F 17/42 & G07B 5/00, 15/00 & G07G 1/00**
(71)	**1. THALES (FRANCE)** **2.** **3.**
(72)	**1. DELVILLE, Florence** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 0704505 – 22/06/2007** **2. PCT/EP2008/056641- – 29/05/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) ONBOARD COMPUTER TICKETING TERMINAL

Patent Period Started From 29/05/2008 and Will end on 28/05/2028

(57) The present invention relates to an onboard computer ticketing terminal particularly on board a public transport vehicle. The computer ticketing terminal comprises a body fitted with at least: a card reader; an orientable customer interface; a printer, incorporated into the said body, a paper delivery from the printer taking place through an orientable slot made in the body; an orientable driver interface. The computer ticketing terminal makes it possible in particular to use transport ticket selling applications thanks to an interface with an onboard central processor 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)**	**26/02/2009** **0269/2009** **August 2012** **12/12/2012** **26031**

(51)	**Int. Cl.[8] C09K 8/80 & C04B 35/111**
(71)	**1. IMERYS (FRANCE)** **2.** **3.**
(72)	**1. ALARY, Jean, Andre** **2. PARIAS, Thomas** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 11/469,589 – 01/09/2006** **2. (US) 11/624,057 – 17/01/2007** **3. (PCT/IB2007/003613) – 30/08/2007**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**ROD-SHAPED PROPPANTS AND ANTI-FLOWBACK ADDITIVES, METHODS OF MANUFACTURING, AND METHODS OF USE**
	Patent Period Started From 30/08/2007 and Will end on 29/08/2027

(57) A sintered rod-shaped proppant and anti-flowback agent possesses high strength and high conductivity. The sintered rods comprise between about 0.2% by weight and about 4% by weight aluminum titanate. In some embodiments, the sintered rods are made by mixing bauxitic and non-bauxitic sources of alumina that may also contain several so-called impurities (such as TiO2), extruding the mixture, and sintering it. The starting material may optionally be milled to achieve better compacity and crush resistance in the final sintered rod. A fracturing fluid may comprise the sintered rods alone or in combination with a proppant, preferably a proppant of a different shape.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/11/2005** **PCT/NA2005/000769** **July 2012** **12/12/2012** **26032**

(51)	**Int. Cl.** [8] **A61K 38/00, 47/48 & A61P 25/00**	
(71)	**1. SHIRE LLC. (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. MICKLE, Travis** **2. KRISHNAN, Suma** **3. BISHOP, Barney**	**4. LAUDERBACK, Christopher** **5. MONCRIEF, James, Scott** **6. OBERLENDER, Rob**
(73)	**1.** **2.**	
(30)	**1. (US) 60/473,929 - 29/05/2003** **2. (US) 60/567,801 – 05/05/2004** **3. (PCT/US2004/017204) – 01/06/2004**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) ABUSE RESISTANT AMPHETAMINE COMPOUNDS

Patent Period Started From 01/06/2004 and Will end on 31/05/2024

(57) The invention describes compounds, compositions and methods of using the same comprising a chemical moiety covalently attached to amphetamine. These compounds and compositions are useful for reducing or preventing abuse and overdose of amphetamine. These compounds and compositions find particular use in providing an abuse-resistant alternative treatment for certain disorders, such as attention deficit hyperactivity disorder (ADHD), ADD, narcolepsy, and obesity. Oral bioavailability of amphetamine is maintained at therapeutically useful doses. At higher doses bioavailability is substantially reduced, thereby providing a method of reducing oral abuse liability. Further, compounds and compositions of the invention decrease the bioavailability of amphetamine by parenteral routes, such as intravenous or intranasal administration, further limiting their abuse liability.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/09/2010** **1651/2010** **August 2012** **13/12/2012** **26033**

(51)	**Int. Cl.** [8] **B61G 11/12, 9/04**
(71)	**1. VOITH PATENT GMBH (GERMANY)** **2.** **3.**
(72)	**1. MOMBOUR, Klaus** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 09171936,9 – 01/10/2009** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DEVICE FOR DAMPING TRACTIVE AND COMPRESSIVE FORCES

Patent Period Started From 29/09/2010 and Will end on 28/09/2030

(57) The invention relates to a device for damping tractive and compressive forces which is designed to damp forces acting in both the tractive and compressive directions over as wide a range as possible, the device at the same time operating in such a way as to be free of wear and being notable in particular for its small overall length. For this purpose provision is made for the device to have a damping system which is held in a housing and which has a resilient unit and a hydraulic damping arrangement, and to have a piston rod which is displaceable in the longitudinal direction relative to the housing of the ° damping system. Formed in an end region of the piston rod is a piston head which is held in a first hydraulic chamber of the hydraulic damping arrangement in such a way as to be displaceable. If there is a longitudinal movement of the piston head relative to the first hydraulic chamber, hydraulic fluid flows 1 in a throttled manner, via a transfer-flow system, to a second hydraulic chamber of the hydraulic damping arrangement.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/08/2010** **1376/2010** **July 2012** **13/12/2012** **26034**

(51)	**Int. Cl.** [8] **H02G 3/04**
(71)	**1. LEGRAND ELECTRIC LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. HABIB Rahman** **2. NIGEL Leaver** **3. GEOFFREY Ditchfield** **4. ARTHUR Dalton** **5. STEPHEN Wilmore**
(73)	**1.** **2.**
(30)	**1. (GB) 0914593,9 – 20/08/2009** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) CABLE TRUNKING DEVICE

Patent Period Started From 16/08/2010 and Will end on 15/08/2030

(57) A cable truriking device comprising: two structural components and at least one spring clip device secured on one of the structural components for rotation relative thereto between a clipping position and a release position wherein in the clipping position the at least one spring clip device enables clipping of said one structural component to the other structural component and said one structural component is thereafter releasable from the other structural component by rotating the at least one spring clip device to the release position; wherein the two structural components define the lid and base component of said cable trunking device.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/03/2010** **0366/2010** **July 2012** **19/12/2012** **26035**

(51)	**Int. Cl.** [8] **B65D 17/34**
(71)	**1. INTERNATIONAL PATENTS AND BRANDS CORPORATION (PANAMA)** **2.** **3.**
(72)	**1. LINDEN, Paolo** **2. CAMURRI, Edmondo** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) (UD2007A000159) – 07/09/2007** **2. (PCT/EP2008/055707) – 08/05/2008** **3.**
(74)	**YOUSSEF HAFEZ**
(12)	**Patent**

(54) CONTAINER FOR A SUBSTANCE, IN PARTICULAR A DRINK, WITH A TEAR-OPEN CLOSING ELEMENT

Patent Period Started From 08/05/2008 and Will end on 07/05/2028

(57) A container for substances, for example drinks, comprises an upper wall, which functions as a lid, and a central zone on which a closed line of weakening is defined that defines a stopper, in the shape of a tongue, which normally closes a relative aperture for the substance to pass through, a lever, associated with the tongue, which can be driven so as to remove the stopper, at least partly, from the upper wall, detaching it along the line of weakening and thus freeing the aperture, and a connection element of the flexible type which is connected both to the stopper and also to the upper wall. The lever has a first end pivoted in correspondence with the peripheral rib, a second end, which functions as a gripper element, disposed in substantial correspondence with the central zone, and an intermediate zone between the two ends, by means of which the lever is connected to the stopper.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/06/2010** **1088/2010** **July 2012** **20/12/2012** **26036**

(51)	**Int. Cl.** [8] **E21B 43/267**
(71)	**1. SAINT-GOBAIN CERAMICS & PLASTICS, INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. STEPHENS, Walter** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/009,354 – 28/12/2007** **2. (PCT/US/2008/087431) – 18/12/2008** **3.**
(74)	**SMAS FOR INTELLECTUAL PROPERTY**
(12)	**Patent**

(54) CONDUCTIVITY ENHANCING STRUCTURES FOR USE WITH PROPPANTS IN OIL AND GAS WELLS

Patent Period Started From 18/12/2008 and Will end on 17/12/2028

(57) A mixture of proppant particles and conductivity enhancing structures is disclosed. The spherically shaped proppant particles have convex surfaces. The conductivity enhancing structures include concave surfaces. The proppant particles" convex surfaces abut the conductivity enhancing structures concave surfaces.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/01/2010** **0106/2010** **September 2012** **23/12/2012** **26037**

(51)	**Int. Cl.** [8] **A01N 25/10 & A01G 13/00 & B32B 27/08**	
(71)	**1. BAYER INNOVATION GMBH (GERMANY))** **2.** **3.**	
(72)	**1. DUJARDIN, Ralf** **2. BECKER, Rolf, Christian** **3. TOAPANTA, Marco**	**4. SCHMUCK, Arno** **5. STREITENBERGER, Almuth**
(73)	**1.** **2.**	
(30)	**1. (US) 60/951,016 – 20/07/2007** **2. (PCT/EP2008/005577) – 09/07/2008** **3.**	
(74)	**SHADY FAROUK MUBARAK**	
(12)	**Patent**	

(54) POLYMER COMPOSITE MATERIAL WITH BIOCIDE FUNCTIONALITY

Patent Period Started From 09/07/2008 and Will end on 08/07/2028

(57) Polymer composite material with biocide functionality, preferably for the use in agriculture, comprising at least one base polymer compound and at least one biocide active ingredient, wherein the biocide active ingredient is an organic biocide that can be emitted from the polymer composite material by diffusion and/or osmosis and method of its production.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/08/2010** **1463/2010** **July 2012** **23/12/2012** **26038**

(51)	**Int. Cl.[8] B65G 1/00**
(71)	**1. TETZLAFF KARL-HEINZ (GERMANY)** **2.** **3.**
(72)	**1. TETZLAFF Karl-Heinz** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102008012154,1 – 01/03/2008** **2. (PCT/EP2009/001390) – 27/02/2009** **3.**
(74)	**MOHAMED MOHAMED BAKIR**
(12)	**Patent**

(54) BIOMASS TRANSPORT INSTALLATION FOR INTRODUCTION INTO A PRESSURISED CONTAINER

Patent Period Started From 27/02/2009 and Will end on 26/02/2029

(57) It is difficult to introduce a heterogeneous solid, such as a biomass, into a pressurized container. Cellular wheel sluices and air locks used until now have significant flaws. The use of standard worm conveyors had failed up until now in that a cavity forms behind the screw flight, into which gas can escape from the Pressurized container. Those shortcomings are overcome by arranging two independently controllable worms in a worm conveyor tube. The biomass is compressed by high pressure between the primary worm driven by the motor And the secondary worm driven by the motor, as a result of different rotational speeds of the motors in such a way that an almost gas-tight plug is formed. The invention is suitable especially for introducing biomass into a pressurized gasification installation for producing synthesis gas.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/10/2010** **1664/2010** **September 2012** **24/12/2012** **26039**

(51)	**Int. Cl. [8] B28 B21/00, F16 L9/02**
(71)	**1. AMERON INTERNATIONAL (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. FRIEDRICH, Ralph,S.** **2. SHENG, Qizhong** **3. KUBAT, Paul**
(73)	**1.** **2.**
(30)	**1. (US) 12/061,263 – 02/04/2008** **2. (PCT/US2009/039091) – 01/04/2009** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) PRESSURE CAST CONCRETE OR MORTAR LINED STEEL PIPES AND METHODS OF MAKING THE SAME

Patent Period Started From 01/04/2009 and Will end on 31/03/2029

(57) Pressure cast lined steel pipes comprise an annular concrete or mortar liner along an inside diameter, and a metal shell surrounding the liner, wherein the liner is in direct contact with the metal shell. The wall thickness of the liner can be from 10 to 50 times the thickness of the metal shell. The pipe may be coated with a dielectric material. A mold assembly used to form the pipe includes an annular concrete or mortar composition chamber formed between the metal shell and an inner mold member. Pressurized water is used in the mold assembly to pressurize the concrete or mortar composition and exert a desired pressure force onto the metal shell while the composition cures in the mold. Once a desired degree of cure is achieved, the pressure is removed causing the metal shell to exert a desired compression force onto the cured liner.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/03/2009** **0325/2009** **July 2012** **27/12/2012** **26040**

(51)	**Int. Cl. [8] G05B 11/01**
(71)	**1. MOHAMMED HELMY ABD EL-RAOUF MOHAMMED(EGYPT)** **2.** **3.**
(72)	**1. MOHAMMED HELMY ABD EL-RAOUF MOHAMMED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**FIFTEEN VALUES AUTOMATED DECADE CAPACITANCE FABRICATED BY OPTIMUM NUMBER OF ELEMENTS**
	Patent Period Started From12/03/2009 and Will end on 11/03/2029

(57) The new patent decade capacitance is fabricated by four capacitive elements (capacitors) to obtain the output capacitance values with fifteen steps. So, it has many useful advantages over other capacitance decades. All capacitance decades produce ten out put steps only, but this new decade gives much wider range of the output steps of capacitance. The decade output steps are controlled automatically by the computer through some software programs, which is specially prepared to this aim. Decade capacitance boxes which will be manufactured by using this new decade capacitance have minimum cost, high life time and much wider range of the automatic output capacitance steps.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/03/2010** **0384/2010** **August 2012** **27/12/2012** **26041**

(51)	**Int. Cl. [8] A23F 3/14, 3/16, 3/30**
(71)	**1. UNILEVER PLC (UNITED KINGDOME)** **2.** **3.**
(72)	**1. SMITH, Ian** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 07116753,0 – 19/09/2007** **2. (PCT/EP2008/060323) – 06/08/2008** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54)	**BEVERAGE PRECURSOR AND PROCESS FOR THE MANUFACTURE THEREOF**
	Patent Period Started From 06/08/2008 and Will end on 05/08/2028

(57) The present invention provides a beverage precursor comprising black leaf tea characterized in that the precursor comprises thiamine in an amount of at least 4% by dry weight of the precursor. The invention also provides a process for manufacturing a beverage precursor wherein black tea is coated with thiamine and then blended with uncoated tea.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/12/2010** **2146/2010** **August 2012** **27/12/2012** **26042**

(51)	**Int. Cl. [8] B01D 61/02 & C02F 1/44**
(71)	**1. YALE UNIVERSITY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MCGINNIS, Robert, L.** **2. ELIMELECH, Menachem** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/074,195 – 20/06/2008** **2. (US) 61/074,199 – 20/06/2008** **3. (PCT/US2009/048137) – 22/06/2009**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54) FORWARD OSMOSIS SEPARATION PROCESSES

Patent Period Started From 22/06/2009 and Will end on 21/06/2029

(57) Separation processes using engineered osmosis are disclosed generally involving the extraction of solvent from a first solution to concentrate solute by using a second concentrated solution to draw the solvent from the first solution across a semi-permeable membrane. One or both of the solute and solvent may be a desired product. Enhanced efficiency may result from using low grade waste heat from industrial or commercial sources.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22) 20/05/2010** **(21) 0832/2010** **(44) August 2012** **(45) 27/12/2012** **(11) 26043**

(51)	**Int. Cl.[8] C02F 1/461, 1/469 & H01G 9/04 & H01M 4/04**
(71)	**1. UNILEVER PLC (UNITED KINGDOM)** **2.** **3.**
(72)	**1. KADAM, Manoj, Krishna** **2. NADAKATTI, Suresh, murigeppa** **3. TENDULKAR, Mahesh, Subhash**
(73)	**1.** **2.**
(30)	**1. (IN) 2457MUM/2007 – 14/12/2007** **2. (PCT/EP2008/065643) – 17/11/2008** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54) ELECTRODE FOR CAPACITIVE DEIONISATION

Patent Period Started From 17/11/2008 and Will end on 16/11/2028

(57) The present invention relates to an electrode composition for capacitative deionization for removal of dissolved salts from water and to a process for preparing the same and the use of such systems in water purification devices. In particular the invention relates to an electrode for capacitive deionization of water comprising activated carbon, thermoplastic polymeric binder and conductive carbon black.

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

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" PATENTS ISSUED JANUARY IN 2013"

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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

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TM	Turkmenistan
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TR	Turkey
TT	Trindad and Topago
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UY	Uruguay
UZ	Uzbekistan
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YD	Yemen
YU	Yugoslavia
ZA	South Africa
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
January (2013)

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Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/07/2009** **1036/2009** **July 2012** **03/01/2013** **26044**

(51)	**Int. Cl.** [8] **F16K 1/00**
(71)	**1. HAMDY ALY EBRAHEM (EGYPT)** **2.** **3.**
(72)	**1. HAMDY ALY EBRAHEM** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**SAVING WATER**
	Patent Period Started From 05/07/2009 and Will end on 04/07/2029

(57) This invention relates to a new design for saving water so there connected in the used of tap. That the user can use water when he wants to use the same and only when he uses it. The idea depends on pandas and interior parts to control for the open and closed the tap by moving and to open and let it to close.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/05/2010** **0906/2010** **September 2012** **06/01/2013** **26045**

(51)	**Int. Cl. [8] B05D 7/24 & F16L 15/04**	
(71)	**1. SUMITOMO METAL INDUSTRIES, LTD (JAPAN)** **2. VALLOUREC MANNESMANN OIL & GAS FRANCE (FRANCE)** **3.**	
(72)	**1. GOTO, Kunio** **2. KAMIMURA, Takayuki** **3. TAKAHASHI, Masaru** **4. MATSUMOTO, Keishi**	**5. IWAMOTO, Michihiko** **6. IMAI, Ryuichi** **7. RAI, Stephanie**
(73)	**1.** **2.**	
(30)	**1. (JP) 2007-313378 – 04/12/2007** **2. (JP) 2008-268817 – 17/10/2008** **3. (PCT/JP2008/071856) – 02/12/2008**	
(74)	**SMAS FOR INTELLECTUAL PROPERTY**	
(12)	**Patent**	

(54)	**THREADED JOINT FOR PIPES**
	Patent Period Started From 02/12/2008 and Will end on 01/12/2028

(57) In threaded joint for pipes constituted by a pin and a box , each having a contact surface comprising a threaded portion and an unthreaded metal contact portion , the contact surface of the pin has a solid corrosion protective , preferably transparent coating based on a UV-curable resin and the contact surface of the box has a solid lubricating coating having plastic or viscoplastic theological behavior which is preferably formed by the hot melt technique from a composition comprising a thermoplastic polymer , a wax , a metal soap , a corrosion inhibitor , a water-insoluble liquid resin , and a solid lubricant.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/06/2008** **1092/2008** **October 2012** **06/01/2013** **26046**

(51)	**Int. Cl.** [8] **B60D 7/00**
(71)	**1. M0HAMMED ISMAIL ABDEL MAKSOUD EL ARABEY** **2.** **3.**
(72)	**1. M0HAMMED ISMAIL ABDEL MAKSOUD EL ARABEY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) MECHANICAL SYSTEM FOR LOADING AND UNLOADING OF CARTS AND TRAILERS, CARGO TRANSPORT

Patent Period Started From 25/06/2008 and Will end on 24/06/2028

(57) The invention relates to a system of mechanical loading and unloading of the re-loads that need to arrange the transport trucks and trailers with UNFPA dump oil hydraulic circuits. It is based on drag and move the shipping box accidentally over the chassis of the truck to the side (right or north) and downloaded in full to the ground to pick up the shipment is processed in advance to Wall rack longitudinal to the shipping box (or leaf alternative specification matching) and then raise the Fund and within the shipment once on the chassis of the truck. To move and re-download it with the withdrawal of the longitudinal Wall unloading the shipment under the same format stacked at once on the surface of the Earth directly.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/08/2005** **0356/2005** **January 2009** **08/01/2013** **26047**

(51)	**Int. Cl. [8] E06B 9/00**
(71)	**1. AMR HELMY AHMED ABD EL MAGED (EGYPT)** **2.** **3.**
(72)	**1. AMR HELMY AHMED ABD EL MAGED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) A WINDOW ALLOW AIR AND LIGHT ON BEING NOT TRANSPARENT

Patent Period Started From 06/08/2005 and Will end on 05/08/2025

(57) This invention relates to a window allow air and light on being not transparent at the same time this window can control quantity of air and light to pass through window. It also allows seeing on being in and prevents seeing on being out in on easy way.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/11/2006** **PCT/NA2006/001041** **September 2012** **09/01/2013** **26048**

(51)	**Int. Cl. [8] C08G 63/83, 63/80, 63/183 & C08J 15/18 & D01F 6/84**	
(71)	**1. SAUDI BASIC INDUSTRIES CORPORATION (SAUDI ARABIA)** **2.** **3.**	
(72)	**1. BASHIR, Zahir** **2. SIDDIQUI, Jamil** **3. SAMPATH, Venkatanathan**	**4. AL-LUHAIDAN, Khalid**
(73)	**1.** **2.**	
(30)	**1.** **2. (EP) 04010616,3 – 05/05/2004** **3. (PCT/IB 2005/001577) – 08/04/2005**	
(74)	**SMAS FOR INTELLECTUAL PROPERTY**	
(12)	**Patent**	

(54) PROCESS FOR THE PRODUCTION OF POLYETHYLENE TEREPHTHALATE COPOLYESTER COPOLYESTER OBTAINED THEREBY AND ITS USE AND CATALYST USEFUL IN THE PROCESS

Patent Period Started From 08/04/2005 and Will end on 07/04/2025

(57) The present invention relates to process for the production of polyethylene terephthalate copolyester from terephthalic acid , isophthalic acid and ethylene glycol, comprisingg the steps : a) preparing a catalyst composition comprising a zinc compound being present such that elemental zinc content is in a rang of about 50 to 500 ppm , preferabbly about 200 to about 500 ppm , most preferably about 180 to about 260 ppm , based on copolyester , b) placing the catalyst composition , terephthalic acid , isophyhalic acid and ethylene glycol in a vessel , and c) reacting the terephathlic acid, isophthalic acid and ethylene glycol in an csterifiction steps and polycondensation step to obtain olythylene trephthalate copolyster , to the copolyester obtain thereby and its use m as well as to catalyst composition suitable in the inventive process.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/03/2010** **0361/2010** **August 2012** **13/01/2013** **26049**

(51)	**Int. Cl.[8] B65H 71/00 & D06B 23/28**
(71)	**1. SSM SCHÄRER SCHWEITER METTLER AG (SWITZERLAND)** **2.** **3.**
(72)	**1. BÖNI, Franz** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/EP2007/007930) – 12/09/2007** **2.** **3.**
(74)	**SMAS FOR INTELLECTUAL PROPERTY**
(12)	**Patent**

(54) METHOD FOR MONITORING THE PRESENCE OF A FINISH

Patent Period Started From 12/09/2007 and Will end on 11/09/2027

(57) Disclosed is a method for monitoring the presence of a finish on an applicator when an amount of finish is applied to an advancing textile thread or yarn by means of said applicator. The disclosed method comprises the following steps: - the amount of finish to be applied is delivered, especially from a storage vessel, through a duct in the direction of the applicator by means of a dosing system for controlled delivery of the finish to be applied; - a progress of a first finish temperature is measured in a first measurement point on the duct by means of a first temperature sensor; - a progress of a second finish temperature is measured in a second measurement point on the duct by means of a second temperature sensor; - the finish to be delivered is heated between the first and the second measurement point by means of a heater; and - the progress of the difference between the measured finish temperatures is determined, and the presence of the finish is monitored by evaluating the progress of the difference between the measured finish temperatures. The amount of delivered finish is temporarily increased beyond the amount of finish to be applied during a certain interval by means of the dosing system when the finish temperatures are measured.

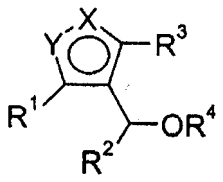
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**2010010041** **10/01/2010** **September 2012** **15/01/2013** **26050**

(51)	**Int. Cl.** [8] **A01N 43/40, 43/54& C07D 401/06, 417/06, 417/14**	
(71)	**1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND)** **2.** **3.**	
(72)	**1. ACKERMANN, Peter** **2. BOBBIO, Carla** **3. CORSI, Camilla** **4. EHRENFREUND, Josef**	**5. MCGINLEY, Ann, Monica** **6. VERRAS, Andreas** **7. TITULAER, Ruud**
(73)	**1.** **2.**	
(30)	**1. (GB) 0713479,4 – 11/07/2007** **2. (PCT/EP2008/005589) – 09/07/2008** **3.**	
(74)	**SOHEIR M. REZK**	
(12)	**Patent**	

(54) ISOTHIAZOLE AND PYRAZOLE DERIVATIVES AS FUNGICIDES

Patent Period Started From 09/07/2008 and Will end on 08/07/2028

(57) The present invention relates to compounds of Formula (I) wherein R1, R_2, R3 or R4 are as defined in claim 1 or a salt or N-oxide thereof and their use in methods for the control and/or prevention of fungal infection, particularly in plants. The compounds claimed are isothiazole and pyrazole derivatives.



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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)**	**25/10/2010** **1797/2010** **October 2012** **15/01/2013** **26051**

(51)	**Int. Cl.[8] H01B 13/02 , 7/00**
(71)	**1. DLB DRAHT UND LITZEN GMBH (GERMANY)** **2.** **3.**
(72)	**1. EICHELMANN, Klaus** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102008027295.7 – 06/06/2008** **2. (PCT/EP2009/004049) – 05/06/2009** **3.**
(74)	**MAGDA HAROUN & NADIA HAROUN**
(12)	**Patent**

(54) METHOD FOR PRODUCING A BRAID, AND ALSO A BRAID COMPRISING A PLURALITY OF WIRES

Patent Period Started From 05/06/2009 and Will end on 04/06/2029

(57) The invention relates to a method for producing a braid comprising a plurality of wires which are composed of an electrically conductive material, in which method the wires are hard-drawn to a final diameter in at least a single- or multiple-wire drawing machine or drawing apparatus in a final drawing step before braiding, so that the wire or wires each have a tensile strength of at least 300 N/mm2 and that the hard-drawn wires or a mixture of hard-drawn wires and soft-annealed wires are then braided in a braiding machine to form a braid without a subsequent annealing process, and also to a braid which is produced in accordance with the above method.

Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office	EG	(22) 01/11/2010 (21) 1842/2010 (44) October 2012 (45) 15/01/2013 (11) 26052

(51)	Int. Cl. [8] B66B 23/24
(71)	1. INVENTIO AG (SWITZERLAND) 2. 3.
(72)	1. ILLEDITS, Thomas 2. NOVACEK, Thomas 3. MATHEISL, Michael
(73)	1. 2.
(30)	1. (EP) 08156619,2 – 21/05/2008 2. (PCT/EP2009/055429) – 05/05/2009 3.
(74)	MAGDA HAROUN & NADIA HAROUN
(12)	Patent

(54) HANDRAIL FOR AN ESCALATOR OR A MOVING WALKWAY

Patent Period Started From 05/05/2009 and Will end on 04/05/2029

(57) The invention relates to a handrail, used in particular for escalators or moving walkways and having a plurality of grip elements arranged next to one another. Each grip element has an outer shell, cover layer or casing which is at least partially transparent. In addition, illumination means are situated in the interior that is delimited by the oval or elliptical outer shell, cover layer or casing.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/09/2009** **1315/2009** **September 2012** **15/01/2013** **26053**

(51)	**Int. Cl.** [8] **C11B 3/08, 3/10 & C12M 1/04 & C12P 7/64**	
(71)	**1. CITY FOR SCIENTIFIC RESEARCH AND TECHNOLOGY APPLICATIONS** **2.** **3.**	
(72)	**1. DR. MUHAMMAD ADB AL-MOEZ EL- SAADANI** **2. DR. ELSAYED ELSAYED HAFEZ** **3. AHMED ELSAYED IBRAHEEM**	**4. REHAB YASSIN AHMED GHARE** **5. AHMED KHALAF REYAD**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)		
(12)	**Patent**	

(54) ALGAE HARVEST SYSTEM FROM WATER FOR BIODIESEL PRODUCTION

Patent Period Started From 03/09/2009 and Will end on 02/09/2029

(57) This main purpose of this project is harvesting of algae from water by using their electrochemical properties and two plate of graphite and graphite-copper alloy supported with electrical current. The electrical current coming from microbial fuel cell which supported by domestic waste water. After algal harvest the algal biomass submit to oil extraction process, the extracted oil transesterficate to make biodiesel.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/07/2010** **1232/2010** **October 2012** **16/01/2013** **26054**

(51)	**Int. Cl.** [8] **A01M 1/20**
(71)	**1. BASF SE (GERMANY)** **2.** **3.**
(72)	**1. BOLIN, David G** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/023553 – 25/01/2008** **2. (PCT/EP2009/050765) – 23/01/2009** **3.**
(74)	**TAHA HANAFI MAHMOUD**
(12)	**Patent**

(54)	**APPARATUS FOR PEST CONTROL**
	Patent Period Started From 23/01/2009 and Will end on 22/01/2029

(57) The present invention relates to an apparatus for pest control; and to the use of said apparatus for pest control. The apparatus comprises a hollow station forming at least one entrance for the pests to be controlled; a pheromone of a pest to be controlled; and a contact pesticide for the pests to be controlled, said contact pesticide being provided inside said hollow station, and the hollow station being designed to prevent the pests from remaining within said hollow station without expenditure of energy.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/07/2010** **1175/2010** **August 2012** **17/01/2013** **26055**

(51)	**Int. Cl.** [8] **F28F 9/00**
(71)	**1. BABCOCK & WILCOX POWER GENERATION, GROUO INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. WHITE, William, J.** **2. ALBRECHT, Melvin, J.** **3. MARSHALL, Jason, M.** **4. SHIFER, Dennis, R.**
(73)	**1.** **2.**
(30)	**1. (US) 61/020882 – 14/01/2008** **2. (PCT/US2009/030978) – 14/01/2009** **3.**
(74)	**EL DEEB OFFICE**
(12)	**Patent**

(54) HEAT EXCHANGER

Patent Period Started From 14/01/2009 and Will end on 13/01/2029

(57) A heat exchanger having an arrangement of heat transfer surfaces and a pair of vertical steam/water separators structurally interconnected to one another to provide an integral support structure for the heat exchanger. The structural interconnection includes upper and lower structural members extending between the pair of vertical steam/water separators. The upper and lower structural members include headers, and an arrangement of heating surface which extends between and is fluidically connected to the headers. A structural support framework surrounds the heat exchanger for bottom support thereof, the framework providing structural support and rigidity for the heat exchanger and a means by which the heat exchanger can be picked up and lifted for placement at a desired location.

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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)**	**18/11/2008** **1878/2008** **August 2012** **17/01/2013** **26056**

(51)	**Int. Cl.** [8] **C08G 18/42, 18/66**
(71)	**1. DOW GLOBAL TECHNOLOGIES INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. VAIRO, Giuseppe** **2. LISTA, Giuseppe** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/801,335 – 18/05/2006** **2. (PCT/US2007/069108) – 17/05/2007** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54) POLYURETHANE ELASTOMER WITH ENHANCED HYDROLYSIS RESISTANCE

Patent Period Started From 17/05/2007 and Will end on 16/05/2027

(57) Disclosed are polyester based polyurethane microcellular elastomers, suitable for shoe soles, with intrinsic hydrolytic stability prepared by the reaction of a polyisocyanate with and isocyanate reactive composition. The elastomers are produced from a polyisocyanate which is a prepolymer containing a polyester based on isomeric mixtures of 1,3- and 1,4-cyclohexane dimethanol, where the isocyanate reactive composition contains such a polyester or where the polyester based on mixtures of 1,3- and 1,4-cyclohexane dimethanol are present in both the prepolymer and isocyanate reactive 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)**	**15/09/2009** **1356/2009** **August 2012** **17/01/2013** **26057**

(51)	**Int. Cl. [8] H01B 3/20 & H01F 27/12**
(71)	**1. IZCARA ZURRO, Jesus - Spain** **2.** **3.**
(72)	**1. IZCARA ZURRO, Jesus** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2. (PCT/ES2007/000148) – 16/03/2007** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54) BIODEGRADABLE DIELECTRIC FLUID

Patent Period Started From 16/03/2007 and Will end on 15/03/2027

(57) The invention relates to the field of dielectric fluids intended for electric systems. More specifically, the invention relates to a biodegradable dielectric fluid that is highly resistant to oxidation, consisting of an oil or a mixture of vegetable oils having a very high oleic acid content, with substantially all of the natural tocopherols thereof being conserved, and containing a metal deactivator. The invention also relates to the use of said fluid in insulating and refrigerating electrical equipment.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/09/2010** **1537/2010** **October 2012** **20/01/2013** **26058**

(51)	**Int. Cl. [8] C09K 3/32**
(71)	**1. COMMERZIALBANK MATTERSBURG IM BURGENLAND AKTIENGESELLSCHAFT** **2. (Austria)** **3.**
(72)	**1. PHILIPP, Franz, Josef** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (AT) A 424/2008 – 17/03/2008** **2. (PCT/AT2009/000095) – 09/03/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD FOR PRODUCING AN OIL BINDING AGENT

Patent Period Started From 09/03/2009 and Will end on 08/03/2029

(57) A method for producing an oil binding agent, using highly porous natural siliceous material and organic-containing remaining material, wherein the highly porous natural siliceous material having an initial grain size of between 4 and 10 mm is mixed with the organic-containing remaining material and the mixture is calcined at a temperature between 520 and 550?C and then comminuted to a grain size spectrum substantially ranging between 4 and 0.125 mm.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/09/2010** **1508/2010** **October 2012** **20/01/2013** **26059**

(51)	**Int. Cl. [8] B06G 7/00**
(71)	**1. SUZHOU EAGLE ELECTRIC VEHICLE MANUFACTURING CO. LTD (CHINA)** **2.** **3.**
(72)	**1. BAOGUI WU** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (CN) 201010131598.X – 11/03/2010** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**SUSPENSION LIFT SYSTEM FOR GOLF CARTS WITH IMPROVED PIVOTAL NODES**
	Patent Period Started From 07/09/2010 and Will end on 06/09/2030

(57) A suspension lift system for golf carts includes a carriage, a welded front frame attached to the carriage, upper and lower arms symmetrically arranged at opposite sides of the front frame, a rotatable apparatus, a steering knuckle and an absorber. Each upper or lower arm includes a first mounting side pivotally connected to the front frame, and a spindle connection end opposite to the first mounting side. The rotatable apparatus includes a bracket including a pair of lugs and a receiving space formed therebetween for accommodating the spindle connection end. The spindle connection end and the lug are threaded by a pin in order to combine the spindle connection end and the upper bracket.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/06/2011** **1063/2011** **October 2012** **20/01/2013** **26060**

(51)	**Int. Cl. [8] B65G 35/08**
(71)	**1. VAZEILLE, Joël (FRANCE)** **2. CHAIGNE, Patrick (FRANCE)** **3.**
(72)	**1. VAZEILLE, Joël** **2. CHAIGNE, Patrick** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 0858943 – 22/12/2008** **2. (PCT/FR2009/052456) – 09/12/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**VIAL CONVEYOR**
	Patent Period Started From 09/12/2009 and Will end on 08/12/2029

(57) The invention relates to a conveyor consisting of a plate with a closed-loop track along which the vials are driven in a continuous manner in holders arranged so as to be in free contact with each other in order to form a continuous stream along said track, characterised in that each holder comprises a horizontal platen to which is connected a plurality of vertical blades forming a ring and capable of elastically moving away from the rotational axis of the platen, the inner surfaces thereof being intended for bearing against the periphery of a vial.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/01/2008** **0118/2008** **October 2012** **20/01/2013** **26061**

(51)	**Int. Cl. [8] B65D 85/84, 90/34**
(71)	**1. AKZO NOBEL N. V. (NETHERLANDS)** **2.** **3.**
(72)	**1. KORVEMAKER, Albert Lucas** **2. HOOGESTEGER, Frans Johannes** **3. WAANDERS, Petrus Paulus**
(73)	**1.** **2.**
(30)	**1. (EP) 05106787,4 – 25/07/2005** **2. (US) 60/716,033 – 09/09/2005** **3. (PCT/EB2006/064438) – 20/07/2006**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54)	**PACKAGED PEROXIDE FORMULATION**
	Patent Period Started From 20/07/2006 and Will end on 19/07/2026

(57) A packaged peroxide formulation comprising a container and a liquid peroxide formulation, wherein said container has a volume of at least 50 litres and a vent area/volume ratio of at least 20 10-3 m2/m3, said liquid peroxide formulation satisfies the classification tests for organic peroxide type F, has a conductivity of at least 100 pS/m, is not an emulsion or suspension, and comprises (i) at least 33 wt% of an organic peroxide selected from the group consisting of diacyl peroxides, peroxyesters, peroxydicarbonates, peroxyketals, and monoperoxycarbonates, and (ii) optionally a phlegmatiser, the packaged peroxide formulation has a vent area that is at least equal to the minimum total vent area as determined by the 10 litre venting test.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/11/2010** **1993/2010** **October 2012** **20/01/2013** **26062**

(51)	**Int. Cl. [8] C11D 3/20, 10/04, 11/04**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. COURCHAY, Florence, Catherine** **2. NUYTS, Walter** **3. WINTER, Johannes, Georg**
(73)	**1.** **2.**
(30)	**1. (EP) 08157405,5 – 02/06/2008** **2. (PCT/US2009/045443) – 28/05/2009** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54)	**SURFACTANT CONCENTRATE**
	Patent Period Started From 28/05/2009 and Will end on 27/05/2029

(57) The present relates to a surfactant concentrate comprising at least 75% of an essentially completely neutralized anionic sulphated surfactant and 5% to 25% carboxylic acid, of which 4 % to 96% of the carboxylic acid is in its free acid form, the process for making it and a detergent composition containing 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)**	**07/09/2010** **1497/2010** **October 2012** **20/01/2013** **26063**

(51)	**Int. Cl.** [8] **C10G 47/36, 2/00, 45/62, 47/18, 65/14**
(71)	**1. Japan Oil, Gas and Metals National Corporation (JAPAN)** **2. INPEX CORPORATION (JAPAN)** **3. JX Nippon Oil & Energy Corporation (JAPAN)** **4. Japan Petroleum Exploration Co., Ltd. (JAPAN)** **5. COSMO OIL CO., LTD. (JAPAN)** **6. NIPPON STEEL ENGINEERING CO., LTD. (JAPAN)**
(72)	**1. TANAKA, Yuichi** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2008-065767 – 14/03/2008** **2. (PCT/JP2009/054652) – 11/03/2009** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) TREATMENT METHOD FOR PRODUCING DIESEL FUEL BASE AND METHOD OF CALCULATING DEGREE OF CRACKING OF WAX FRACTION

Patent Period Started From 11/03/2009 and Will end on 10/03/2029

(57) A treatment method which is for producing a diesel fuel base from a Fischer-Tropsch oil. The method, which is for treating a Fischer-Tropsch oil, comprises: (a) a step in which a synthetic oil obtained by the Fischer-Tropsch synthesis process is fractionated with a rectifier into at least two fractions, i.e., an intermediate fraction comprising ingredients having a boiling-point range corresponding to that of a diesel fuel oil and a wax fraction comprising a wax ingredient heavier than the intermediate fraction; (b) a step in which the wax fraction is brought into contact with a hydrocracking catalyst in a hydrocracking reactor to hydrocrack the fraction and hence obtain a cracking product; (c) a step in which a gas/liquid separator is disposed after the hydrocracking reactor in the step (b) to separate/remove a gaseous matter from the cracking product and obtain a cracking product oil; (d) a step in which the composition of the gaseous matter separated/removed in the step (c) is determined; (e) a step in which the degree of cracking in the hydrocracking reaction is calculated from the gaseous-matter composition determined in the step (d); and (f) a step in which the operating conditions for the hydrocracking reactor are controlled so that the degree of cracking calculated in the step (e) becomes a target degree of cracking. Also provided is a method of determining the degree of cracking when a wax fraction obtained by fractionating a Fischer-Tropsch oil with a rectifier is hydrocracked.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/07/2008** **1228/2008** **October 2012** **20/01/2013** **26064**

(51)	**Int. Cl. [8] C11D 3/386, 3/40 & C12N 9/20**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. SOUTER, Philip, Frank** **2. BURDIS, John, Allen** **3. LANT, Neil, Joseph**
(73)	**1.** **2.**
(30)	**1. (US) 60/761,188 – 23/01/2006** **2. (US) 60/769,267 – 28/04/2006** **3. (US) 60/854,787 – 27/10/2006** **4. (PCT/US2007/001594) - 22/01/2007**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) DETERGENT COMPOSITIONS

Patent Period Started From 22/01/2007 and Will end on 21/01/2027

(57) This invention relates to compositions comprising certain lipase variants and a fabric hueing agent and processes for making and using such compositions. Including the use of such compositions to clean and/or treat a situs.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/12/2008** **2021/2008** **October 2012** **20/01/2013** **26065**

(51)	**Int. Cl.** [8] **E05 19/00, 21/06**
(71)	**1. ABLOY OY (FINLAND)** **2.** **3.**
(72)	**1. MARTIKAINEN, Kaarlo** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (FI) 20065422 – 19/06/2006** **2. (PCT/FI2007/050340) – 11/06/2007** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) KEY AND DISC TUMBLER CYLINDER LOCK

Patent Period Started From 11/06/2007 and Will end on 10/06/2027

(57) The invention relates to a disc tumbler cylinder lock and a key for it. The key according to the invention comprises a groove that is transverse to the key shank. The groove comprises a bottom section and side sections that are transverse to the bottom section between the bottom section and the outer surface of the key shank. The bottom section of the groove is the key's main driving surface used to transfer turning force to the disc tumbler cylinder lock. This reduces wear on the O-surfaces of the key because the O-surfaces do not transfer the majority or any of the key turning force to the disc tumbler cylinder lock.

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)**	**03/10/2010** **1667/2010** **October 2012** **21/01/2013** **26066**

(51)	**Int. Cl. [8] B01J 12/00 & C07C 273/04, 275/06**
(71)	**1. STAMICARBON B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. MENNEN, Johannes Henricus** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 08006710.1- 02/04/2008** **2. (PCT/EP2009/053748) – 30/03/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESS FOR INCREASING THE CAPACITY OF AN EXISTING UREA PLANT

Patent Period Started From 30/03/2009 and Will end on 29/03/2029

(57) Process for increasing the capacity of an existing urea plant comprising a high-pressure urea synthesis section and one or more recovery sections, wherein next to the existing urea plant a urea production unit, comprising a high-pressure urea synthesis section and a medium-pressure recovery section, is installed, wherein a urea-containing stream is produced from ammonia and carbon dioxide and the urea-containing stream is sent to the existing urea plant where the urea-containing stream is further purified in the low-pressure recovery section.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/10/2010** **1802/2010** **October 2012** **21/01/2013** **26067**

(51)	**Int. Cl. [8] H02H 3/00**	
(71)	**1. SCHWEITZER ENGINEERING LABORATORIES, INC (UNITED STATES OF** **2. AMERICA)** **3.**	
(72)	**1. SCHWEITZER, Edmund, O.** **2. FEIGHT, Laurence, V.** **3. DUROS, James, Manely**	**4. RAUCH, Joseph, Robert**
(73)	**1.** **2.**	
(30)	**1. (US) 61/042.636 – 04/04/2008** **2. (PCT/US2009/039403) – 03/04/2009** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) THREE-PHASE FAULTED CIRCUIT INDICATOR

Patent Period Started From 03/04/2009 and Will end on 02/04/2029

(57) A three-phase faulted circuit indicator adjustable to accommodate a variety of three-phase power cables is disclosed. In one embodiment, faulted circuit indicator comprises a flexible holder that encircles the monitored conductor slightly more than one time. The flexible holder includes a plurality of magnetic sensors for monitoring the current within the internal conductors of the power cable, a logic circuit for determining the occurrence of a fault, and an output device for providing an indication of a fault. In a second embodiment, the faulted circuit indicator comprises a plurality of sensor compartments, each disposed about a central point, and each coupled to two other sensor compartments.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/11/2010** **1941/2010** **October 2012** **21/01/2013** **26068**

(51)	**Int. Cl. [8] C07C 273/00, 273/04**
(71)	**1. STAMICARBON B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. GEVERS, Lambertus Wilhemus** **2. MEESSEN, Jozef Hubert** **3. MENNEN, Johannes Henricus**
(73)	**1.** **2.**
(30)	**1. (EP) 08156422.1- 19/05/2008** **2. (PCT/EP2009/056066) – 19/05/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESS FOR THE PRODUCTION OF UREA FROM AMMONIA AND CARBON DIOXIDE

Patent Period Started From 19/05/2009 and Will end on 18/05/2029

(57) Process for the production of urea from ammonia and carbon dioxide in a urea plant containing a high-pressure synthesis section comprising at least one reactor section, a stripper and a condenser wherein all the high-pressure equipment is placed in a low position, wherein the height of the high-pressure section is less than 35 m from ground level and at least one of the reactor sections comprises means for the separate distribution of ammonia in the bottom of the reactor section.

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)**	**23/09/2009** **1388/2009** **October 2012** **21/01/2013** **26069**

(51)	**Int. Cl. [8] C22C 11/06 & H01M 4/68**
(71)	**1. NORTHSTAR BATTERY COMPANY LLC (UNITED STATES OF AMERICA)** **2. RSR TECHNOLOGIES (UNITED STATES OF AMERICA)** **3.**
(72)	**1. PRENGMAN, David R.** **2. FLEMING, Frank Albert** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/895.885 – 20/03/2007** **2. (US) 12/049.700 – 17/03/2008** **3. (PCT/US2008/057410) – 19/03/2008**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**LEAD-TIN-SILVER-BISMUTH CONTAINING ALLOY FOR POSITIVE GRID OF LEAD ACID BATTERIES**
	Patent Period Started From 19/03/2008 and Will end on 18/03/2028

(57) A lead-acid battery grid made from a lead-based alloy containing, in addition to lead, tin at a concentration that is at least about 0.500%, silver at a concentration that is greater than 0.006%, and bismuth at a concentration that is at least about 0.005%, and, if calcium is present in the lead-based alloy, the calcium is at concentration that is no greater that about 0.010%.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/08/2009** **1258/2009** **October 2012** **21/01/2013** **26070**

(51)	**Int. Cl. [8] C04 B 35/453, 35/45**
(71)	**1. MICROBAN PRODUCTS COMPANY(UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. CAMPBELL, Alvin, Lamar** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/890.673 - 20/02/2007** **2. (US) 60/890.666 - 20/02/2007** **3. (PCT/US2008/054190) – 16/02/2008**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**AN ANTIMICROBIAL CERAMIC GLAZING COMPOSITION**
	Patent Period Started From 16/02/2008 and Will end on 15/02/2028

(57) An antimicrobial ceramic glazing composition contains one or more antimicrobial agents disposed therein. Methods for making and using the glazing composition are disclosed, as well as substrates having a fired antimicrobial glaze thereon. The antimicrobial agents comprise metallic oxides, with a subset of the disclosed combinations exhibiting synergistic effect in fired glazes.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/07/2010** **1156/2010** **August 2012** **21/01/2013** **26071**

(51)	**Int. Cl. [8] F03B 13/10, 3/12 & F01D 5/04, 1/22**
(71)	**1. REYNOLDS, RICHARD ARTHUR HENRY (AUSTRALIA)** **2.** **3.**
(72)	**1. REYNOLDS, Richard Arthur Henry** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (AU) 2008900080 – 08/01/2008** **2. (PCT/AU2009/000010) – 06/01/2009** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) TURBINE ASSEMBLY

Patent Period Started From 06/01/2009 and Will end on 05/01/2029

(57) A turbine assembly comprising a blade assembly having a plurality of curved blades with an inner end of each of the curved blades terminating at a cavity. The cavity has an open side with a generator located within the cavity and coupled to the blade assembly. The turbine assembly is suitable for underwater use. Multiple turbine assemblies may be connected to form a power generation station.

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)**	**09/08/2009** **1195/2009** **October 2012** **23/01/2013** **26072**

(51)	**Int. Cl. [8] F04F 5/24**
(71)	**1. MAHMOUD ABDUL LATIF MAHMOUD MOHAMED (EGYPT)** **2.** **3.**
(72)	**1. MAHMOUD ABDUL LATIF MAHMOUD MOHAMED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**A SET WITH ONE TUBE FOR CHARGE AND DISCHARGE TANKES WITHOUT FLOAT**
	Patent Period Started From 09/08/2009 and Will end on 08/08/2029

(57) pipe organ and one of the charge and discharge of water tanks without the use of any sources of energy and overcome the problems of weak water pressure during the day and at rush and completely indispensable for all types of pumps.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/10/2010** **1823/2010** **October 2012** **30/01/2013** **26073**

(51)	**Int. Cl. [8] B28D 1/00**
(71)	**1. AROS S.R.L. (ITALY)** **2.** **3.**
(72)	**1. FIORATTI, Stefano** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) (VR2008A000053) – 30/04/2008** **2. (PCT/IB2009/005437) - 30/04/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) A PROCESS FOR REINFORCING BLOCKS OR SLABS OF STONE MATERIAL

Patent Period Started From 30/04/2009 and Will end on 29/04/2029

(57) The present invention relates to a process for reinforcing blocks or slabs of stone material in a quarry, including the cutting and/or perforation of a bench at least three faces of a block to be obtained and its separation from the bench, the process comprising, before or after the separation of the block from its own bench, the operation of applying at least one layer of a polymerizable resinous composition, suitable for acting as a reinforcing and impact damping cover for at least one face of the block.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/02/2010** **0197/2010** **October 2012** **30/01/2013** **26074**

(51)	**Int. Cl. [8] H04W 74/08, 76/02, 88/00**
(71)	**1. TELEFONAKTIBOLAGET 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 02/07/2028

(57) The technology described in this case facilitates random access by a user terminal with a radio base station. A user terminal determines one of a first type of uplink scrambling sequences and generates a random access message using the determined one of the first type of uplink scrambling sequences. The random access message is transmitted to the base station. The user terminal receives from the base station a second, different type of uplink scrambling sequence and uses it for subsequent communication with the radio base station. For example, the first uplink scrambling sequences may be specifically associated with the radio base station"s cell area or a random access radio channel associated with the radio base station, but they are not specifically assigned to any user terminal, and the second uplink scrambling sequence may be selected from a second set of uplink scrambling sequences specifically assignable to individual user terminals.

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)**	**01/03/2009** **0275/2009** **October 2012** **30/01/2013** **26075**

(51)	**Int. Cl. [8] A01N 25/04, 25/02, 51/00, 47/36, 43/84, 43/56 & A01P 1/00, 7/04, 13/00**
(71)	**1. SUMITOMO CHEMICAL COMPANY, LIMITED (JAPAN)** **2.** **3.**
(72)	**1. KOZUKI, Yumiko** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2006-262136 – 27/09/2006** **2. (PCT/JP2007/068911) – 20/09/2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) AGROCHEMICAL COMPOSITION COMPRISING AS SOLVENT A MIXTURE OF AN AROMATIC HYDROCARBON, PROPYLENE GLYCOL DIACETATE, AND 1,3-DIMETHYL-2-IMIDAZOLIDINONE

Patent Period Started From 20/09/2007 and Will end on 19/09/2027

(57) There is provided an emulsion composition useful as a preparation containing an active agrochemical compound. The emulsion composition essentially consisting of 0.5 to 25% by weight of one or a plurality of hydrophobic active agrochemical compounds; 5 to 15% by weight of one or a plurality of surfactants; 2 to 60% by weight of one or a plurality of aromatic hydrocarbon solvents; 2 to 60% by weight of propylene glycol diacetate; 12 to 90% by weight of 1,3-dimethyl-2-imidazolidinone; and 0 to 5% by weight of one or a plurality of formulation auxiliaries, wherein a weight ratio of 1,3-dimethyl-2-imidazolidinone and the aromatic hydrocarbon solvent(s) is 1 : 0.03 to 1 : 2.0, and a weight ratio of 1,3-dimethyl-2-imidazolidinone and propylene glycol diacetate is 1 : 0.03 to 1 : 2.0.

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

GRANTED PATENTS' ABSTRACTS GAZETTE

" PATENTS ISSUED FEBRUARY IN 2013"

Egyptian Patent Office

Issue No 202 **MARCH 2013**

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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Inventor Name	72
Patentee Name	73
Patent Attorney Name	74

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ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
February (2013)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/10/2010** **1691/2010** **October 2012** **03/02/2013** **26076**

(51)	**Int. Cl.** [8] **C03B 9/325**
(71)	**1. OWENS-BROCKWAY GLASS CONTAINER INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. FLYNN, Robin L** **2. LEWIS, David L** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/080,974 – 08./04/2008** **2. (PCT/US2009/039845) – 08/04/2009** **3.**
(74)	**SHADY FAROUK MUBARAK**
(12)	**Patent**

(54) NECK RING AND METHOD OF MAKING FOR A GLASS CONTAINER FORMING MACHINE

Patent Period Started From 08/04/2009 and Will end on 07/04/2029

(57) A neck ring for molding a glass container neck finish that includes at least one closure attachment feature. The neck ring includes two semi-annular bi-metal neck ring sections, each consisting essentially of a neck ring insert of wear- resistant metal construction and a neck ring body of heat-conductive metal construction different from said wear-resistant metal construction and formed around said neck ring insert so as to embed it in said neck ring body. Each of said neck ring halves has a glass-contacting cavity face that includes a first surface portion formed by said inserts for molding the at least one closure attachment feature on the neck finish and a second surface portion formed by said bodies for molding portions of the neck finish excluding the at least one closure attachment feature.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/01/2010** **0112/2010** **October 2012** **03/02/2013** **26077**

(51)	**Int. Cl. [8] B32B 27/00 & A01G 13/02**
(71)	**1. BAYER INNOVATION GMBH (GERMANY)** **2.** **3.**
(72)	**1. DUJARDIN, Ralf** **2. SCHMUCK, Arno** **3. STREITEBERGER, Almuth**
(73)	**1.** **2.**
(30)	**1. (US) 60/951,016 – 20/07/2007** **2. (US) 60/956,755 – 20/08/2007** **3. (PCT/EP2008/005545) – 08/07/2008**
(74)	**SHADY FAROUK MUBARAK**
(12)	**Patent**

(54)	**POLYMER COMPOSITE FILM WITH BARRIER FUNCTIONALITY**
	Patent Period Started From 08/07/2008 and Will end on 07/07/2028

(57) Polymer composite material with barrier functionality, in particular for the use in fumigation methods, comprising at least one base polymer compound and at least one barrier functional layer, wherein the barrier functional layer comprises at least one binder that is cross-linkable and after cross-linking capable of water absorbing and gel-forming.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/12/2008** **2008/2008** **August 2012** **04/02/2013** **26078**

(51)	**Int. Cl.** [8] **D21C 9/00 & C08B 1/00**
(71)	**1. SAPPI MANUFACTURING (PTY) LTY (SOUTH AFRICA)** **2.** **3.**
(72)	**1. WEIGHTMAN, Derek Andrew** **2. FISCHER, Habil, Klaus** **3. MOBIUS, Heinzhorst**
(73)	**1.** **2.**
(30)	**1. (ZA) 2006/04915 – 14/06/2006** **2. (PCT/IB2007/052212) – 12/06/2007** **3.**
(74)	**M. RAGAII EL DEKKI**
(12)	**Patent**

(54)	**PULP REACTIVITY ENHANCEMENT**
	Patent Period Started From 12/06/2007 and Will end on 11/06/2027

(57) This invention relates to pulp reactivity enhancement. In particular, the invention relates to a method of producing an alkali cellulose which includes steps of providing a pulp and subjecting the pulp to an alkaline treatment to produce the alkali cellulose in the presence of a spacer capable of entering the holes in the interfibrillar spaces of the cellulose fibres. The spacer enters the holes in the interfibrillar spaces of the cellulose fibres, particularly those created by the removal of hemi-cellulose, reducing the tendency for collapse to occur, for example during the subsequent pressing step. Examples of suitable spacers are polyethylene glycols, polyvinyl alcohols and polyacrylates.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/06/2008** **1081/2008** **November 2012** **05/02/2013** **26079**

(51)	**Int. Cl.[8] A23L 1/30, 121/00 & A61K 36/185**
(71)	**1. NADIA ABD EL MEGIED ABOU ZEID (EGYPT)** **2.** **3.**
(72)	**1. NADIA ABD EL MEGIED ABOU ZEID** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**METHOD FOR EXTRACT FLAVONOIDS OF KARKADEH AS PRESERVATIVE FROM DETERIORATION**
	Patent Period Started From 23/06/2008 and Will end on 22/06/2028

(57) This invention concerns the method of Flavonoids extract Karkadeh as preservation against chemical putridity the steps were as follws : Defated using petroleum ethe (40-60) . Flavonoids were then extracted using ethyl alcohol at 90% at 75%c . In soxhlet apparatus for 2h with the ratio of raw materials to ethanol solution of 1:8 . The residue was taken after ethanol had been evaporated with 100 ml hot water cool at 5c for 48 hours filter and get rid of the precipitated resin . The filtrate was shaken with four successive portion of ethyl acetate in separate final . The ethyl acetate extracts were taken and put together . The residue after ethyl acetate evaporated were taken in 10 ml . ethanol and leaving to stand for several days , the crystalline deposit of flavonoids was washed and kept in 1 ml ethanol . Results showed that flavonoid extract at concentration of > 0,06% was the best concentration for retarding fat oxidative rancidity.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/02/2009** **0156/2009** **October 2012** **03/02/2012** **26080**

(51)	**Int. Cl.** [8] **H04L 29/06**
(71)	**1. JPS COMMUNICATIONS, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. HALL, Douglas** **2. FLOYD, Daniel** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/835,567 – 04/08/2006** **2. (PCT/US2007/017367) – 03/08/2007** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54)	**METHOD AND APPARATUSES FOR SQUELCH BREAK SIGNALING DEVICE TO PROVIDE SESSION INITIATION PROTOCOL**
	Patent Period Started From 03/08/2007 and Will end on 02/08/2027

(57) A squelch break signaling device includes a carrier operated relay cadence timer to set a time limit and a carrier operated relay counter to count the number of times a carrier operated relay transitions from inactive to active and back to inactive within the time limit to provide a session initiation protocol activate signal from the squelch break signaling device when the count of the carrier operated relay counter matches a predetermined number.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22) 15/07/2010** **(21) 1190/2010** **(44) October 2012** **(45) 06/02/2013** **(11) 26081**

(51)	**Int. Cl.[8] A47L 11/34,13/26 & B05B 7/06,7/08,3/02**	
(71)	**1. UNILEVER PLC (UNITED KINGDOM)** **2.** **3.**	
(72)	**1. JAYARMAN، Suresh, S** **2. KAMKAR, Kirtan** **3. KUMAR, Lalit**	**4. SAH, Amit** **5. SHRESTH, Rudra**
(73)	**1.** **2.**	
(30)	**1. (IN) 0373/MUM/2008 – 21/02/2008** **2. (PCT/EP2009/050869) - 27/01/2009** **3.**	
(74)	**HODA AHMED ABD EL HADI**	
(12)	**Patent**	

A PROCESS AND A DEVICE TO CLEAN SUBSTRATES

Patent Period Started From 27/01/2009 and Will end on 26/01/2029

(57) In particular a porous substrate (FS) like a fabric. Process to clean a substrate, comprising a step of subjecting the substrate to an air-water spray (SPR), generated using a spraying means (N) comprising an air passage (OPA) and a water passage (OPW), wherein air is greater than 90% by volume of the spray, the air velocity is greater than 80 m/s and wherein said air passage does not coaxially surround said water passage. Device to clean soiled fabric (FS) comprising a feed water container (CW) and an air compressor (AC) in fluid communication with a spray nozzle (N) comprising an air passage and a water passage, said device being capable of generating an air pressure in the range of 1 to 3 bar (absolute) and an air velocity greater than 80 m/s at the exit of said nozzle; and the air is greater than 90 % volume of said spray, and wherein said air passage does not coaxially surround said water passage. An external mix spray nozzle is especially preferred in the 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)**	**07/11/2010** **1872/2010** **October 2012** **06/02/2013** **26082**

(51)	**Int. Cl.[8] A47J 31/30**
(71)	**1. BRIZIO, Adriana (SWITZERLAND)** **2.** **3.**
(72)	**1. BRIZIO, Adriana** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/EP2008/062511) – 19/09/2008** **2.** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54) CAN FOR THE EXTEMPORANEOUS PREPARATION OF BEVERAGES BY EXTRACTION AND/OR INFUSION, PROVIDED WITH A SAFETY LID

Patent Period Started From 19/09/2008 and Will end on 18/09/2028

(57) The can for the extemporaneous preparation of beverages by extraction and/or infusion comprises a first chamber intended to collect the final beverage, a second chamber containing a drinkable liquid and a filtering device containing a substance able to produce the required beverage by extraction and/or infusion. The can is foreseen to be put onto a heating source after opening the can lid and operating the filtering device by the user. The lid comprises: an outer rim portion intended to remain fixed to the can lateral wall when opening the can; an inner removable portion intended to be ripped in order to open the can; and a predetermined breaking line separating said inner removable portion from said outer rim portion. The breaking line is provided in an annular portion forming part of the lid and made of plastic material. The outer part of the annular portion is part of the outer rim portion while the inner part thereof is part of the inner removable 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)**	**29/09/2010** **1641/2010** **October 2012** **07/02/2013** **26083**

(51)	**Int. Cl.[8] B41M 5/00 , 7/00 & B42D 15/00 , 15/10 & G06K 7/10 & G06Q 10/00 & G07D 7/12**	
(71)	**1. SICPA HOLDING SA (SWITZERLAND)** **2.** **3.**	
(72)	**1. MARGUERETTAZ, Xavier** **2. GREMAUD, Frédéric** **3. COMMEUREUC, Aurélien**	**4. ABOUTANOS, Vickie** **5. TILLER, Thomas** **6. ROZUMEK, Olivier**
(73)	**1.** **2.**	
(30)	**1. (PCT/IB2008/000785) – 02/04/2008** **2. (PCT/EP2009/002435) – 02/04/2009** **3.**	
(74)	**HODA ANIS SERAG EL DEEN**	
(12)	**Patent**	

(54) IDENTIFICATION AND AUTHENTICATION USING LIQUID CRYSTAL MATERIAL MARKINGS

Patent Period Started From 02/04/2009 and Will end on 01/04/2029

(57) The present invention relates to a marking of polymeric liquid crystal material having determined optical characteristics allowing its authentication and reading by a machine and its authentication by the human eye. The marking is applied onto an item, good or article by a variable information printing process. The marking is in the form of indicia representing a unique code which allows for an easy authentication by the human eye and a secure tracking and tracing of the marked item, good or article throughout its life 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)**	**03/10/2010** **1661/2010** **October 2012** **11/02/2013** **26084**

(51)	**Int. Cl.[8] C10B 15/00**
(71)	**1. UHDE GMBH (GERMANY)** **2.** **3.**
(72)	**1. SCHUCKER, Franz-Josef** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102008017611.7 – 04/04/2008** **2. (PCT/EP2007/001753) – 12/03/2009** **3.**
(74)	**SOHEIR M. REZK**
(12)	**Patent**

(54) COKING PLANT COMPRISING TWO OVEN CHAMBER ROWS ARRANGED IN PARALLEL

Patent Period Started From 12/03/2009 and Will end on 11/03/2029

(57) The invention relates to a plant for coking coal, operated particularly according to the non-recovery or heat-recovery method. The coking plant comprises a first oven chamber row of a plurality of oven chambers disposed in a row, all comprising an identical width and an identical tolerance spacing, and a second oven chamber row of oven chambers disposed parallel to the first oven chamber row, the number, width, and spacing thereof corresponding to those of the first oven chamber row, wherein the coal inlet openings of all oven chambers face toward an intermediate space between the two oven chamber rows. The plant also comprises at least one device for tending the oven chambers that can travel in the intermediate space between the two oven chamber rows on a track body disposed parallel to the oven chambers. According to the invention, the two oven chamber rows are offset from each other in the longitudinal axis, wherein the longitudinal offset is greater than the width of one oven chamber. The device for tending the oven chambers is made up of individual tending machines forming a machine group and connected to each other by an adjustable-length coupling, wherein the tending machines are aligned opposite each other so that each oven chamber row is associated with the same number of tending machines of the machine group.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/05/2007** **PCT/NA2007/000452** **November 2012** **12/02/2013** **26085**

(51)	**Int. Cl.[8] A24B 15/18**
(71)	**1. VALADI - MAHMOOD (SWEDEN)** **2.** **3.**
(72)	**1. VALADI - MAHMOOD** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (SE) 0402764-5 – 11/11/2004** **2. (SE) (PCT/SE2005/000984) – 21/06/2005** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54)	**SMOKELESS CIGARETTE**
	Patent Period Started From 21/06/2005 and Will end on 20/06/2025

(57) A smokeless cigarette for e.g. anti-smoke purposes includes a part that can deliver or distribute nicotine to the skin of a user. The cigarette includes a mouthpiece part having an inner porous body permeable to air, designed substantially as a filter of a filter cigarette. The front part that corresponds to the tobacco part of a filter cigarette can be made to include an inner portion of for example an air permeable material impregnated with a fragrant or refreshing substance. The inner bodies are secured to each other by and surrounded by a surface layer of a material that in a region in the mouthpiece part is impregnated with nicotine. The surface layer can have perforations in its area adjacent to the front part in the case where the inner portion of the front part of the cigarette is not permeable to air. Before use, the whole cigarette is enclosed by a thin protective film that has to be removed before use. By the impregnation with nicotine, the nicotine can when using the cigarette, in the contact with a user's skin, penetrate the skin into the blood and hence give stimulation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/06/2009** **0920/2009** **November 2012** **12/02/2013** **26086**

(51)	**Int. Cl. [8] H04Q 7/38 & H04B 1/16**
(71)	**1. TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) (SWEDEN)** **2.** **3.**
(72)	**1. KAZMI, Muhammad** **2. HASSELGREN, Joakim** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 0602769-2 – 19/12/2006** **2. (PCT/SE2007/050961) – 07/12/2007** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54)	**HANDLING OF IDLE GAP COMMANDS IN A TELECOMMUNICATION SYSYTEM**
	Patent Period Started From 07/12/2007 and Will end on 06/12/2027

(57) The invention relates to methods and arrangements for the re/iability handling of idle gap commands received in a unit of a mobile telecommunication system. A user equipment located in a cell of a mobile telecommunication network receives signalling gap commands used to activate or deactivate idle gaps for downlink measurements in the neighbour cells. It is determined whether the received gap command is reliable or not. Downlink measurements are then performed in accordance with a predefined rule in case the received gap command is determined as unreliable.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/12/2009** **1744/2009** **November 2012** **12/02/2013** **26087**

(51)	**Int. Cl. [8] D21F 11/14 , 5/20**
(71)	**1. HAYAT KIMYA SANAYI ANONIM SIRKETI (TURCKY)** **2.** **3.**
(72)	**1. ISIKLAR, Ahmet Nezir** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. () 007/03816 – 04/06/2007** **2. (PCT/IB2008/051542) – 22/04/2008** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) A COGENERATION APPLICATION IN PRODUCING SANITARY PAPER

Patent Period Started From 22/04/2008 and Will end on 21/04/2028

(57) The objective of the present invention is to realize a sanitary paper production method which eliminates problems that originate from the mains power supply and cause disruption in production, while enabling energy conservation in sanitary paper production. For this purpose, a sanitary paper production method is realized wherein electricity is produced from combustion gases by means of a turbine, the hot combustion gases emanating from the turbine are utilized by being used in drying of sanitary paper and the gases emanating from sanitary paper drying process are cooled with an absorption chiller, and thus a solution has been provided to the problem.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/04/2010** **0528/2010** **October 2012** **12/02/2013** **26088**

(51)	**Int. Cl.** [8] **B65D 85/00 , 88/16**
(71)	**1. BITUMEN APPLIED RESEARCH LIMITED (MALTA)** **2.** **3.**
(72)	**1. Kreger, Michael** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (AT) A1555/2007 – 02/10/2007** **2. (PCT/AT2008/000350) – 30/09/2008** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54)	**LARGE-VOLUME PACKING CONTAINER FOR BITUMEN**
	Patent Period Started From 30/09/2008 and Will end on 29/09/2028

(57) The invention relates to a large-volume packing container for bitumen, the container being made of flexible material and having approximately a truncated pyramid-like basic shape prior to filling, wherein the container is closed at the top by a cover wall extending parallel to the bottom surface and having a preferably central fill opening. In order to achieve self-stabilization during filling, or stability during storage, in the temperature range from 100? to 110?C the woven fabric forming the walls has a stretching capacity of 10 - 25%, preferably 15 - 20%, in the direction of the warp and weft, wherein stabilizing means, such as pleats, seams, strips or the like are drawn or sewn into the lower region of the fabric panels forming the lateral walls in order to stabilize the woven fabric to forces occurring obliquely to the warp and weft.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/08/2009** **1246/2009** **November 2012** **13/02/2013** **26089**

(51)	**Int. Cl.** [8] **F04D 25/ 08 , 29 / 26**
(71)	**1. ABDALLAH MOHAMMED MOSELHY WAHBAN (EGYPT)** **2.** **3.**
(72)	**1. ABDALLAH MOHAMMED MOSELHY WAHBAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**INTELLIGENT VENTILATING FANS**
	Patent Period Started From 18/08/2009 and Will end on 17/08/2029

(57) The intelligent ventilating fans it is a ventilating fans ventilate the air and repurind it to a natural air again and this air is caring an active oxygen which have the ability to kill bacteria and expansion pulmonary and this air be pumped again from the same ventilating fans and this purification process done by throwing the air on chamber contain 4 filters and its filters able to be changing easily so we don't have to make any hole to but the ventilating fans and we can move it easily.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/12/2010** **2135/2010** **September 2012** **13/02/2013** **26090**

(51)	**Int. Cl.** [8] **E03D 3/10, 5/09**
(71)	**1. MOHAMED YOUSSEF GAAFAR (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED YOUSSEF GAAFAR** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**NEW EFFICIENT AND LONG LASTING DESIGN FOR ACTUATING FLUSHING MECHANISMS USING AIR PRESSURIZING BUTTON**
	Patent Period Started From 15/12/2010 and Will end on 14/12/2030

(57) This invention relates to a new mechanism for actuating the flushing mechanism of toilet flushing boxes. This mechanism is suitable for all designs of available flushing boxes including those with top opening for using a lever side opening for using a handle or front opening for using a push-button. It's is also suitable for all sizes of flushing boxes in terms of height width and length of the box. This mechanism is also superior in terms of durability as the design of its parts does not include materials that can weaken due to the humid working 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)**	**08/11/2010** **1890/2010** **November 2012** **13/02/2013** **26091**

(51)	**Int. Cl.** [8] **A01M 1/20, 1/10, 1/14, 1/02**	
(71)	**1. HENKEL CONSUMER GOODS INC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. PARKER, Christie** **2. DE LAME, Frederique, M.** **3. WALLIS, Judith, A.**	**4. SEAGER, Richard**
(73)	**1.** **2.**	
(30)	**1. (PCT/US2008/005897) – 08/05/2008** **2.** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) CRAWLING INSECT BAIT STATION WITH INTERNAL BAIT RESERVOIR SEAL AND SIMULTANEOUSLY ADJUSTABLE INSECT ACCESS PORT AND CRAWLSPACE DIMENSIONS

Patent Period Started From 08/05/2008 and Will end on 07/05/2028

(57) A fully adjustable crawling insect bait station is provided that is sealable for use with liquid gel or solid baits, and wherein movement of a cap relative to a base portion simultaneously dimensions both the insect access port (s) and an internal crawlspace at the top of the inner reservoir wall to a selected size for particular insects. The bait station of the present invention is distinct and significantly improved over prior bait stations in that there is no antechamber between the insect access port (s) and the inner bait reservoir where crawling insects may unproductively congregate. Once insects enter the bait station of the present invention they encounter a sloped access means that leads them directly over the inner reservoir wall to the poisoned bait.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/01/2008** **0074/2008** **September 2012** **13/02/2013** **26092**

(51)	**Int. Cl.[8] G10K 11/16**
(71)	**1. MICROSOFT CORPORATION (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MEHROTRA, Sanjeev** **2. CHEN, Wei-Ge** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 11/183,087 – 15/07/2005** **2. (PCT/US2006/027420) – 14/07/2006** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) A DEVICE AND METHOD FOR ENCODING AND DECODING AN AUDIO SIGNAL

Patent Period Started From 14/07/2006 and Will end on 13/07/2026

(57) A method for an audio Signal processing device to encode audio , method comprising transforming an input block of an audio sibnal into spectral data , wherein the spectral data has a baseband portion and an extended portion , coding the baseband portion of the spectral ata into an output bitstream , in the extended band portion of the spectral data , determining characterstics of spectral data , altering an initial configuraton by which the extended band portion of the spectral data is segmented into a plurality of sub-bands based on the determined characteristics , coding the altered configuration of sub-bands compeising data indicating individual sub-bands in the extended band altered from the intial configuration.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/04/2008** **0601/2008** **November 2012** **13/02/2013** **26093**

(51)	**Int. Cl. [8] C12N 15/63, 15/82, 15/87, 15/90 & A01N 1/00, 5/00, 5/10**	
(71)	**1. MONSANTO TECHNOLOGY, LLC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. ALLEN, Edwards** **2. GILBERTSON, Larry, A.** **3. HOUMARD, Nancy, M.**	**4. HUANG, Shihshieh** **5. IVASHUTA, Sergey, I.** **6. ROBERTS, James, K.**
(73)	**1.** **2.**	
(30)	**1. (US) 60/726,106 – 13/10/2005** **2. (US) 60/836,246 – 07/08/2006** **3. (PCT/US2006/036847) – 20/09/2006**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) METHODS FOR PRODUCING HYBRID SEED

Patent Period Started From 20/09/2006 and Will end on 19/09/2026

(57) This invention provides methods for producing a non-natural hybrid seed. Also disclosed are specific miRNAs and miRNA recognition sites useful for conferring inducible sterility on a crop plant, and recombinant DNA construct including such exogenous miRNA recognition sites.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/07/2010** **1204/2010** **November 2012** **13/02/2013** **26094**

(51)	**Int. Cl. [8] B65D 1/02**
(71)	**1. DR. SAFAA MAHMOUD ISSA (EGYPT)** **2.** **3.**
(72)	**1. DR. SAFAA MAHMOUD ISSA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**UTILITY MODEL**
(12)	**Patent**

(54)	**NEW DESIGN TO FACILITATE THE USE OF BIG WATER BOTTLES**
	Patent Period Started From 15/07/2010 and Will end on 14/07/2017

(57) The new idea is: As there has been an increase in demand to use bottled water and as big bottles constitute a difficulty for women and people suffering from arm weakness there has been a need to change the design of these big bottles. The idea of this design was in response to this need and includes the following: Description: Providing a side opening located in the lower bottle third part. Designing the bottle with a round curvature surrounding this opening. The opening needs to have a round side that allows the cover to fit the opening. The opening sides could be inserted into the bottle or pulled out of it. The side opening cover allows piercing the membrane covering the opening and regulates the rush of water out of the bottle. The cover should be in line with the bottle body and should not stick out of it as this could be a stacking or packing impediment. Manufacturing: The design requires a mold for providing the bottle with the curvature and the top and side opening. (Chosen Materials for bottles: Such bottles could be plastic made.

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** **0961/2011** **November 2012** **14/02/2013** **26095**

(51)	**Int. Cl.[8] F24F 6/16 & B05B 17/00 , 3/08**
(71)	**1. ROAIR PTY. LTD (AUSTRALIA)** **2.** **3.**
(72)	**1. KAZEM,Rondney** **2. KAZEM,Kaher** **3.**
(73)	**1.** **2.**
(30)	**1. (AU) 2009901013 – 10/03/2009** **2. (PCT/AU2010/000236) – 02/03/2010** **3.**
(74)	**WAGDY NABEH AZIZ**
(12)	**Patent**

(54)	**A ROTARY ATOMIZER OR MISTER**
	Patent Period Started From 02/03/2010 and Will end on 01/03/2030

(57) A rotary atomizer comprises of two main parts, a rotatable body and stationary body, wherein the rotatable body preferably consists of a cylinder or drum for propelling water outwardly and number of atomizing parts not indicated, consisting of generally concentrically arranged atomizing rings and/or vanes for impinging and atomizing the propelled water droplets and also for generating a radial air flow. The stationary body preferably comprises of a number of atomizing parts, optionally of concentrically arranged atomizing vanes also for impinging and atomizing propelled water droplets. The stationary and rotatable bodies are assembled together about an axis of rotation and the sizing, spacing and diameters of each of the concentric impingement and atomizing parts arranged to prevent contact between the rotatable and stationary bodies and such that when moving radially outward from the centre, consecutive rotating impingement and atomizing parts are separated by a stationary impingement and atomizing part, thereby causing radially directed water droplets to be impinged by the successive rotating and stationary concentrically arranged impingement and atomizing parts.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/03/2010** **0380/2010** **November 2012** **14/02/2013** **26096**

(51)	**Int. Cl. [8] G09B21/ 02**
(71)	**1. AYMAN MOHAMAD EZ EL DEIN MOHMOUD FAHMEY (EGYPT)** **2.** **3.**
(72)	**1. AYMAN MOHAMAD EZ EL DEIN MOHMOUD FAHMEY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**THE BLIND CAN WRITE BY A PEN AND READ WITH SENSE OF TOUCH: ALL LANGUAGES**
	Patent Period Started From and Will end on

(57) In this paper the researcher made the invented method through the communication between the blind and the fully sighted In the community. This method consists of invented medium and program training through that which blind people can read and write languages: Arabic, English, music and draw in the same way normal visually people do. He can write by a normal pen and read with sense of touch. The researcher gave a dilated explanation of every part of his medium and how each part is used.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/05/2009** **0627/2009** **November 2012** **28/02/2013** **26097**

(51)	**Int. Cl.** [8] **A47F/O/06&A47L15/24**
(71)	**1. MOHAMED AHMED FARAG YEHEA (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED AHMED FARAG YEHEA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**AN APPARATUS FOR AUTOMATICALLY INSERTING THE SOAP POWDER INTO THE WASHING MACHINES**
	Patent Period Started From 03/05/2009 and Will end on 02/05/2029

(57) It is abox made of stanles steal 22cm*25cm inside it atube 7cm long 10cm dimater .it has pasted in astanles tube 14cm long 6cm dimater. There is beneath the tin ahole ,it has on it clomed to allow water to inter to the set. Special electric box 25cm *6cm inside it "control panel" It has output of cloned and asensor output and alarm out 220 v allowing on trans . outside key to turn on or off There are 3 sign lights (red , green , yellow) to prove that the set turn on or off.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/02/2010** **0208/2010** **October 2012** **17/02/2013** **26098**

(51)	**Int. Cl.** [8] **B65D 83/00**
(71)	**1. HUHTAMAKI INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ROBERTSON, Ronald** **2. SCHNEIDER, Wayne** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 11/836,555 – 09/08/2007** **2. (PCT/US2008/067639) – 20/06/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DISPENSER FOR VISCOUS CONDIMENTS

Patent Period Started From 20/06/2008 and Will end on 19/06/2028

(57) A dispensing cartridge for viscous condiments comprising: a generally tubular housing including a sidewall having opposite ffrst and second end portions and including an intunied flange generally normal to said sidewall adjacent said first end portion, said flange defining a first opening; a valve assembly secured to said housing, said valve assembly positioned in an overlying relationship to said first opening and including a support member with an outer edge and a perforate member with at least one dispensing opening; a bead of hot melt adhesive for sealing said support member outer edge; and a first closure member removably secured to said valve assembly in overlying relationship to said dispensing opening, said first closure member including a folded tab 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)**	**24/01/2011** **0149/2011** **October 2012** **17/02/2013** **26099**

(51)	**Int. Cl. [8] H04B 7/26 & H04L 27/26**	
(71)	**1. LG ELECTRONICS INC. (KORIA)** **2.** **3.**	
(72)	**1. LEE, Moon II** **2. HAN, Seung Hee** **3. KO, Hyun Soo**	**4. CHUNG, Jae Hoon** **5. KIM, So Yeon**
(73)	**1.** **2.**	
(30)	**1. (US) 61/084,992 – 30/07/2008** **2. (US) 61/226,267 – 16/07/2009** **3. (KR) 10-2008-0099671 – 10/10/2008** **(PCT/KR 2009/004262) - 30/07/2009**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) METHOD AND APPARATUS OF RECEIVING DATA IN WIRELESS COMMUNICATION SYSTEM

Patent Period Started From 30/07/2009 and Will end on 29/07/2029

(57) A method and an apparatus of receiving data in a wireless communication system. The method includes receiving a downlink (DL) grant on a physical downlink control channel (PDCCH) through a first DL component carrier (CC), and receiving data based on the DL grant through a second DL CC.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/06/2007** **PCT/NA2007/000556** **November 2012** **17/02/2013** **26100**

(51)	**Int. Cl. [8] C07C 273/04**
(71)	**1. DSM IP ASSETS B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. MENNEN, Johannes, Henricus** **2.** **3.**
(73)	**1. STAMICARBON B.V (NETHERLANDS)** **2.**
(30)	**1. (NL) 1027697 – 09/12/2004** **2. (PCT/EP2005/012201) – 11/11/2005** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) UNIT TO INCREASE THE PRODUCTIVITY OF THE UREA

Patent Period Started From 11/11/2005 and Will end on 10/11/2025

(57) The invention relates to a process for increasing the capacity of an existing urea process comprising, in the high-pressure section of the process, a reactor in which carbon dioxide and ammonia react to form urea, a thermal stripper in which the process stream from the reactor is stripped by supplying heat or an ammonia stripper in which the process stream from the reactor is stripped by supplying heat with the aid of ammonia as stripping gas and a condenser in which the stripping gases are condensed, whereupon the condensate formed is returned to the reactor, in which process the N/C ratio in the reactor is between 2.8 and 3.3 mol/mol, the pressure in the high-pressure section of the process is between 13.5 and 16.0 Mpa, at least a portion of the process stream from the reactor is stripped in a CO2 stripper in which the process stream from the reactor is stripped by supplying heat and with the aid of carbon dioxide as stripping gas and the condensing capacity in the high-pressure section of the process is increased.

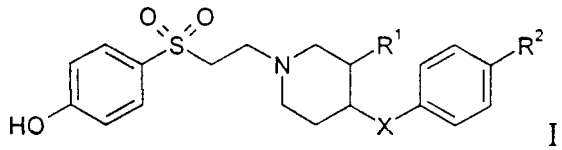
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	**EG**	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/06/2000** **0739/2000** **October 2012** **17/02/2013** **26101**

(51)	**Int. Cl.** [8] **C07D 211/30, 211/46**	
(71)	**1. F. HOFFMANN-LA ROCHE AG (SWITZERLAND)** **2.** **3.**	
(72)	**1. ALANINE, Alexander** **2. BURNER, Serge** **3. BUETTELMANN, Bernd** **4. HEITZ NEIDHART, Marie-Paule**	**5. JAESCHKE, Georg** **6. PINARD, Emmanuel** **7. WYLER, René**
(73)	**1.** **2.**	
(30)	**1. (EP) 99111126 – 08/06/1999** **2.** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) ETHANESULFONYL-PIPERIDINE DERIVATIVES

Patent Period Started From granting date and Will end on 04/06/2020

(57) The invention relates to compounds of the general formula



I

Wherin
R signify hydrogen or hydroxy
R_2 signify hydrogen or methyi and
x signify o-or-CH_2 -:
and theri pharmaceutically acceptable acid addition salts it has ben show that these compounds have a good affitiy to the NMDA receptor and they are thereof useful in the treatment of disases wherein the thereaputic indications include acute forms of neurodegenearation caused e.g stroke or brain trauma chronic forms of neurdegeneration such as alzheimer,s disease parkinson,s disas huntingor ,s disease or ALS (amyothrophic lateral sclerosis) neurdegeneration associated with baccterial or viral infections and diseases such as schizophreina anxiety depression and chronic acute pain .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/03/2008** **0490/2008** **October 2012** **18/02/2013** **26102**

(51)	**Int. Cl.** [8] **G07F 9/06**
(71)	**1. THALES (FRANCE)** **2.** **3.**
(72)	**1. LEBEAU, Christophe** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 0509775 – 23/09/2005** **2. (PCT/EP2006/066646) – 22/09/2006** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) SAFE DEVICE FOR COLLECTING COINS AND SAFE METHOD FOR TRANSFERRING AND EMPTYING COIN BOXES

Patent Period Started From 22/09/2006 and Will end on 21/09/2026

(57) The invention concerns a safe device for collecting coins , comprising a support for receiving a coins boxes including a hatch controlled by an internal mechanism. The coins box compises : locking means to enable it to be introduce into and withdrawn from the support : locking means to enable the hatch with internal machanism to be opened . The internal mechanism acts on the hatch : by opening it whenthe locking means enables same and whe the coin box is introduced into the support ; and by maintainig closed otherwise . The invention also concerns a safemethod for emptying coin boxes . The invention is applicable to contact-free transfer coins.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/11/2010** **1926/2010** **September 2012** **18/02/2013** **26103**

(51)	**Int. Cl. [8] F23G 5/027 , 5/50**
(71)	**1. LEON ENGINEERING S.P.A. (SAN MARINO)** **2.** **3.**
(72)	**1. AMADESI, Paolo** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) BO2008A000292 – 14/05/2008** **2. (PCT/IT2009/000208) – 11/05/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) COMBUSTION MATERIAL PROCESS

Patent Period Started From 11/05/2009 and Will end on 10/05/2029

(57) The present invention relates to a process (1) for the combustion of materials (X), comprising the steps of: (a) inserting the preferably compacted materials (X) in a reaction chamber (3) and closing the chamber (3); (b) injecting a flow of combustible gas and a corresponding flow of a comburent gas, which are in the correct stoichiometric ratio to each other, into the reaction chamber (3), so as to activate combustion of the materials (X); (c) continuing the thermochemical reaction of the oxidizable elements, for example carbon, with the oxygen present, without introducing any more gases; (d) injecting comburent gas to feed the thermochemical reactions of the oxidizable elements present in the materials (X), until the increase in temperature stops; (e) opening a throttle valve (5) to expel the gases, while continuing to introduce comburent gas at a substantially constant pressure until all remaining carbon has been oxidized, the strongly bound oxides have been subjected to pyrolysis and the metals present have been oxidized .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/01/2008** **0014/2008** **October 2012** **18/02/2013** **26104**

(51)	**Int. Cl.** [8] **C03B 5/235**
(71)	**1. SAINTGOBAIN GLASS FRANCE (FRANCE)** **2.** **3.**
(72)	**1. LECONTE, JEAN-GERARD.** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 0552202 – 13/07/2005** **2. (PCT/FR2006/050709) – 12/07/2006** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54)	**METHOD FOR GLASS PREPARATION**
	Patent Period Started From 12/07/2006 and Will end on 11/07/2026

(57) The invention concerns a method for preparing glass from raw materials in powder form in a furnace comprising three side walls, a roof, an upstream pinion and at least one air injector associated with a gas or liquid fuel injector, at least one of said injectors being arranged in said side walls, in said roof or in said upstream pinion. Said method includes the following steps: injecting air and gas or liquid fuel through said injectors, at least one flame being generated immediately proximate the zone where said raw materials in powder form cover the glass solution.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/12/2008** **1945/2008** **November 2012** **18/02/2013** **26105**

(51)	**Int. Cl.** [8] **A23L 2/00**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. DR. ABDELAZIZ NADIR SHAHTA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT (NATIONAL RESEARCH CENTER)**
(12)	**Patent**

(54)	**METHOD FOR THE PRODUCTION OF SUGAR CANE JUICE CANE WITH HIGH QUALITY , SAFETY OF HEALTH AND LONGER SHELF LIFE PERIOD**
	Patent Period Started From 01/12/2008 and Will end on 30/11/2028

(57) Method of production of cane juice canned and high quality that take place in several steps begin the legs washed in running water of 3-5

Minutes and cut into pices , each the length of 50 cm and then climb these pieces by means of a steam autoclave where it is under -treated .

Steam heat for 10 minutes at temperature of126 degrees celsius . Then extracted juice by juicer dolphns .

Double the juice and then run the output through a muslin cloth , which is composed of four layers of gauze , then add acid . Citric juice to the resulting concentration of 0,2% is added a well as Mitapay sodium sulphite concertration of 1% . Then packed in juice . Laboratory in sterile glass bottles and potassium sorbat added to it concentration of 1% . To Tthet microbial growth during storage .

Doing so can save and store the sugar cane juice to tranaction prior to the laboratory for six months at a temperature of the room.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/12/2003** **1061/2003** **October 2012** **18/02/2013** **26106**

(51)	**Int. Cl. [8] F16k 31/06**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. KHALED AHMED ALI YEHIA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT (NATIONAL RESEARCH CENTER)**
(12)	**Patent**

(54)	**SOLENOID VALVE**
	Patent Period Started From 03/12/2003 and Will end on 02/12/2023

(57) Solenoid valves are most popular in small sizes around 1/8 inch sizes in different forms and designs. However the large sizes, ½ to 3 inches ones, incorporates diaphragms as their main part. Beyond 3 inches solenoid valves are not used. The proposed design of ½ inch size solenoid valve eliminates the use of the diaphragm, thus a new design for such sizes. The new design concept for considerably large sizes will enable the use of solenoid valves in more applications. Further, it can be developed to obtain process flow valves of sizes beyond 3 inches.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/11/2007** **0597/2007** **November 2012** **18/02/2013** **26107**

(51)	**Int. Cl.[8] C07C 41/03, 43/23, 209/54, 211/04**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. OMAIMA MOHOMED ABD – EL HAFEZ** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT (NATIONAL RESEARCH CENTER)**
(12)	**Patent**

(54)	**METHOD FOR THE PREPARATION OF INDRAL PROPRADDOLOL HYDROCHLORIDE**
	Patent Period Started From 19/11/2007 and Will end on 18/11/2027

(57) This invention leads to creation of a new method "simple, economic and safe " for the preparation of the Indral drug "propranolol Hydrochloride ". This drug is used in the treatment of :Hypertension, cardiac arrhythmia, angina pectoris and prophylaxis of migraine. The new method of reparation of " Propranolol Hydrochloride " depends on the preparation of the Propranolol base in one step by merg the first three steps "prepration of sode. salt of a naphthol-prepration of the epoxy compound - preparation of Propranolol base " in one step and in one pot reaction and in all these steps water is used as the medium of the reaction . The base was transformed to Propranolol Hydrochloride (Indral) by its reaction with HCI gas.

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)**	**13/05/2009** **0707/2009** **October 2012** **19/02/2013** **26108**

(51)	**Int. Cl.** [8] **A61F 13/15 , A61F 13/496 , A61F 13/49**
(71)	**1. UNI-CHARM CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. OTSUBO, Toshifumi** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2006-309655 – 15/11/2006** **2. (PCT/JP2007/070274) - 17/10/2007** **3.**
(74)	
(12)	**Patent**

(54)	**METHOD FOR MANUFACTURING DISPOSABLE UNDERPANTS TYPE DIAPER AND THAT UNDERPANTS TYPE DIAPER**
	Patent Period Started From 17/10/2007 and Will end on 16/10/2027

(57) A method for manufacturing a disposable underpants type diaper provided with a separator for preventing stool from touching the skin. A bending body of a sheet piece for forming a separator is fixed to the inner surface of the front portion or the rear portion in the inseam region of a diaper basic body having the inseam region, the front waist region and the rear waist region. The bending body is obtained by bending the sheet piece along the center line in the first width direction thereby superimposing a first half body and a second half body forming the sheet piece and then bonding the end edges in both half bodies at the central portion in the width direction. In a state where the first width direction center line is brought close to the second width direction center line dividing the diaper basic body into two in the front and back direction, inner surfaces at the front portion or rear portion of the inseam region are superimposed, the outer surface at the opposite side edges of the first half body and the inner surface of the inseam region are joined and the portion between the opposite side edges is separated from the inner surface. Subsequently, the diaper basic body is bent along the second width direction center line, the inner surface of the diaper basic body and the outer surface at the opposite side edges of the second half body are bonded and the portion between the opposite side edges is separated from the inner surface. Inner surfaces at the side edges of the front and rear waist regions of the diaper basic body thus bent are bonded to form the shape of underpants type.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/12/2008** **2000/2008** **November 2012** **19/02/2013** **26109**

(51)	**Int. Cl.** [8] **A41C 3/04**
(71)	**1. UNI-CHARM CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. FUJIKAWA, Michiyo** **2. KAWAKAMI, Hikari** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2006-160342 – 08/06/2006** **2. (PCT/JP2007/058269) – 16/04/2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**ABSORBENT BREAST PAD**
	Patent Period Started From 16/04/2007 and Will end on 15/04/2027

(57) An absorbent breast pad having elastic stretchable members attached to those sides of side flaps of the breast pad that are in contact with the wearer's skin, wherein, in order to avoid the breast pad from causing discomfort to the wearer, the breast pad is adapted so that gathers formed on the stretchable members by their contraction are formed not on the entire portions of the side flaps. Each side flap of the breast pad has a first portion located on the skin contact side and a second portion located on the side not coming into contact with the skin. The elastic stretchable member is installed along the outer edge of the second 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)**	**11/02/2009** **0197/2009** **September 2012** **24/02/2013** **26110**

(51)	**Int. Cl.[8] C04B 35/10 & C04B 35/66**
(71)	**1. REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG (AUSTRIA)** **2.** **3.**
(72)	**1. DJURICIC, Boro** **2. REITERER, Franz** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102006040269.3 – 28/08/2006** **2. (PCT /EP2007/007000) – 08/08/2007** **3.**
(74)	**MOHAMED MOHAMED BAKIR**
(12)	**Patent**

(54)	**FIRED REFRACTORY CERAMIC PRODUCT**
	Patent Period Started From 08/08/2007 and Will end on 07/08/2027

(57) The invention relates to fired , refractory ceramic product . containing at least one of the follwing oxidic materials : Al3O3 , Al2O3-ZrO2 , ZrO2 , mullite , MgO , MgO-Al2O3 , Cr2O3 , MgO-Cr2¬¬O3 , SiO2 , Al2O3-Cr2O3 having an open porosity > _10% by volume and up to 30% by volume and a permeability to gas of < 5 x 10-13 m2, produced from a batch which contains less than 5% by weight of components which form molten phase at an application temperature of up 1,500°C and which , in addition to 50-90 % by weight of fine particulate refractory material with a grain size of d90 <100 μm. Contains 10-50% by weight of coarse particulate refractory material with a grain size of d90 >500 μm , and the proportion of particles with a grain size d90 of between 100-500 μm is limited to < 10% by weight

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)**	**05/11/2007** **PCT/NA2007/001208** **October 2012** **24/02/2013** **26111**

(51)	**Int. Cl. [8] B60C 7/14**
(71)	**1. NEW TECH TIRE LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MOON, Michael** **2. CORN, Morris** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 11/123,808 – 06/05/2005** **2. (PCT/US2006/017893) – 08/05/2006** **3.**
(74)	**AMR IBRAHIM ABDALLAH SALEM**
(12)	**Patent**

(54)	**NON- PNEUMATIC VEHICLE TIRE**
	Patent Period Started From 08/05/2006 and Will end on 07/05/2026

(57) The invention relates to a non- pneumatic tire for a vehicle featuring a body of elastic material and having a circumferentially-extending crown portion featuring a running surface and circumferentially –extending sidewalls joined to the crown portion. The side walls terminate in circumferentially-extending beads which are adapted to engage the rim of a vehicle wheel. A number of radially-extendind and circumferentially-spaced compound-curve springs made of a composite material are at least partially embedded within the crown portion and sidewalls. The curved springs have ends terminating within the beads of the tire body. A circumferentially-extending belt constructed of a high-strength and low stretch material is positioned radially outside of the compound-curved springs.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/06/2011** **1088/2011** **November 2012** **24/02/2013** **26112**

(51)	**Int. Cl.** [8] **A62C 37/40**
(71)	**1. Sang-Sun LEE (SOUTH KOREA)** **2.** **3.**
(72)	**1. Sang-Sun LEE** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (KR) 10-2008-0137836 - 31/12/2008** **2. (KR) 10-2009-0018855 – 05/03/2009** **3. (KR) 10-2009-0035192– 22/04/2009** **(PCT/KR2009/007782) – 24/12/2009**
(74)	**AMR IBRAHIM ABDALLAH SALEM**
(12)	**Patent**

(54)	**SPRINKLER WITH AN INTEGRATED VALVE, AND FIRE-EXTINGUISHING SYSTEM USING SAME**
	Patent Period Started From 24/12/2009 and Will end on 23/12/2029

(57) The present invention relates to a sprinkler with an integrated valve, and to a fire-extinguishing system using same. Conventional sprinklers are too sensitive to the outbreak of a fire, and operate even if no fire has broken out, which would lead to a large amount of damage. For this reason, conventional sprinklers are often prevented from being operated in advance. In addition, sprinklers do not operate even upon the outbreak of a fire when the sensitivities thereof are lowered, rendering the sprinklers useless. The present invention aims to solve the abovementioned problems, and is configured such that a manager in a building checks whether or not a fire has broken out and if so sends an extinguishing signal, and wherein in the event a sensor for operating a sprinkler senses the outbreak of a fire, only the relevant sprinkler operates by means of a valve mounted thereon, thereby operating sprinklers only when a fire has actually broken out, and enabling a central control office, a fire station, or the like to verify the outbreak of a fire in each household at all times. Further, the present invention can be applied to public transportation facilities such that water-sprinkling is carried out after an engine room or a control board in charge of the safety of the passenger cars and outside of the latter verifies the outbreak of a fire, thus still taking advantage of a high-sensitivity of sensor. As the present invention sprinkles water only in the event of an actual fire outbreak, erroneous operation can be prevented, and water can be sprinkled only in the required area, thereby extinguishing the fire in the early stage of a fire outbreak.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/04/2011** **0595/2011** **October 2012** **25/02/2013** **26113**

(51)	**Int. Cl. [8] B01D 39/20**
(71)	**1. UNILEVER PLC (UNITED KINGDOM)** **2.** **3.**
(72)	**1. DAVE, Parthiv, Ripudaman** **2. MUKHERJEE, Debasis** **3. SRIVASTAVA, Madalasa**
(73)	**1.** **2.**
(30)	**1. (IN) 2233/MUM/2008 – 17/10/2008** **2. (PCT/EP2009/062183) – 21/09/2009** **3.**
(74)	**ABD EL HADY FOR INTELLECTUAL PROPERTY**
(12)	**Patent**

(54)	**CARBON BLOCK FILTER**
	Patent Period Started From 21/09/2009 and Will end on 20/09/2029

(57) The present invention relates to a process for making metal impregnated bound Carbon block filters. In particular the present invention to a process for preparing a moulded Carbon block filter impregnated with a metal selected from Silver, Copper or Zinc, with relatively low level of variation in metal content across the blocks, relatively lower deviation from the theoretical metal content, and where the leach-rate of metal from the block during use is relatively low.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/08/2010** **1347/2010** **December 2012** **25/02/2013** **26114**

(51)	**Int. Cl. [8] E03D 5/09 & F16 K 3/00**
(71)	**1. GAMAL MOHAMED ALY ABOU RAYIA (EGYPT)** **2.** **3.**
(72)	**1. GAMAL MOHAMED ALY ABOU RAYIA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) 100% EGYPTIAN TAW HAND WATER MIXER

Patent Period Started From 09/08/2010 and Will end on 08/08/2030

(57) Hand water mixer operates by a taw and caoutchouc. It is made of 100% Egyptian taw material and 100% Egyptian idea it is different from other normal mixers as it operates by a value other than the hand mixer found at markets by a different way. The mixer is operated completely by one value which is the taw an caoutchouc. As for the bathtub mixer there is a value inside the taw to transfer water to the douche and vice versa. This mixer is distinguished by having an indicator to adjust water temperature by a simple method.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/04/2010** **0605/2010** **26115**

(51)	**Int. Cl. [8] C09K 8/528 , 8/54**
(71)	**1. M-I SWACO NORGE AS (Norway)** **2. OILFIELD MINERAL SOLUTIONS LIMITED (United kingdom)** **3.**
(72)	**1. KEATCH, Richard** **2. GUAN, Hua** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/980,040 – 15/10/2007** **2. (US) 61/012,292 – 07/12/2007** **3. (PCT/IB2008/002728)**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD OF ENHANCING ADSORPTION OF AN INHIBITOR ONTO A WELLBORE REGION

Patent Period Started From 15/10/2008 and Will end on 14/10/2028

(57) The instant disclosure is directed to a method of enhancing adsorption of a salt inhibitor onto a wellbore region, wherein the method comprises preconditioning the wellbore region, emplacing the salt inhibitor into the wellbore region, and shutting in the wellbore region for a period of time to at least initiate adsorption of the salt inhibitor onto the wellbore region. The salt inhibitor comprises an at least partially water soluble compound comprising a Group 3 to Group 15 metal and/or an at least partially water soluble compound having any one of the formulae (I) wherein X is O or S; and R1, R2, R3, R4, and when present, R5 and/or R6 each independently comprise an organic or an inorganic functional group.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/02/2008** **D1 2131/2008** **September 2012** **28/02/2013** **26116**

(51)	**Int. Cl. [8] B08B 9/027 , 9/00 & G01N 1/22**
(71)	**1. SIEMENS AKTIENGESELLSCHAFT (GERMANY)** **2.** **3.**
(72)	**1. LÖNNE, Rolf** **2. ELSEN, Jan** **3. ROBERT, Karl**
(73)	**1.** **2.**
(30)	**1. (US) (EP05027687.2) – 16/12/2005** **2. (PCT/EP2006/067791) – 26/10/2006** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) METHOD AND DEVICE FOR CLEANING COMPONENTS OF A POWER STATION BY INJECTION OF A MEDIUM

Patent Period Started From 26/10/2006 and Will end on 25/10/2026

(57) The invention relates to a method for cleaning plant components (2.1.3 , 2.2.3 , 2.3 ,2.4.2 ,4.1a, 4.3a , 4.3b, 4.4 ,4.5a to 4.5c) of a power station (1) , wherein a medium is continuously passed through one or more plant components (2.1.3 , 2.2.3 , 2.3 , 2.4.2 , 4.1a , 4.2 , 4.3a , 4.3b ,4.4 , 4.5a to 4.5c) for cleaning in a closed circuit (K) .

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

GRANTED PATENTS' ABSTRACTS GAZETTE

" PATENTS ISSUED MARCH IN 2013"

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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

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TR	Turkey
TT	Trindad and Topago
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UG	Uganda
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UZ	Uzbekistan
VC	Saint Vincent and the Grenadines

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

ABSTRACTS
FOR
GRANTED PATENTS
March (2013)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/08/2008** **1358/2008** **November 2012** **05/03/2013** **26117**

(51)	**Int. Cl.** [8] **A01K 97/12**
(71)	**1. YASER ABD EL RAZEK EED EL SAYED (EGYPT)** **2.** **3.**
(72)	**1. YASER ABD EL RAZEK EED EL SAYED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**AN ALARM DEVICE FLASHING LIGHT OR AUDIO FOR FISHING BY FISHING HOOK**
	Patent Period Started From 10/08/2008 and Will end on 09/08/2028

(57) The invention is about flashing light or audio alarm that can be used in catching fish with fishhook (fishing rod). It consists of:

• Body.

• An electric circuit (battery / spring (vibration sensor) / conductor/ switch/ flashing lamp or speaker) This system is designed to be used in catching fish with the fish hook either during daylight or at night. It produces a flashing signal (light – audio) when a fish approaches and begins to eat the bait.

This enables the person who is fishing to pull the fishing rod in the right time. The function of the invention: When a fish pulls the bait.

The fishing rod vibrates and the spring inside the system vibrates automatically, then it touches the stripe that completes the electric circuit to the flashing light lamp or the speaker to make the needed alarm either flashing light or audio.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/05/2010** **0806/2010** **September 2012** **05/03/2013** **26118**

(51)	**Int. Cl. [8] C22C 19/07**	
(71)	**1. SAINT-GOBAIN ISOVER (FRANCE)** **2. SAINT-GOBAIN SEVA (FRANCE)** **3.**	
(72)	**1. BERNARD, Jean-Luc** **2. BERTHOD, Patrice** **3. HERICHER, Ludovic**	**4. LIEBAUT, Christophe** **5. MICHON, Sylvain**
(73)	**1.** **2.**	
(30)	**1. (FR) 0759451– 30/11/2007** **2. (PCT/FR2008/052140) – 27/11/2008** **3.**	
(74)	**HODA AHMED ABD EL HADI**	
(12)	**Patent**	

(54) REFRACTORY ALLOY, FIBRE-FORMING PLATE AND METHOD FOR PRODUCING MINERAL WOOL

Patent Period Started From 27/11/2008 and Will end on 26/11/2028

(57) The invention relates to an alloy characterised in that it comprises the following elements, the proportions being expressed in weight percent of the alloy: Cr 23 to 34%, Ti 0.2 to 5%, Ta 0.5 to 7%, C 0.2 to 1.2%, Ni less than 5%, Fe less than 3%, Si less than 1%, Mn less than 0.5%, the balance consisting of cobalt and unavoidable impurities. The invention also relates to an article for producing mineral wool, in particular a fibre-forming plate, made of such an alloy.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/11/2008** **1912/2008** **September 2012** **05/03/2013** **26119**

(51)	**Int. Cl. [8] C12N 15/09**	
(71)	**1. MONSANTO TECHNOLOGY, LLC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. ANDERSON, Heather** **2. DOUGLAS, Jennifer** **3. GROAT, Jeanna** **4. JOHNSON, Scott**	**5. KELLY, Rebecca** **6. KORTE, John** **7. RICE, James**
(73)	**1.** **2.**	
(30)	**1. (US) 60/808,834– 26/05/2006** **2. (PCT/US2007/069662) – 24/05/2007** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) CORN PLANT AND SEED CORRESPONDING TO TRANSGENIC EVENT MON89034 AND METHODS FOR DETECTION AND USE THEREOF

Patent Period Started From 24/05/2007 and Will end on 23/05/2027

(57) The present invention provides a transgenic corn event MON89034, and cells, seeds, and plants comprising DNA diagnostic for the corn event. The invention also provides compositions comprising nucleotide sequences that are diagnostic for said corn event in a sample, methods for detecting the presence of said corn event nucleotide sequences in a sample, probes and primers for use in detecting nucleotide sequences that are diagnostic for the presence of said corn event in a sample, growing the seeds of such corn event into corn plants, and breeding to produce corn plants comprising DNA diagnostic for the corn event.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/06/2008** **0965/2008** **September 2012** **05/03/2013** **26120**

(51)	**Int. Cl. [8] B01J 20/32, 20/287, 20/286**
(71)	**1. AKZO NOBEL N.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. EKEROTH, Johan** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 05112325-5 - 16/12/2005** **2. (PCT/SE2006/050570) – 11/12/2006** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54) SILICA BASED MATERIAL

Patent Period Started From 11/12/2006 and Will end on 10/12/2026

(57) An organo-modified silica based material to be used for making a stationary phase for liquid chromatography comprising a part which is unmodified silica, and a part 5 which is silica comprising organic groups bonded to the silica. A method for preparing an organo-modified silica based material comprising mixing in an aqueous medium a silica based material and an organosilane compound, and reacting the mixture. A stationary phase separation material prepared by functionalising the organo-modified silica based material is 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)**	**25/11/2007** **PCT/NA2007/001292** **September 2012** **05/03/2013** **26121**

(51)	**Int. Cl. [8] C07C 29/151, 29/153, 29/152**
(71)	**1. JOHNSON MATTHEY PLC (UNITED KINGDOM)** **2.** **3.**
(72)	**1. FITZPATRICK, Terence, James** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 0510823.8 – 27/05/2005** **2. (PCT/GB2006/050096) – 09/05/2006** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54)	**METHANOL SYNTHESIS**
	Patent Period Started From 09/05/2006 and Will end on 08/05/2026

(57) process for synthesising methanol is described comprising the steps of; (i) reforming a hydrocarbon feedstock and separating water from the resulting reformed gas mixture to generate a make-up gas comprising hydrogen and carbon oxides, said make-up gas mixture having a stoichiometric number, R, defined by the formula; R = ([H2] - [CO2]) / ([CO2] + [CO]) of less than 2.0, (ii) combining said make up gas with an unreact ed synthesis gas to form a synthesis gas mixture, (iii) passing the synthesis gas mixture at elevated temperature and pressure through a bed of methanol synthesis catalyst to generate a product stream comprising methanol and unreacted synthesis gas, (iv) cooling said product stream to recover a crude methanol stream from said unreacted synthesis gas, (v) removing a portion of said unreacted synthesis gas as a purge gas, and (vi) feeding the remaining unreacted synthesis gas to step (ii), characterized in that hydrogen is recovered from at least a portion of said purge gas and a portion of said make up gas, and the recovered hydrogen is included in the synthesis gas mixture

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/12/2009** **1851/2009** **December 2012** **05/03/2013** **26122**

(51)	**Int. Cl.** [8] **C02F 1/52, 1/50, 1/56, 1/28, 1/42, 101/10**	
(71)	**1. UNILEVER PLC (UNITED KINGDOM)** **2.** **3.**	
(72)	**1. GUPTA, Santosh, Kumar** **2. MAHAPATRA, Samiran** **3. PRAMANIK, Amitava**	**4. SARKAR, Ayan**
(73)	**1.** **2.**	
(30)	**1. (IN) 1355/MUM/2007 – 16/07/2008** **2. (EP) 07115397.7 – 31/08/2007** **3. (PCT/EP2008/058142) – 26/06/2008**	
(74)	**HODA AHMED ABD EL HADI**	
(12)	**Patent**	

(54) WATER PURIFICATION COMPOSITION AND PROCESS

Patent Period Started From 26/06/2008 and Will end on 25/06/2028

(57) The invention relates to a composition and a process for purification of contaminated water, especially for the removal of harmful contaminants like Arsenic in addition to the removal of other harmful microbial contaminants and suspended particulate impurities, to make the water suitable for human consumption. It has been found that a flocculation/disinfection composition which comprises certain double layered hydroxides which contain at least one selected divalent cation and at least one selected trivalent cation provides for enhanced arsenic removal.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/05/2007** **0231/2007** **December 2012** **05/03/2013** **26123**

(51)	**Int. Cl. [8] E21B 34/06**
(71)	**1. PRAD REASEARCH AND DEVELOPMENT N.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. THOMAS Macdougall** **2. DONALD Ross** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/747,001 – 11/05/2006** **2. (US) 11/640,022 – 15/12/2006** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54) DOWNHOLE ELECTRICAL-TO-HYDRAULIC CONVERSION MODULE FOR WELL COMPLETIONS

Patent Period Started From 10/05/2007 and Will end on 09/05/2027

(57) An apparatus that is usable with a well includes an power converter and a controller. The power converter translates electrical power into hydraulic power downhole in the well to generate a first hydraulic signal to cause a downhole tool to transition to a first state and a second hydraulic signal to cause the tool to transition to a different second state. The controller responds to stimuli that are communicated from the surface of the well to cause the actuator to generate one of the first and second hydraulic 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)**	**04/01/2007** **0001/2007** **November 2012** **05/03/2013** **26124**

(51)	**Int. Cl. [8] G09B 3/10**
(71)	**1. KHALED AHMED EMAM (EGYPT)** **2. ASEM SHEREEF AHMED (EGYPT)** **3. MOHAMED HAMDY ALY (EGYPT)** **4. AMRO AHMED EMAM MOHAMED (EGYPT)** **5. AHMED AMRO AHMED EMAM (EGYPT)** **6. MOHMOUD AMRO AHMED EMAM (EGYPT)** **7. MOHAMED AMRO AHMED EMAM (EGYPT)**
(72)	**1. KHALED AHMED EMAM** **2. ASEM SHEREEF AHMED** **3. MOHAMED HAMDY ALY** **4. AMRO AHMED EMAM MOHAMED** **5. AHMED AMRO AHMED EMAM** **6. MOHMOUD AMRO AHMED EMAM** **7. MOHAMED AMRO AHMED EMAM**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**UTILITY MEDEL**

(54) MUSIC DOOR BELL DIRECT ON A/C 220 V WORKING ON BASE OF DISCONNECTING AND CONNECTING THE A/C BY OUT SIDE DOOR SWITCH

Patent Period Started From 04/01/2007 and Will end on 03/01/2014

(57) Music door bell 02 parts works on a/c 220 v included i/c inside without batteries and it consists of 02 parts: First part is door bell inside the flat Second part is switch out of the flat with closed circuit works of base of disconnect and connect the a/c.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/05/2010** **0742/2010** **October 2012** **07/03/2013** **26125**

(51)	**Int. Cl. [8] B65D 5/74**
(71)	**1. TETRA LAVAL HOLDINGS & FINANCE S.A. (SWITZERLAND)** **2.** **3.**
(72)	**1. CASALE, Cristiano** **2. SORBARA, Angelo** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 07120020.8 – 05/11/2007** **2. (PCT/EP2008/065011) – 05/11/2008** **3.**
(74)	**MAHMOUD RAGAII EL DEKKI**
(12)	**Patent**

(54)	**RECLOSABLE OPENING DEVICE FOR PACKAGES OF POURABLE FOOD PRODUCTS**
	Patent Period Started From 05/11/2008 and Will end on 04/11/2028

(57) A reclosable opening device for packages of pourable food products, which opening device has a frame fitted about a pierceable portion of the package and defining a through pour opening; a removable threaded cap that screws onto the frame to close the pour opening; a tubular cutter engaging the pour opening and having, at one axial end, cutting means which cooperate with the pierceable portion to unseal the package; first connecting means connecting the cap to the cutter, and which, as the cap is unscrewed off the frame, push the cutter towards the pierceable portion; and second connecting means connecting the frame to the cutter, and which, in use, feed the cutter along a predetermined piercing path through the pierceable portion in response to unscrewing of the cap; and the piercing path of the cutter, as the cap is unscrewed off the frame, has a first portion of pure axial translation, followed by a second portion having both an axial and a rotary component of motion.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/09/2008** **1468/2008** **October 2012** **07/03/2013** **26126**

(51)	**Int. Cl.[8] B04C 5/181 , 5/13 , 5/14**
(71)	**1. FLSMIDTH A/S (DENMARK)** **2.** **3.**
(72)	**1. HANSEN, Morten Kaare** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DK) PA200600416 – 24/03/2006** **2. (PCT/IB2006/055047) – 28/12/2006** **3.**
(74)	**MAHMOUD RAGAII EL DEKKI**
(12)	**Patent**

(54)	**CYCLONE SEPARATOR**
	Patent Period Started From 28/12/2006 and Will end on 27/12/2026

(57) Described is a cyclone separator comprising a cyclone housing, a discharge duct and a central tube for diverting gases, said central tube extends axially into the cyclone housing and being composed by a number of segments which are suspended on a supporting element provided in the area between the cyclone housing and the discharge duct. The cyclone separator is peculiar in that it comprises a number of carrying means which are evenly distributed and fixed to the inner side of the cyclone housing and/or the discharge duct, and in that the supporting element comprises an annular disc which is loosely fitted on top of the carrying means and having an outer diameter which is smaller than the inner diameter of the cyclone housing and/or the discharge duct so that a clearance is provided between the annular disc and the cyclone housing and/or the discharge duct. Hereby is obtained a significant reduction in the heat transmission from the supporting element to the cyclone housing and/or the discharge duct so that the radial temperature gradient in the supporting element is reduced with an approximately uniform temperature over the radial cross section of the element. Hence the thermal stresses in the supporting element will be substantially reduced. This is mainly ascribable to the reduction in the contact area between the supporting element and the cyclone housing and/or the discharge duct.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/10/2009** **1591/2009** **November 2012** **11/03/2013** **26127**

(51)	**Int. Cl. [8] C01L 3/00, 3.06 & C08F 220/34, 220/56**	
(71)	**1. NALCO COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. CONRAD, Peter G.** **2. ACOSTA, Erick J.** **3. NAMEE, Kevin P.**	**4. BENNETT, Brian M.** **5. LINDEMAN, Olga E.S.** **6. CARLISE, Joseph R.**
(73)	**1.** **2.**	
(30)	**1. (US) 12/253.504 – 17/10/2008** **2.** **3.**	
(74)	**SMAS FOR INTELLECTUAL PROPERTY**	
(12)	**Patent**	

(54) METHOD OF CONTROLLING GAS HYDRATES IN FLUID SYSTEMS

Patent Period Started From 15/10/2009 and Will end on 14/10/2029

(57) A method of inhibiting hydrates in a fluid comprising water and gas comprising adding to the fluid an effective hydrate inhibiting amount of a composition comprising one or more co polymers of N- alkyl (alkyl) acrylamide monomers and one or more cationic monomers sselected from acid and alkyl chloride quaternary salts of N,N- dialkylaminoalkyl meth acrylates and N,N - dialkylaminoalkyl meth acrylamides .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/04/2007** **PCT/NA2007/000341** **June 2010** **17/03/2013** **26128**

(51)	**Int. Cl.** [8] **E21B 34/10**
(71)	**1. BJ SERVICES COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BOLDING, JEFFREY, L.** **2. SMITH, DAVID, R.** **3.**
(73)	**1. BJ SERVICES COMPANY U.S.A (UNITED STATES OF AMERICA)** **2.**
(30)	**1. (US) 60/522.500 – 07/10/2004** **2. (PCT/US2005/036065) – 07/10/2005** **3.**
(74)	**NAZEH A. SADEK**
(12)	**Patent**

(54) DOWNHOLE SAFETY VALVE APPARATUS AND METHOD

Patent Period Started From 07/10/2005 and Will end on 06/10/2025

(57) A safety valve replaces an existing safety valve in order to isolate a production zone from a tubing string when closed. Preferably the safety valve includes a flow interruption device displaced by an operating conduit extending from a surface location to the safety valve through the inside of the production tubing. A by pass conduit allows communication from a surface location to the production zone through the safety valve without affecting the operation of the safety valve.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/10/2009** **1466/2009** **November 2012** **18/03/2013** **26129**

(51)	**Int. Cl. [8] B60J 1/14, 1/18, 1/20**
(71)	**1. DR. AZZA ABD EL – MONEIM ALI HASSAN (EGYPT)** **2.** **3.**
(72)	**1. DR. AZZA ABD EL – MONEIM ALI HASSAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**FINE PERFORATED SHIELD FOR AUTOMOBILES**
	Patent Period Started From 04/10/2009 and Will end on 03/10/2029

(57) One of the main drawbacks of the current ventilation system in all cars windows is the presence of glass windows that could either be manually or electrically opened and closed. On closing such windows there would be a non renewable limited aeration that would cause either suffocation or even death of the driver and the remaining passengers. Especially when the driver is to be forced to take breaks or sleep for refreshment during the long travels. If the driver would leave the car windows opened for aeration he and the passengers would be subjected to either mosquito bites or inset stings. This would subject them to infectious diseases. Moreover the reptiles, insects, the flying insects, also the snakes and scorpions would enter the cars especially in the desert and mountain areas. Furthermore the cars and the passengers would be attached by robbers and thieves (would be stolen). Also, they would be subjected to wild animals attack. This new idea of adding a fine perforated shield (with a reinforcing frame having the same original car windows dimension to allow its movement without causing any harm or damage) as a protection from the previous drawbacks.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/05/2009** **0691/2009** **December 2012** **18/03/2013** **26130**

(51)	**Int. Cl.[8] B63H 11/02**
(71)	**1. TAMER ABD AL RAHMAN BASHA ABD AL WAHED (EGYPT)** **2.** **3.**
(72)	**1. TAMER ABD AL RAHMAN BASHA ABD AL WAHED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**WATER PROPULSION SYSTEM**
	Patent Period Started From 12/05/2009 and Will end on 11/05/2029

(57) A cronical horn by several machine guns to take the water directly from the pump to splash, the water pressure to water based on Newton Law. So, the marine unite will be pushed by pressure of the pressurized water, directly from the pump to the splash and then to the sea-water So, the marine unite will go forward, and we can control the speed of the maritime unite according to the strength as well as the strength of pump pressure.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/04/2011** **0544/2011** **October 2012** **21/03/2013** **26131**

(51)	**Int. Cl. [8] E04B 2/02, 2/18**
(71)	**1. KESKES, SADIKA (TUNISIA)** **2.** **3.**
(72)	**1. KESKES, Sadika** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 1052710 – 09/04/2010** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) CONSTRUCTION ELEMENT BY BLOWING OR BLOWING-PRESSING

Patent Period Started From 10/04/2011 and Will end on 09/04/2031

(57) The hollow construction component (3) delimiting an external envelope of determined volume, gatherable in order to constitute a set, is made of at least a blown up or blown-pressed material. An assembly comprises at least two construction components (3) and can comprise means of communication between at least the two construction components.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/12/2008** **2059/2008** **November 2012** **24/03/2013** **26132**

(51)	**Int. Cl. [8] A61B 18/20**	
(71)	**1. THE DEZAC GROUP LIMITED (UNITED KINGDOM)** **2.** **3.**	
(72)	**1. BITTER, Ahmed** **2. GRANT, Antony** **3. WOLSKI, Alex**	**4. MILLS, Desmond** **5. HERBERT, Kevin**
(73)	**1.** **2.**	
(30)	**1. (GB) 0612391.3 – 22/06/2006** **2. (PCT/GB2007/002305) - 21/06/2007** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) APPARATUS AND METHODS FOR SKIN TREATMENT

Patent Period Started From 21/06/2007 and Will end on 20/06/2027

(57) A hair treatment device for the treatment of the human or animal skin by laser radiation to prevent or reduce hair growth, which device comprises a laser radiation source for emitting a laser radiation beam; beam deflecting means for deflecting said radiation beam across the skin, said deflecting means comprising a lens through which said beam of laser radiation passes, and means for moving said lens to effect deflection of said beam.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/03/2010** **0492/2010** **November 2012** **24/03/2013** **26133**

(51)	**Int. Cl.** [8] **A61M 15/00**
(71)	**1. OTSUKA PHARMACEUTICAL CO. LTD. (JAPAN)** **2.** **3.**
(72)	**1. OI, Yoshihiro** **2. ADACHI, Shintaro** **3. NAKAO, Takaaki**
(73)	**1.** **2.**
(30)	**1. (JP) 2007-249886 – 26/09/2007** **2. (JP) 2008-056759 – 06/03/2008** **3. (PCT/JP2008/067562) – 26/09/2008**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METERED DOSE INHALER**
	Patent Period Started From 26/09/2008 and Will end on 25/09/2028

(57) A metered dose inhaler is further improved by exploiting characteristics of an aerosol can. The inhaler has a housing body, an aerosol can, a dose counter, and an operation cap. The aerosol can has a can body, a valve stem held at a fixed position in the housing, and a spring for urging the valve stem, where the can body is supported in the housing body such that the can body can be pushed in against force of the spring. The dose counter has indication members rotatably supported in the housing body and also has an operation lever rockably supported in the housing body to perform rotation operation of the display member. The operation cap has a connection section pivotably connected to the operation lever and also has a cap section fitted on the can body from its bottom side, and rocks the operation lever.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/11/2010** **1864/2010** **January 2012** **24/03/2013** **26134**

(51)	**Int. Cl.** [8] **E04B 1/34**
(71)	**1. MAHMOUD GALAL YEHIA KAMEL AHMED (EGYPT)** **2.** **3.**
(72)	**1. MAHMOUD GALAL YEHIA KAMEL AHMED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**SUSPENDED BUILDINGS TO SAFEGUARD FROM EARTHQUAKES, AND TERRORISM**
	Patent Period Started From 04/11/2010 and Will end on 03/11/2030

(57) Building from top to bottom (from top floor down to lower floor) by constructing four periphery columns, fixing two cross steel wires on top of them and hanging from these two wires five installation columns a central one on the intersection between the two wires and a four periphery ones where these columns will be used for installing and hanging top floors roof beams after finishing roof installation, this roof to be strapped from its four corners to the four periphery columns using steel wires the next step is installing top floors columns, then in the same way coming down to finish level after level till finishing the lower floor taking into consideration lower levels ground will be rested on land.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/11/2004** **0485/2004** **November 2012** **24/03/2013** **26135**

(51)	**Int. Cl.** [8] **B23K 26/00 & C12N 15/00**	
(71)	**1. National Institute of Laser Enhanced Sciences** **2. Agricultural GeneticEngineering Research Institute** **3.**	
(72)	**1. Yehia Abdel Hameed El sayed Badr** **2. Ahmed Bahy Eldein MohMED** **3. Mohamed Adel Yehia**	**4. Mona Abdel Aziz Mohamed** **5. Ayman Mahmoud Ahmed**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)		
(12)	**Patent**	

(54) LASER MICROBEAM CELL SURGERY AS A NOVEL METHOD OF GENE TRANSFER IN WHEAT

Patent Period Started From 24/11/2004 and Will end on 23/11/2024

(57) A micro-laser beam (1μm) has been used successfully to puncture the cell wall and cell membrane of Egyptian Wheat calli . Using the osmotic pressure gradient we could transfer some genes to the cells hrough the introduced holes. We confirmed the transfer and expression of genes and its stability using the analytical genetic techniques as (PCR) and (RT-PCR). We could deal with about 1 million cells in 120 minutes using the introduced here novel technology.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/06/2008** **1023/2008** **November 2012** **25/03/2013** **26136**

(51)	**Int. Cl. [8] C07D 409/02**
(71)	**1. SYNGENTA LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. LEE, Shy-Fuh** **2. GLIEDT, Micah** **3. ANDERSON, Richard**
(73)	**1.** **2.**
(30)	**1. (US) 60/751,558 – 19/12/2005** **2. (PCT/US2006/048065) – 14/12/2006** **3.**
(74)	**SOHEIR M. REZK**
(12)	**Patent**

(54) SUBSTITUTED AROMATIC HETEROCYCLIC COMPOUNDS AS FUNGICIDES

Patent Period Started From 14/12/2006 and Will end on 13/12/2026

(57) The present invention provides compounds of formula (I); wherein X is S, O, or NR5, along with salts thereof and compositions containing the same. The compounds are useful as, among other things, crop protection agents to combat or prevent fungal infestations, or to control other pests such as weeds, insects, or acarids that are harmful to crops.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/07/2011** **1215/2011** **December 2012** **26/03/2013** **26137**

(51)	**Int. Cl. [8] D03D 37/00**
(71)	**1. STARLINGER & CO GESELLSCHAFT M.B.H. (AUSTRIA)** **2.** **3.**
(72)	**1. SCHINDLER, Albert** **2. WAGNER, Nikolaus** **3.**
(73)	**1.** **2.**
(30)	**1. (AT) A0107/2009 – 22/01/2009** **2. (PCT/EP2010/050390) – 14/01/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DEVICE FOR CONTROLLING THE WEFT BAND TENSION ON A SHUTTLE, SHUTTLE AND CIRCULAR LOOM EQUIPPED THEREWITH

Patent Period Started From 14/01/2010 and Will end on 13/01/2030

(57) The invention relates to a device for controlling the weft band tension on a shuttle of a circular loom, wherein the shuttle comprises a band redirecting apparatus and a weft band spool, from which a weft band can be pulled off over the band redirecting apparatus. The weft band tension that occurs when the weft band is pulled off deflects the band redirecting apparatus against a restoring force. The control device comprises: a deflection sensor, which detects the instantaneous position of the band redirecting apparatus and generates a deflection signal as a function of the detected position, an arithmetic-logic unit, to which the deflection signal can be fed, and a variable electromechanical load, which exerts a variable braking torque on the weft band spool according to a controlled variable. The arithmetic-logic unit calculates the controlled variable for setting the variable electromechanical load from the deflection signal fed to the arithmetic-logic unit so that a target value of the position of the band redirecting apparatus and thus also a target value of the weft band tension are set.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/07/2011** **1223/2011** **December 2012** **26/03/2013** **26138**

(51)	**Int. Cl. [8] F16L 1/24**
(71)	**1. SAIPEM S.P.A. (ITALY)** **2.** **3.**
(72)	**1. GIOVANNINI Umberto** **2. Coca, Christian** **3. FAIDUTTI, Denis**
(73)	**1.** **2.**
(30)	**1. (IT) MI2009A000092 – 27/01/2009** **2. (PCT/EP2010/000347) – 20/01/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) SUBMARINE PIPELINE TOWING EQUIPMENT, SYSTEM AND PROCESS

Patent Period Started From 20/01/2010 and Will end on 19/01/2030

(57) A submarine pipeline towing equipment comprising: a floater, of a prismatic shape with a horizontal or vertical axis, with a variable or partially variable buoyancy, whose lower base is at least partially open by means of an opening or hole to operate as an "air chamber", having: at least one inlet, made up of a valve, through which air is supplied; at least one outlet, made up of a valve, through which air is discharged; an actuator to control the valve to supply air; an actuator to control the valve to discharge air; means for connecting said equipment to the pipeline; means for transferring air to said floater; means for actuating the actuator to control the valve to supply air in function of a predefined level in the floater; means for actuating the actuator to control the valve to discharge air in function of the distance of the floater itself from the seabed.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/05/2009** **0659/2009** **December 2012** **26/03/2013** **26139**

(51)	**Int. Cl. [8] C04B 7/36**
(71)	**1. L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES** **2. PROCEDES GEORGES CLAUDE (FRANCE)** **3.**
(72)	**1. PENFORNIS, Erwin** **2. DESMEDT, Guillaume** **3.**
(73)	**1.** **2.**
(30)	**1. (FE) 0654794 – 09/11/2006** **2. (PCT/FR2007/052219) – 22/10/2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESS FOR MANUFACTURING CLINKER WITH CONTROLLED CO_2 EMISSION

Patent Period Started From 22/10/2007 and Will end on 21/10/2027

(57) The invention relates to a process for manufacturing clinker from a raw mix, implementing the following: preheating of the raw mix by combustion flue gases; precalcination of the raw mix; and calcination of the precalcined raw mix in a rotary kiln, in which process the precalcination and the calcination in the rotary kiln produce combustion flue gases that contain CO_2, in which the combustion flue gases created by the precalcination undergo a CO_2-removal treatment without said flue gases mixing with the combustion flue gases created by the calcination in the rotary kiln.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/11/2010** **1877/2010** **December 2012** **26/03/2013** **26140**

(51)	**Int. Cl.** [8] **F24J 2/14, 2/54**
(71)	**1. AIRLIGHT ENERGY IP SA (SWITZERLAND)** **2.** **3.**
(72)	**1. PEDRETTI, Andrea** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (CH) 705/08 – 07/05/2008** **2. (CH) 1341/08 – 22/08/2008** **3. (PCT/CH2009/000147) – 06/05/2009**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) TROUGH COLLECTOR FOR A SOLAR POWER PLANT

Patent Period Started From 06/05/2009 and Will end on 05/05/2029

(57) The invention relates to a trough collector for a solar power plant, comprising a mount carrying a supporting structure, means disposed on the supporting structure for providing heat originating from incident solar radiation, and a pivot device that is fixed to the supporting structure and is used to pivot the supporting structure with respect to the mount, wherein the centroidal axis of the supporting structure equipped with the means for providing the heat is located outside the pivot axis of the supporting structure, and wherein the pivot device is configured such that the centroidal axis of the fully equipped supporting structure is located in the region of a fixed pivot axis. In this way, a simple, cost-effective, and zero-backlash pivot drive for the trough collector is 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)**	**07/10/2009** **1477/2009** **December 2012** **27/03/2013** **26141**

(51)	**Int. Cl.** [8] **H01L 31/052 & F24J 2/10 & G02B 27/14**
(71)	**1. ANGELANTOMI INDUSTRIE S.P.A. (ITALY)** **2.** **3.**
(72)	**1. BATTISTON, Roberto** **2. ZENOBI, Mauro** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) - PCT/IT2007/000273 – 12/04/2007** **2. (PCT/EP2008/054454) – 11/04/2008** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54)	**CONCENTRATION PHOTOVOLTAIC SYSTEM AND CONCENTRATION METHOD THEREOF**
	Patent Period Started From 11/04/2008 and Will end on 10/04/2028

(57) A concentration photovoltaic system comprises lens-type concentrator means for intercepting and concentrating beams of incident solar rays, and is characterized in that it comprises selection means, for selecting the frequencies of beams of solar rays entering the photovoltaic system, capable of direct selected rays towards a plurality of photovoltaic cells, The invention also comprises a method for concentrating beams of incident solar rays which uses the concentration photovoltaic system described.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/06/2011** **1057/2011** **December 2012** **27/03/2013** **26142**

(51)	**Int. Cl.** [8] **H02J 7/00**
(71)	**1. TOYOTA JIDOSHA KABUSHIKI KAISHA (JAPAN)** **2.** **3.**
(72)	**1. TAKADA, Kazuyoshi** **2. SUZUKI, Sadanori** **3. NAKATA, Kenichi** **4. SAKODA, Shimpei** **5. YAMAMOTO,Yukihiro** **6. ICHIKAWA, Shinji** **7. ISHIKAWA, Tetsuhiro**
(73)	**1.** **2.**
(30)	**1. (JP) 2008-328830 – 24/12/2008** **2. (PCT/JP2009/071371) – 24/12/2009** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) RESONANCE TYPE NONCONTACT CHARGING DEVICE

Patent Period Started From 24/12/2009 and Will end on 23/12/2029

(57) The resonance type noncontact charging device includes a high-frequency power supply, a primary-side resonance coil, a secondary-side resonance coil, a charger, a secondary battery, and a stoppage control unit. The primary-side resonance coil receives high-frequency power supplied by the high-frequency power supply. The secondary-side resonance coil is disposed separated from the primary-side coil in a noncontact manner. The secondary-side resonance coil receives power from the primary-side resonance coil through magnetic resonance between the primary-side resonance coil and the secondary-side resonance coil. The charger receives high-frequency power supplied by the secondary-side resonance coil. The secondary battery is connected to the charger. The stoppage control unit stops the high-frequency power supply before the charger when charging is stopped.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/10/2010** **1720/2010** **December 2012** **27/03/2013** **26143**

(51)	**Int. Cl. [8] F24J 2/30 & H02K 7/18**
(71)	**1. ALSTOM TECHNOLOGY LTD (SWITZERLAND)** **2.** **3.**
(72)	**1. PALKES, Mark** **2. TEIGEN, Bard** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/045,361 – 16/04/2008** **2. (US) 61/057,460 – 30/05/2008** **3. (US) 12/421,129 – 09/04/2009** **4. (US) 12/421,047 – 09/04/2009** **5. (PCT/US2009/040334) – 13/04/2009**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54)	**SOLAR STEAM GENERATOR HAVING A STANDBY HEAT SUPPLY SYSTEM**
	Patent Period Started From 13/04/2009 and Will end on 12/04/2029

(57) The present invention concerns a standby heat supply system is provided for a solar receiver steam generator to maintain the system at a relatively constant temperature during the nocturnal period when solar radiation is unavailable. An exemplary solar steam generator having a standby heat supply system includes a steam loop having at least one solar panel, a steam drum and circulating pump, whereby solar energy heats the water to generate steam which is provided to the steam drum. The standby heat supply system includes an external standby heater wherein the water from the steam drum is provided to the external standby heater. A heat isolation valve is actuated during the nocturnal period to allow the water to circulate through the standby heater. Another exemplary embodiment of a solar steam generator includes an internal standby heat supply system having heater elements immersed in the steam drum for direct heating of the water during nocturnal periods.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/06/2010** **1055/2010** **December 2012** **27/03/2013** **26144**

(51)	**Int. Cl. [8] C08B 7/44**
(71)	**1. HOLCIM TECHNOLOGY LTD (SWITZERLAND)** **2.** **3.**
(72)	**1. OBRIST, Albert** **2. VON ZEDTWITZ, Peter** **3. WIECKERT, Christian**
(73)	**1.** **2.**
(30)	**1. (AT) (A2115/2007) – 21/12/2007** **2. (PCT/IB2008/003533) – 18/12/2008** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54)	**METHOD OF IMPROVING THE PRODUCT PROPERTIES OF CLINKER IN THE FIRING OF RAW MEAL**
	Patent Period Started From 18/12/2008 and Will end on 17/12/2028

(57) Method of improving the product properties of clinker in the firing of raw meal in a clinker or cement furnace in which at least part of the fuels used are low-heating-value or alternative fuels, waste products containing organic substances or low-heating-value or alternative fuels are subjected to thermal dissociation and reaction of the dissociation products using radiant energy. The product gas or synthesis gas formed in this way is fed to the burners of the main firing facility to increase the flame 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)**	**11/08/2010** **1360/2010** **December 2012** **27/03/2013** **26145**

(51)	**Int. Cl.** [8] **B65D 65/10 , 75/58**	
(71)	**1. AMCOR FLEXBLEES KREUZLINGEN LTD (SWITZERLAND)** **2.** **3.**	
(72)	**1. TORREGROSA, Juan-Miguel** **2. TORREGROSA, Josefina** **3. PIERRON, Eliane**	**4. FROEMER, Frédéric**
(73)	**1.** **2.**	
(30)	**1. (EP) 08405038.4 – 13/02/2008** **2. (PCT/EP2009/000657) – 02/02/2009** **3.**	
(74)	**HODA ANIS SERAG EL DEEN**	
(12)	**Patent**	

(54) PACKAGING WITH A BLOCK-SHAPED FOODSTUFF-PRODUCT

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

(57) Packaging with a block-shaped foodstuff-product is such that a blank on a film-shaped packaging material has at least one layer wrapped in a wrapping direction forming an overlapping region around four successive sides of a block-shaped foodstuff-product and is folded over two parallel opposite lying sides. For the purpose of opening the packaging, the film-shaped packaging material is separable by pulling an opening flap starting from an overlapping region along a tearing strip in a direction opposite that of the direction of wrapping. The packaging material having at least one layer is made up of a substrate material with at least one polymer film oriented in the direction of wrapping, and the tearing flap is formed by a part of the packaging material in the overlapping region, whereby the tearing flap with side-limiting edges defines the breadth of the tearing strip that can be removed from the packaging material in the direction of orientation of the polymer film.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/03/2006** **PCT/NA2006/001292D** **December 2012** **27/03/2013** **26146**

(51)	**Int. Cl.** [8] **B01J 23/16 , 23/90 , 35/08**
(71)	**1. ENI S.P.A. (ITALY)** **2. INSTITUT FRANCAIS DU PETROLE (FRANCE)** **3. ENITECNOLOGIE S.P.A (ITALY)**
(72)	**1. MARETTO , Cristina** **2. PEDERZANI , Giovanni** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) (MI2003A001776) – 18/09/2003** **2. (PCT/EP2004/010650) – 17/09/2004** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**PROCESS FOR THE CHARGING OF A CATALYST INTO A REACTOR SUITABLE FOR REACTIONS IN HETEROGENEOUS PHASE**
	Patent Period Started From 17/09/2004 and Will end on 16/09/2024

(57) Process for the charging of a catalyst and for the running of a reactor in which reactions take place in multiphase systems, wherein a gaseous phase prevalently consisting of CO and H2 is bubbled into a suspension of a solid in the form of particles (catalyst) in a liquid (prevalently reaction product), according to the Fischer-Tropsch technology.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/12/2009** **1791/2009** **December 2012** **27/03/2013** **26147**

(51)	**Int. Cl. [8] A0IN 25/04,43/824,55/02 & A0IP 3/00 & C07D 285/125 & C07F 3/06**
(71)	**1. ZHEJIANG XINNONG CHEMICAL CO., LTD. (CHINA)** **2. THE INSTITUTE OF PESTICIDE AND ENVIRONMENTAL TOXICOLOGY, ZHEJIANG UNIVERSITY. (CHINA)**
(72)	**1. WEL, Fanglin** **2. ZHU, Guonian** **3. XU, Qunhui** **4. XU, Zhenyuan** **5. XU, Danqian** **6. DAI, Jingui** **7. TONG, Xianming**
(73)	**1.** **2.**
(30)	**1. (CN) 200710106183.5 – 08/06/2007** **2. (PCT/CN2008/001100) – 05/06/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) SUSPENSION CONCENTRATE OF ZN THIODIAZOLE AND PREPARATION THEREOF

Patent Period Started From 05/06/2008 and Will end on 04/06/2028

(57) The invention provides a suspension concentrate of Zn Thiodiazole and preparation thereof. The suspension concentrate comprises Zn Thiodiazole 5-60%, wetting agent 2-8%, dispersant 2-5%, thickening agent 0-3%, antifreezing agent 0-5%, preservative agent 0-0.5%, antifoaming agent 0-0.5% and water the rest. The suspension concentrate can be prepared by grinding with sand-mill, homogenizing by high-speed shearing combined with sanding, or homogenizing by high-speed shearing combined with homogenizing by high pressure. The product possesses strong control effect for bacterial diseases, e.g. bacterial leaf-blight of rice, bacterial strips and canker of citrus. Its advantages comprise low environmental pollution, low toxicity; superior formulation property such as no precipitation or stratification when stored at room temperature for two years, long shelf life, noninflammable, and safe for storage and transportation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/06/2011** **0890/2011** **December 2012** **27/03/2013** **26148**

(51)	**Int. Cl. [8] C25B 11/06**
(71)	**1. INDUSTRIE DE NORA S.p.A. (ITALY)** **2.** **3.**
(72)	**1. KRSTAJIC, Nedeljko** **2. JOVIC, Vladimir** **3. ANTOZZI, Antonio Lorenzo**
(73)	**1.** **2.**
(30)	**1. (IT) (MI2008A002130) – 02/12/2008** **2. (PCT/EP2009/066111) – 01/12/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) ELECTRODE SUITABLE AS HYDROGEN-EVOLVING CATHODE

Patent Period Started From 01/12/2009 and Will end on 30/11/2029

(57) The invention relates to a cathode for hydrogen evolution in electrolysis cells, for instance chlor-alkali cells or cells for producing chlorate or hypochlorite, obtained starting from a substrate of nickel or other conductive material galvanic ally coated with nickel co-deposited with an amorphous molybdenum oxide.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/02/2009** **0258/2009** **December 2012** **27/03/2013** **26149**

(51)	**Int. Cl. [8] C08C1/02 , 19/00**
(71)	**1. NATIONAL RESEARCH CENTER** **2.** **3.**
(72)	**1. GALAL ABDEL- MOEIN** **2. SALWA HASSAN EL SABBAGH** **3. MAGDA EMIL TAWFIK**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT (NATIONAL RESEARCH CENTER)**
(12)	**Patent**

(54)	**METHODS TO IMPROVE THE PHYSICOMECHANICAL PROPERTIES OF RUBBER LOADED WITH LIGNIN AS A FILLER, ANTIOXIDANT AND PREPARED PLASTICIZER**
	Patent Period Started From 24/02/2009 and Will end on 23/02/2029

(57) Lignin was extracted from rice straw waste. Lignin was used in rubber instead of carbon black or other traditional filler to obtain clear samples. Rehological and physico-mechanical properties of different types of rubber, natural and synthetic, (NBR and SBR) were studied when lignin is used as filler and reinforcement. Lignin was used as a dry powder in concentration range from 10-40 phr. The samples of rubber and lignin were mixed and vulcanized according to the general equipment of rubber. The present data confirm that the rubber mixed with lignin have thermal stability and oxidation resistance and good mechanical. The addition of prepared plasticizer from plastic waste to NBR sample containing different phr of lignin and compared with the commercial plasticizer product, the results show that the presence of prepared plasticizer improves the properties of NBR.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/06/2009** **0863/2009** **December 2012** **27/03/2013** **26150**

(51)	**Int. Cl.[8] F23G 5/16**
(71)	**1. WASTE2ENERGY TECHNOLOGIES INTERNATIONAL LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. EINARSSON, FRIDFINNUR** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IS) 8577 – 07/12/2006** **2. (PCT/IS2007/000022) – 07/12/2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**BATCH WASTE GASIFICATION PROCESS**
	Patent Period Started From 07/12/2007 and Will end on 06/12/2027

(57) The present invention relates to a regulated two stage thermal oxidation of waste and applications to use such a process for energy generation. A system and a method are provided comprising a set up of one or more gasification chambers, which are connected via ductwork to a combustion chamber to burn the waste material. The waste is loaded into the gasification chamber (s) and ignited there and the gas, which is generated by the sub- stoichiometric combustion in the gasification chamber is fully combusted in the secondary combustion chamber at a very high temperature. The time used for the burn down period is decreased and controlled by several air and gas flow factors of the system of the present invention.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/11/2007** **0603D2/2007** **December 2012** **28/03/2013** **26151**

(51)	**Int. Cl.** [8] **B01D 21/01**
(71)	**1. CRYSTAL LAGOONS CORPORATION LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. FISCHMANN Torres** **2. FERNANDO Bengamin** **3.**
(73)	**1.** **2.**
(30)	**1. (CL) 2006-3225 – 21/11/2006** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**PROCESS TO OBTAIN (IMPLEMENT AND MAINTAIN) WATER BODIES LARGER THAN 15,000 M3 FOR RECREATIONAL USE WITH COLOR, TRANSPARENCY AND CLEANNESS CHARACTERISTICS SIMILAR TO SWIMMING POOLS OR TROPICAL SEAS AT LOW COST.**
	Patent Period Started From 21/11/2007 and Will end on 20/11/2027

(57) The invention discloses a process to implement and maintain water bodies larger than 15,000 m3 for recreational use, such as lakes or artificial lagoons, with excellent color, transparency and cleanness properties at low cost, which comprises the following steps: a.- providing a structure able to contain a large water body larger than 15,000 m3 b.- feeding the structure of step (a) with inlet water having iron and manganese levels lower than 1.5 ppm and turbidity lower than 5 NTU; c.- measuring water pH, ideally it should be within a range lower than 7.8; d.- adding an oxidizing agent to the water contained in the structure of step (a), with which a 600 my minimal ORP is controlled in water for a minimal period of 4 hours and in maximal cycles of 48 hours; e.- adding a flocculating agent in concentrations within 0.02 and 1 ppm with maximal frequencies of 6 days and cleaning the bottom of the structure of step (a) with a suction device to remove precipitated impurities from the bottom of said structure, together with the additional flocculants and; f.- generating a displacement of surface water containing impurities and surface oils by means of the injection of inlet water according to step (b), which generates said displacement in such a way to remove said surface water by means of a system for impurities and surface oils removal arranged in the structure of step (a), which together with step (e) replaces traditional filtering. The present invention also discloses a structure to contain large water bodies comprising a system for the removal of impurities and surface oils by means of skimmers and the suction device to clean said structure.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/11/2009** **1737/2009** **December 2012** **28/03/2013** **26152**

(51)	**Int. Cl. [8] A61F 13/15, 13/511 & B32B 3/24, 3/30**
(71)	**1. UNI-CHARM CORPORATON (JAPAN)** **2.** **3.**
(72)	**1. KURODA, Kenichiro** **2. NODA, Yuki** **3. NISHIKAWA, Kumiko**
(73)	**1.** **2.**
(30)	**1. (JP) 2007-147476 – 01/06/2007** **2. (PCT/JP2008/056916) – 08/04/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) LAMINATED BODY OF SHEET-LIKE MEMBER

Patent Period Started From 08/04/2008 and Will end on 07/04/2028

(57) The sizes of the parts which do not contribute to joining at joining concave parts are reduced. A laminated body comprises a first sheet-like member which has through holes arranged in the same lengthwise direction, a second sheet-like member superimposed on the first sheet-like member, and the joining concave parts which are formed at the first sheet-like member and/or the second sheet-like member to join the first sheet-like member and the second sheet-like member with each other and whose lengthwise direction is inclined with respect to the lengthwise direction of the through holes.

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** **1333/2010** **December 2012** **28/03/2013** **26153**

(51)	**Int. Cl.** [8] **B01J 20/02, 20/28 & C10G 25/00**	
(71)	**1.**	**JOHNSON MATTHEY PLC (UNITED KINGDOM)**
	2.	
	3.	
(72)	**1.**	**COUSINS, Matthew John**
	2.	**YOUNG, Christopher John**
	3.	**LOGAN, Robert**
(73)	**1.**	
	2.	
(30)	**1.**	**(GB) 0802828.4 – 15/02/2008**
	2.	**(PCT/GB2009/050085) – 29/01/2009**
	3.	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54)	**ABSORBENTS**
	Patent Period Started From 29/01/2009 and Will end on 28/01/2029

(57) An absorbent composition suitable for removing mercury, arsenic or antimony from fluid streams is described, comprising 5-50% by weight of a particulate sulphidedcopper compound, 30-90% by weight of a particulate support material, and the remainder one or more binders, wherein the metal sulphide content of the absorbent, other than copper sulphide, is below 5% by weight.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/08/2010** **1371/2010** **December 2013** **28/03/2013** **26154**

(51)	**Int. Cl. [8] C10C 1/04 & F03G 66/00 7 F24J 2/34**
(71)	**1. TOYOTA JIDOSHA KABUSHIKI KAISHA (JAPAN)** **2.** **3.**
(72)	**1. NAKAMURA, Norihiko** **2. KIKUCHI, Noboru** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2008-041990 - 22/02/2008** **2. (PCT/JP2009/0053624) – 20/02/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**SOLAR THERMAL ENERGY STORAGE METHOD**
	Patent Period Started From 20/02/2009 and Will end on 19/02/2029

(57) Disclosed in the invention of the present patent application is a method for storing solar energy. The solar thermal energy storage method disclosed in the present invention includes acquiring solar thermal energy, using a portion of the aforementioned solar thermal energy acquired to carry out a reaction to generate hydrogen from water, and using another portion of the aforementioned solar thermal energy acquired to carry out a reaction to synthesize ammonia from nitrogen and the hydrogen obtained in step (b).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/11/2009** **1726/2009** **November 2012** **28/03/2013** **26155**

(51)	**Int. Cl. [8] H01B 13/012**
(71)	**1. SELBACH, DIRK (GERMANY)** **2.** **3.**
(72)	**1. SELBACH, Dirk** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102007024476.4 – 25/05/2007** **2. (PCT/DE2008/000578) – 05/04/2008** **3.**
(74)	**MAHMOUD RAGAII EL DEKKI**
(12)	**Patent**

(54) CABLE HARNESS PRODUCTION SYSTEM

Patent Period Started From 05/04/2008 and Will end on 04/04/2028

(57) Disclosed is a cable harness production system comprising an electronic controller and at least one installation board to which several mounting stations are fastened. Each of said mounting stations supports a receptacle for a functional element, which is directly connected to at least one cable of the cable harness, or is shaped as a cable installation aid, e.g. as a fork. At least one electronic transmitter encompassing a test sensor is integrated into at least one mounting station. Said electronic transmitter can be activated by mounting a functional element or installing a cable in the cable installation aid. A test message can be transmitted as an electric wave and can be received and evaluated by the controller.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/05/2009** **0654/2009** **December 2012** **28/03/2013** **26156**

(51)	**Int. Cl. [8] C05D 9/00**
(71)	**1. BIJAM BIOSCIENCES PRIVATE LIMITED (INDIA)** **2.** **3.**
(72)	**1. PRASAD, DURGA, YANDAPALLI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IN) 2039-2006 – 06/11/2006** **2. (PCT/IB2007/003342) - 05/11/2007** **3.**
(74)	**NAZEEH A. SADEK ELIAS**
(12)	**Patent**

(54) NOVEL KIMBERLITE BASED FERTILZER PRODUCTS

Patent Period Started From 05/11/2007 and Will end on 04/11/2027

(57) Novel kimberlite based fertilizer products are produced with or without lignite, with or without alkali and with or without existing fertilizers to enhance crop yields.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/07/2007** **0364/2007** **October 2012** **31/03/2013** **26157**

(51)	**Int. Cl. [8] C07D 229/00**
(71)	**1. MOHAMMAD AMER MAHMOUD (EGYPT)** **2.** **3.**
(72)	**1. MOHAMMAD AMER MAHMOUD** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) A HEXA CAR FOR PHYSICALLY CHALLENGED PEOPLE

Patent Period Started From 09/07/2007 and Will end on 08/07/2027

(57) This invention relates to a hexa car for physically challenged people. The car is chair-like and can move over leveled land and move upstairs and downstairs to right and left. The hexa car is provided with protection means during moving over stairs.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/01/2009** **0031/2009** **December 2012** **31/03/2013** **26158**

(51)	**Int. Cl. [8] A61M 1/10**
(71)	**1. IHAB DAOUD HANNA (EGYPT)** **2.** **3.**
(72)	**1. IHAB DAOUD HANNA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**TOTAL ARTIFICIAL HEART-(INTRA CARDIAC IMPLANT) "ICI" FOR PATIENTS WITH HEART FAILURE(HF**
	Patent Period Started From 08/01/2009 and Will end on 07/01/2029

(57) The "ici" is a physiologic permanent implant for HF, suitable for 1 or more cardiac chambers, as an alternative to cardiac transplantation. It defeats all causes of HF and associated dysrhythmias. It consists of 2 layers. Layer 1, immobile and adherent to the endocardium by sutures &/or biological glue. Layer 2 reflects from layer 1 and faces the cavity. Layer 2 moves inwards (systole) and backwards (diastole) by: i) Gas inflation(by pump) , or ii) Mechanically contracting and battery-operated: a)inter-layered fibers, or b)crossing fibres placed over layer 2. A sensor electrode is placed: i)over layer 2, or ii)on a lead implanted in desired chamber(s). Sensor is cable-connected to an infra-clavicular battery which operates "ici" to: a)contract and relax, b)pace and DC shock dysrhythmias. Future technology may allow miniaturised inter-layered, externally rechargeable batteries without external cables or connections.

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

GRANTED PATENTS' ABSTRACTS GAZETTE

" PATENTS ISSUED APRIL IN 2013"

Egyptian Patent Office

Issue No 204 **MAY 2013**

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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
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

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

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SV	El Salvador
SY	Syrian Arab Republic
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

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

ABSTRACTS
FOR
GRANTED PATENTS
April (2013)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/12/2009** **1838/2009** **December 2012** **01/04/2013** **26159**

(51)	**Int. Cl.** [8] **H04J 3/00 & H04B 7/26**
(71)	**1. TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) (SWEDEN)** **2.** **3.**
(72)	**1. DAHLMAN, Erik** **2. VUKAJLOVIC, Vera** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/944,628 – 18/06/2007** **2. (PCT/SE2008/050407) – 24/12/2008** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54)	**TRANSMISSION OF SYSTEM INFORMATION ON A DOWNLINK SHARED CHANNEL**
	Patent Period Started From 24/12/2008 and Will end on 23/12/2028

(57) In one embodiment, a method of transmitting system information on a down link shared channel structured as successive subframes includes transmitting system information in regularly occurring time windows, each time window spanning some number of successive subframes. The method further includes indicating to receiving user equipment which subframes within a given time window carry system information. The method and variations of it are applied, for example, to the transmission of dynamic system information on the down link shared channel or other down link channel in a 3GPP E-UTRA wireless communication network.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/09/2009** **1363/2009** **January 2013** **01/04/2013** **26160**

(51)	**Int. Cl.** [8] **H04L 27/26 & H04J 11/00 & H04Q 7/38**
(71)	**1. TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) (SWEDEN)** **2.** **3.**
(72)	**1. ENGLUND, Eva** **2. FRENGER, Pål** **3.**
(73)	**1.** **2.**
(30)	**1. (SE) 0700736-2 – 22/03/2007** **2. (PCT/SE 2007/050743) – 16/10/2007** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) METHOD AND ARRANGEMENT IN A TELECOMMUNICATION SYSTEM

Patent Period Started From 16/10/2007 and Will end on 15/10/2027

(57) In a method of improved channel-sounding transmissions between a base station in communication with a user equipment in a telecommunication system, the user equipment receiving (SO) an assigned channel-sounding transmission pattern from the base station, and transmitting (Sl) a channel-sounding signal to the base station based on the assigned channel-sounding transmission pattern and on available uplink data at the user equipment.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/04/2010** **680/2010** **January 2013** **01/04/2013** **26161**

(51)	**Int. Cl.** [8] **C09K 8/80, 8/66, 8/68, 8/516**	
(71)	**1. BAKER HUGHES INCORPORATED (UNITED STATE OF AMERICA)** **2.** **3.**	
(72)	**1. HUANG, Tianping.** **2. CREWS, James, B.** **3. WILLINGHAM, John ,R.**	**4. PACE , James ,R.** **5. BELCHER ,Christopher,K.**
(73)	**1.** **2.**	
(30)	**1. (US) 11/931, 501 – 31/10/2007** **2. (PCT/US 2008/080853) - 23/10/2008** **3.**	
(74)	**HODA ANIS SERAG EL DEEN**	
(12)	**Patent**	

(54)	**NANO-SIZED PARTICLE-COATED PROPPANTS FOR FORMATION FINES FIXATION IN PROPPANT PACKS**
	Patent Period Started From 23/10/2008 and Will end on 22/10/2028

(57) A fracturing fluid, gravel pack fluid and/or frac pack fluid containing particles such as proppants, gravel and/.or sand, may contain an effective amount of a nano-sized particulate additive to fixate or reduce fines migration, where the particulate additive is an alkaline earth metal oxide, alkaline earth metal hydroxide, alkali metal oxides, alkali metal hydroxides transition metal oxides, transition metal hydroxides, post-transition metal oxides, post-transition metal hydroxides piezoelectric crystals and pyroelectric crystals. The nano-sized particulate additive is bound to the particles with a coating agent such as an oil. The particle size of the magnesium oxide or other agent may be nanometer scale, which scale may provide unique particle charges that help fixate the formation fines. The carrier fluid used in the treating fluid may be aqueous, brine, alcoholic or hydrocarbon- based.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/06/2010** **1128/2010** **January 2013** **01/04/2013** **26162**

(51)	**Int. Cl.** [8] **C11D 3/386, 3/37**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BOUTIQUE, Jean-Pol** **2. VANWYNGAERDEN, Nathalie, Jean Marie-Louise** **3. VANDENBERGHE, Frederik** **4. SOUTER, Philip, Frank** **5. LANT, Neil, Joseph** **6. SADLOWSKI, Eugene, Steven** **7. WENNING, Genevieve, Cagalawan**
(73)	**1.** **2.**
(30)	**1. (US) 61/010,109 – 04/01/2008** **2. (US) 61/114,614 – 14/11/2008** **3. (PCT/IB2008/055468) – 19/12/2008**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) A LAUNDRY DETERGENT COMPOSITION COMPRISING GLYCOSYL HYDROLASE

Patent Period Started From 19/12/2008 and Will end on 18/12/2028

(57) The present invention relates to a laundry detergent composition comprising glycosyl hydrolase. The compositions of the present invention also comprises a polymer that, when used in combination with the glycosyl hydrolase, enables compaction of the surfactant system to be achieved without loss in fabric cleaning performance. Preferably, the composition of the present invention comprises a combination of two polymers, a glycosyl hydrolase and detersive surfactant, preferably low levels of detersive surfactant. Most preferably, the laundry detergent composition of the present invention comprise: (i) a glycosyl hydrolase having enzymatic activity towards both xyloglucan and amorphous cellulose substrates, wherein the glycosyl hydrolase is selected from GH families 5, 12, 44 or 74; (ii) detersive surfactant; (iii) amphiphilic alkoxylated grease cleaning polymer; (iv) a random graft co-polymer comprising: (a) hydrophilic backbone comprising monomers selected from the group consisting of: unsaturated C1-C6 carboxylic acids, ethers, alcohols, aldehydes, ketones, esters, sugar units, alkoxy units, maleic anhydride, saturated polyalcohols such as glycerol, and mixtures thereof; and (b) hydrophobic side chain(s) selected from the group consisting of: C4-C25 alkyl group, polypropylene, polybutylene, vinyl ester of a saturated C1-C6 mono-carboxylic acid, C1-C6 alkyl ester of acrylic or methacrylic acid, and mixtures thereof; and (v) a compound having the following general structure: bis((C2H5O)(C2H4O)n)(CH3)-N+-CxH2x-N+-(CH3)- bis((C2H5O)(C2H4O)n), wherein n = from 20 to 30, and x = from 3 to 8, or sulphated or sulphonated variants thereof. Most preferably the composition is in the form of a liquid.

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** **1016/2010** **January 2013** **01/04/2013** **26163**

(51)	**Int. Cl. [8] F03D 9/00, 9/02 & F03G 7/04 & F01K 25/00**
(71)	**1. WOLTER, Klaus (GERMANY)** **2.** **3.**
(72)	**1. WOLTER, Klaus** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102227061167,8 – 17/12/2007** **2. (DE) 102008011218,6 – 26/02/2008** **3. (DE) 102008020270,3 – 22/04/2008** **4. (PCT/EP2008/065600) – 14/11/2008**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) METHOD, DEVICE, AND SYSTEM FOR INJECTING ENERGY INTO A MEDIUM

Patent Period Started From 14/11/2008 and Will end on 13/11/2028

(57) The invention relates to a non-gaseous carrier medium, which is transformed into a gaseous carrier medium by means of thermal energy that is introduced such that the gaseous carrier medium rises to a predetermined height. The gaseous carrier medium is compressed. The compressed gaseous carrier medium is reconverted into a non-gaseous carrier medium at the predetermined height by means of a cooling circuit receiving heat of the carrier medium. The heat received by the cooling circuit is subsequently returned at any arbitrary location in order to be used to heat the carrier medium.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/08/2011** **1376/2011** **January 2013** **01/04/2013** **26164**

(51)	**Int. Cl. [8] C25B 1/00, 9/08**
(71)	**1. MCALISTER TECHNOLOGIES, LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MCALISTER, Roy, E.** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/153,253 – 17/02/2009** **2. (US) 61/237,476 – 27/08/2009** **3. (US) 61/304,403 – 13/02/2010** **(PCT/US2010/024497) – 17/02/2010**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) ELECTROLYTIC CELL AND METHOD OF USE THEREOF

Patent Period Started From 17/02/2010 and Will end on 16/02/2030

(57) In one embodiment of the present invention an electrolytic cell is provided comprising a containment vessel; a first electrode; a second electrode; a source of electrical current in electrical communication with the first electrode and the second electrode; an electrolyte in fluid communication with the first electrode and the second electrode; a gas, wherein the gas is formed during electrolysis at or near the first electrode; and a separator; wherein the separator includes an inclined surface to direct flow of the electrolyte and the gas due to a difference between density of the electrolyte and the gas such that the gas substantially flows in a direction distal to the second electrode.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/10/2010** **1739/2010** **January 2013** **01/04/2013** **26165**

(51)	**Int. Cl. [8] F16B 7/00 & F16L 27/00**
(71)	**1. EMAD ELDEEN ABDELKADER MOHMOUD HAMAD (EGYPT)** **2.** **3.**
(72)	**1. EMAD ELDEEN ABDELKADER MOHMOUD HAMAD** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**UTILITY MODEL**

(54)	**TWO FACES IN ONE BICYCLE SEAT**
	Patent Period Started From 17/10/2010 and Will end on 16/10/2017

(57) Two faces in one bicycle seat.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/12/2009** **1829/2009** **November 2012** **02/04/2013** **26166**

(51)	**Int. Cl. [8] G01M 17/00**
(71)	**1. V & M FRANCE (FRANCE)** **2.** **3.**
(72)	**1. LESAGE, Frédéric** **2. NOËL, Alexandre** **3. NOGUEIRA DE PAULA, Renato**
(73)	**1.** **2.**
(30)	**1. (FR) 0704435 – 21/06/2007** **2. (PCT/FR2008/000836) – 16/06/2008** **3.**
(74)	**SMAS FOR INTELLECTUAL PROPERTY**
(12)	**Patent**

(54) METHOD AND APPARATUS FOR THE MANUAL NON-DESTRUCTIVE INSPECTION OF TUBULAR AXLE PINS HAVING VARIABLE INSIDE AND OUTSIDE RADIUS PROFILES

Patent Period Started From 16/06/2008 and Will end on 15/06/2028

(57) The invention relates to an axle pin inspection apparatus consisting of:

(i) at least one ultrasound probe for analysing selected portions of a wall (having known variable outside and inside radius profiles) of a tubular axle pin in a selected angular sector and, thereby, acquiring analysis data;

(ii) (ii) inspection means for determining at least a first and at least a second selected location at which each probe is to be positioned manually on the outer surface or inner surface of the wall, as a function of the profiles and optionally the loading and environment of the pin, so that the probe analyses at least a first and at least a second selected portion of the wall respectively in at least a first and at least a second selected angular sector oriented along first and second opposing longitudinal or transverse directions and so that the probe acquires analysis data for different relative angular positions of the pin in relation to the probe; and (iii)

(iii) processing means for producing charts on the basis of said analysis data, which charts represent the transverse or longitudinal orientations and the echo indication positions inside the wall.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/02/2008** **248/2008** **December 2012** **02/04/2013** **26167**

(51)	**Int. Cl. [8] A63B 23/16**
(71)	**1. BASSAM AHMED AHMED BADWY ZAYED (EGYPT)** **2.** **3.**
(72)	**1. BASSAM AHMED AHMED BADWY ZAYED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**FLEXIBLE GRASP / HOLD**
	Patent Period Started From 11/02/2008 and Will end on 10/02/2028

(57) The subject of the invention in points : 1- The aim of this invention is to increasing the ability of the individual to use his hand's fingers in a specialized way and training them in a single form. 2- The invention is a new sportive tool to train the muscles of the arm. 3- It can be used in natural treatment for the injuries of the arm.4- It can be produced by the manufacturing companies for the sportive tools/ equipment.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/09/2010** **1579/2010** **January 2013** **02/04/2013** **26168**

(51)	**Int. Cl.[8] C09J 4/06, 101/02, 5/02**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. PROF. ALTAF HALIM BASTA MAKKAR** **2. PROF. HOUSSNI EL-SAIED MOHAMMED ALI** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT (NATIONAL RESEARCH CENTER)**
(12)	**Patent**

(54)	**UPGRADING THE UTILIZATION OF BLACK LIQUORWASTE-BASED RS PULPIN PROCESS IN PRODUCTION HIGH PERFORMANCE WOOD ADHESIVE**
	Patent Period Started From 20/09/2010 and Will end on 19/09/2030

(57) This invention dealing with the use of a new approach to upgrading the utilization of black liquorو as a waste from pulping process of rice straw, in preparation of high performance wood adhesive. In this respect the evaluation was performed on characterizing the adhesives and particle-board produced, both environmental and board quality. The promising results from using black liquor- UF adhesive system are bond strength 9.1 N/mm2, and modulus of rupture and internal bond strength of boards 25.4 N/mm2 and 0.62 N/mm2, as well as reduced the environmental impact resulted from the toxicity emitted from commercial urea-formaldehyde adhesive used as binding agent in particle board (reduction by ~ 68%), and fasting the rate of volatilization stage of thermal degradation of wood, consequently leads to reduce the formation of levoglucosan as a fuel for continue the burning, and reduces the toxicity gasses when the board is exposed to fire.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/06/2009** **0964/2009** **January 2013** **02/04/2013** **26169**

(51)	**Int. Cl.** [8] **C12N 11/06 , 11/10 & C07K 17/10**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. DR. MAGDY MOHMOUD MOSATAFA ELNASHAR** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT (NATIONAL RESEARCH CENTER)**
(12)	**Patent**

(54)	**NOVEL METHOD FOR TREATMENT OF POLYSACCHARIDES AS A CARRIER FOR THE IMMOBILIZATION OF PROTEINS**
	Patent Period Started From 22/06/2009 and Will end on 21/06/2029

(57) This patent involves improvement of the thermal stability of natural polymers "polysaccharides", to be used as a support for covalent immobilization of proteins. The polymers were prepared in small uniform gel beads to increase their surface area. The immobilization of enzymes for example will enable the reusability of these enzymes for tens of times, which will reduce their cost in addition of protecting the environment from the harmful chemicals.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/06/2011** **0999/2011** **January 2013** **03/04/2013** **26170**

(51)	**Int. Cl. [8] B01J 23/72, 35/08 & C07C 5/09, 11/04**	
(71)	**1. UOP LLC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. GAJDA, Gregory J.** **2. GLOVER, Bryan K.** **3. NEGIZ, Antoine**	**4. RILEY, Mark G.** **5.- SENETAR, John J.** **6. HOLMGREEN, Erik M**
(73)	**1.** **2.**	
(30)	**1. (US) 12/335,643 – 16/12/2008** **2. (PCT/US2009/061576) – 22/10/2009** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) LAYERED SPHERE CATALYSTS WITH HIGH ACCESSIBILITY INDEXES

Patent Period Started From 22/10/2009 and Will end on 21/10/2029

(57) A process and catalyst for use in the selective hydrogenation of acetylene to ethylene is presented. The catalyst comprises a layered structure, wherein the catalyst has an inner core and an outer layer of active material. The catalyst further includes a metal deposited on the outer layer, and the catalyst is formed such that the catalyst has an accessibility index between 3 and 500.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/06/2011** **1000/2011** **January 2013** **03/04/2013** **26171**

(51)	**Int. Cl. [8] C10G 67/02, 45/04**	
(71)	**1. UOP LLC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. GAJDA, Gregory J.** **2. GLOVER. Bryan K.** **3. NEGIZ. Antoine**	**4. RILEY, Mark G.** **5. SENETAR. John J.** **6. HOLMGREEN, Erik ,M.**
(73)	**1.** **2.**	
(30)	**1. (US) 12/335639 – 16/12/2008** **2. (PCT/US2009/059931) – 08/10/2009** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) PROCESS FOR USING LAYERED SPHERE CATALYSTS WITH HIGH ACCESSIBILITY INDEXES

Patent Period Started From 08/10/2009 and Will end on 07/10/2029

(57) A process and catalyst for use in the selective hydrogenation of acetylene to ethylene is presented. The catalyst comprises a layered structure, wherein the catalyst has an inner core and an outer layer of active material. The catalyst further includes a metal deposited on the outer layer, and the catalyst is formed such that the catalyst has an accessibility index between 3 and 500.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/07/2010** **1219/2010** **January 2013** **03/04/2013** **26172**

(51)	**Int. Cl. [8] C10G 2/00 & C02F 1/20, 1/04**
(71)	**1. ENI S.P.A (ITALY)** **2.**
(72)	**1. LOCATELLI, Lino** **2.**
(73)	**1.** **2.**
(30)	**1. (IT) MI2008A 000079 – 18/01/2008** **2. (PCT/EP2009/000389) – 14/01/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESS FOR THE PURIFICATION OF AN AQUEOUS STREAM COMING FROM THE FISCHER-TROPSCH REACTION

Patent Period Started From 14/01/2009 and Will end on 13/01/2029

(57) The present invention relates to a process for the purification of an aqueous stream coming from the Fischer-Tropsch reaction which comprises:

-feeding the aqueous stream containing organic by products of the reaction to a fractionating distillation column or to a stripping column;

- condensation of the vaporized stream leaving the head of the column and the removal of a distillate enriched in the heaviest by-products;

- feeding the partially purified aqueous stream leaving the bottom of the distillation column, at the head to one or more sensible contact exchangers;

- sending a process gas in countercurrent to the tail of the exchanger at a temperature lower than that of the aqueous stream; - sending the process gas enriched in water and part of the residual organic product leaving the head of the exchanger to the Fischer-Tropsch synthesis plant of hydrocarbons;

- sending the purified colder water leaving the exchanger directly to further treatment.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/11/2010** **1979/2010** **January 2013** **03/04/2013** **26173**

(51)	**Int. Cl.** [8] **F27D 7/02**
(71)	**1. THYSSENKRUPP UHDE GMBH (GERMANY)** **2.** **3.**
(72)	**1. KIM, Ronald** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 10 2008 025 437.1 – 27/05/2008** **2. (PCT/EP2009/003077) – 28/04/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**APPARATUS FOR THE DIRECTED INTRODUCTION OF PRIMARY COMBUSTION AIR INTO THE GAS SPACE OF A COKE-OVEN BATTERY**
	Patent Period Started From 28/04/2009 and Will end on 27/04/2029

(57) The invention relates to an apparatus for the directed channelling of primary air into a coke-chamber oven, wherein this primary air is channelled through the coke-chamber ceiling into the gas space of a coke-oven battery and, upon entering into the gas space of the coke chamber, is deflected laterally, the primary air therefore being better distributed. The invention also relates to a method of laterally deflecting the primary air once it has entered into the coke-oven chamber, this resulting in better distribution of the primary air in the coke-oven 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)**	**23/02/2003** **0183/2003** **December 2012** **03/04/2013** **26174**

(51)	**Int. Cl.** [8] **D03D 3/02 , 15/00 & A61F 2/04 , 2/06**	
(71)	**1. ABDUL MOUNEM MOHAMMED SABRI (EGYPT)** **2. HASSAN MOHAMMED AL-BHEERY** **3. SHEREF ABDULHADY MOSTAFA**	**4. ESMAIL EBRAHIM MAHMOUD** **5. GHALIA ELSHENAWY EBRAHIM**
(72)	**1. ABDUL MOUNEM MOHAMMED SABRI** **2. HASSAN MOHAMMED AL-BHEERY** **3. SHEREF ABDULHADY MOSTAFA**	**4. ESMAIL EBRAHIM MAHMOUD** **5. GHALIA ELSHENAWY EBRAHIM**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)		
(12)	**Patent**	

(54) FABRICS USED IN HEART PROSTHESES

Patent Period Started From 23/02/2003 and Will end on 22/02/2023

(57) Producing fabrics used in heart prostheses (patches and vascular) Two different textile materials were employed in this research (polyester and Lycra covered with polyester), and three kinds of construction (woven, nonwoven and knitted). Used in producing. Three structures used in woven (regular hopsack 2/2,twill 1/3 and satin 4) Nonwoven structures used in producing patches where it depend on using random and cross-laid web by using needle-punching process for bonding. and one kind of warp and weft knitting were also used ,that is Rachel and pique structure.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/03/2010** **0477/2010** **November 2012** **04/04/2013** **26175**

(51)	**Int. Cl.** [8] **A61F 13/15, 13/53, 13/539**
(71)	**1. Uni-Charm Corporation (JAPAN)** **2.** **3.**
(72)	**1. KURODA, Kenichiro** **2. NODA, Yuki** **3. NISHIKAWA, Kumiko**
(73)	**1.** **2.**
(30)	**1. (JP) 2007-249453 – 26/09/2007** **2. (PCT/JP2008/065749) – 02/09/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**ABSORBENT ARTICLE**
	Patent Period Started From 02/09/2008 and Will end on 01/09/2028

(57) A sanitary napkin which comprises a front face sheet, a back face sheet and a liquid-absorbing structure located between the front sheet and the back sheet, wherein a backward compressed groove is formed in the back part along the lengthwise direction of the vertically long sanitary napkin in the body-contact side of the sanitary napkin. The backward compressed groove has a pair of side compressed parts formed along the widthwise direction of the absorbent article. These side compressed parts is formed so that they are apart from each other almost axisymmetrically around the center line at the center in the widthwise direction of the sanitary napkin.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/07/2010** **1181/2010** **January 2013** **04/04/2013** **26176**

(51)	**Int. Cl.** [8] **G06T 17/40 , 5/00**
(71)	**1. UNIVERSIDAD DE LA LAGUNA (SPAIN)** **2.** **3.**
(72)	**1. RODRIGUEZ Ramos, José Manuel** **2. MARICHAL Hernández, José Gil** **3. ROSA González, Fernando**
(73)	**1.** **2.**
(30)	**1. (ES) P20080126 – 15/01/2008** **2. (PCT/ES2009/000031) – 15/01/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD AND CAMERA FOR THE REAL-TIME ACQUISITION OF VISUAL INFORMATION FROM THREE-DIMENSIONAL SCENES

Patent Period Started From 15/01/2009 and Will end on 14/01/2029

(57) The invention relates to a method for calculating the focal stack associated with an object space from the plenoptic function thereof, using a sum transform along the length of constrained planes in discrete hypercubes, enabling the calculation time to be considerably reduced. The invention also relates to a method for increasing the resolution of the focal stack obtained. In addition, the invention relates to two methods for the real-time recovery of the depths and moduli and phases of the complex amplitude of the wavefront respectively in each position of the surfaces of a three-dimensional scene and to a system designed to carry out the aforementioned 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)**	**07/08/2011** **1321/2011** **January 2013** **04/04/2013** **26177**

(51)	**Int. Cl.** [8] **A16F 13/15**
(71)	**1. UNI-CHARM CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. ISHIKAWA, Masahiko** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2009-025228 – 05/02/2009** **2. (PCT/JP2010/051021) – 27/01/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DEVICE FOR MANUFACTURING ABSORBING BODY AND METHOD OF MANUFACTURING GAS PERMEABLE MEMBER

Patent Period Started From 27/01/2010 and Will end on 26/01/2030

(57) A device for manufacturing an absorbing body relating to an absorptive article, the device manufacturing the absorbing body by causing gas which contains a liquid absorptive raw material to pass through a gas permeable member, which covers the opening of a mold member, in the thickness direction thereof to layer the liquid absorptive raw material on the gas permeable member. The device has a reinforcing member superposed on the gas permeable member in the thickness direction to reinforce the gas permeable member. The reinforcing member is a meshed body formed by first wires and second wires in such a manner that each of the first wires and each of the second wires intersect each other at the intersection at which the first and second wires are connected together. At the intersections, the reinforcing member is joined to the gas permeable member.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/04/2009** **0557/2009** **December 2012** **04/04/2013** **26178**

(51)	**Int. Cl.[8] E21B 43/1185 & F42B 3/192 & F42C 11/06 & F42D 1/055**
(71)	**1. ALLIANT TECHSYSTEMS INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. PRINZ, Francois X.** **2. ARRELL, John A. Jr.** **3. BORJA, Ronald S.** **4. SLADE, William J.**
(73)	**1.** **2.**
(30)	**1. (US) 11/553.361 – 26/10/2006** **2. (US) 11/876.841 – 23/10/2007** **3. (PCT/US2007/082641) – 26/10/2007**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHODS AND APPARATUSES FOR ELECTRONIC TIME DELAY AND SYSTEMS INCLUDING SAME**
	Patent Period Started From 26/10/2007 and Will end on 25/10/2027

(57) Electronic time delay apparatuses and methods of use are disclosed. An explosive or propellant system, which may be configured as a well perforating system includes an electronic time delay assembly comprising an input subassembly, an electronic time delay circuit, and an output subassembly. The input subassembly is activated by an external stimulus, wherein an element is displaced to activate an electronic time delay circuit. The electronic time delay circuit comprises a time delay device coupled with a voltage firing circuit. The electronic time delay circuit counts a time delay, and, upon completion, raises a voltage until a threshold firing voltage is exceeded. Upon exceeding the threshold firing voltage, a voltage trigger switch will break down to transfer energy to an electric initiator to initiate an explosive booster within the output subassembly. The explosive booster provides the detonation output to initiate the next element explosive or propellant element, such as an array of shaped charges in the well perforating system.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/10/2005** **0464/2005** **January 2013** **04/04/2013** **26179**

(51)	**Int. Cl.** [8] **B60S 1/38**
(71)	**1. YOUSRY GIRGIS MESIHA REZK ALLAH (EGYPT)** **2.** **3.**
(72)	**1. YOUSRY GIRGIS MESIHA REZK ALLAH** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**CLEAR VISIBILITY IN TIMES OF BAD WEATHER (RAINS) THAT LEADS TO SECURITY IN DRIVING**
	Patent Period Started From 31/10/2005 and Will end on 30/10/2025

(57) The research is about moving the rain spot of water and its disappearance in front of the driver just when its falls, So, the driver can see clearlythat leads to security in driving.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/10/2010** **1693/2010** **January 2013** **07/04/2013** **26180**

(51)	**Int. Cl.[8] B01D 21/01**
(71)	**1. CRYSTAL LAGOONS CORPORATION LLC (UNITED STATES OF AMERICA)** **2.**
(72)	**1. FISCHMANN Torres, Fernando, Benjamin** **2.**
(73)	**1.** **2.**
(30)	**1. (US) 2008/3900 – 24/12/2008** **2. (PCT/US2009/036809) – 11/03/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**EFFICIENT FILTRATION PROCESS OF WATER IN A TANK FOR RECREATIONAL AND ORNAMENTAL USES, WHERE THE FILTRATION IS PERFORMED OVER A SMALL VOLUME OF WATER AND NOT OVER THE TOTALITY OF THE WATER FROM THE TANK**
	Patent Period Started From 11/03/2009 and Will end on 10/03/2029

(57) The present invention comprises an efficient filtration process of water from a tank, where the filtration is performed over a small volume of water and not on the totality of the water from the tank; the process comprises the following steps:

(a) emitting ultrasonic waves in the tank;

(b) adding a flocculant agent to the water;

(c) covering the tank bottom with a suctioning device which suctions a water flow with flocculated particles, discharging to a collecting effluent line;

(d) filtering the effluent flow of the suctioning device from said collecting effluent line; and

(e) returning the filtered flow to the tank. The present invention additionally comprises a suctioning device used in said efficient filtration process.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/12/2010** **2134/2010** **January 2013** **07/04/2013** **26181**

(51)	**Int. Cl. [8] A23C 11/04 & A23F 3/30, 5/40 & A23G 1/56**
(71)	**1. CAMPINA NEDERLAND HOLDING B.V. (NETHER LANDS)** **2.** **3.**
(72)	**1. VERKERK, Arjan Willem** **2. KETELAARS, Maarten** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 08158351,0 – 16/06/2008** **2. (PCT/NL2009/050347) – 16/06/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**FOAMING COMPOSITION**
	Patent Period Started From 16/06/2009 and Will end on 15/06/2029

(57) The invention pertains to a foaming composition for beverages, which comprises fats, carbohydrates and proteins. The protein content, on a dry weight basis, is between 3 and 9%, and comprises a whey protein and casein, with a whey protein to casein weight ratio between 0.4 and 1.0. The fat content is preferably 20-45 % on a dry weight basis.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/03/2009** **0309/2009** **January 2013** **07/04/2013** **26182**

(51)	**Int. Cl. [8] B01J 8/02**
(71)	**1. METHANOL CASALE SA. (SWITZERLAND)** **2.** **3.**
(72)	**1. FILIPPI, Ermanno** **2. RIZZI, Enrico** **3. TAROZZO, Mirci**
(73)	**1.** **2.**
(30)	**1. (EP) 06018961,0 – 11/09/2006** **2. (PCT/EP2007/007336) – 20/08/2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) ISOTHERMAL REACTOR

Patent Period Started From 20/08/2007and Will end on 19/08/2027

(57) The present invention concerns an isothermal reactor for carrying out exothermal or endothermal heterogeneous reactions comprising: - a substantially cylindrical outer shell with longitudinal axis (X), - at least one catalytic bed extending in the shell and comprising opposite perforated side walls respectively for the inlet of a gaseous flow of reactants and for the outlet of a gaseous flow comprising reaction products, and - a heat exchange unit immersed in said at least one catalytic bed and crossed by a heat exchange fluid, characterised in that said heat exchange unit comprises at least one succession of heat exchangers arranged substantially parallel to each other and substantially parallel to the direction in which said at least one catalytic bed is crossed by said gaseous flow of reactants.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/06/2010** **1064/2010** **January 2013** **07/04/2013** **26183**

(51)	**Int. Cl. [8] F15B 21/12 & B01J 10/00**
(71)	**1. RESEARCH & DESIGN INSTITUTE OF UREA AND ORGANIC SYNTHESIS** **2. PRODUCTS, OTKRYTOE AKTSIONERNOE OBSCHESTVO (RUSSIA)** **3.**
(72)	**1. SERGEEV, Yury Andreevich** **2. VOROBYEV, Aleksandr Andreevich** **3.** ANDERZHANOV, Rinat Venerovich POTAPOV, Viktor Valeryanovich **5. BESPALOV, Anatoly Diamidovich** **6. GOLOVIN, Yury Aleksandrovich** **7. SOLDATOV, Aleksei Vladimirovich** **8. PROKOPYEV, Aleksandr Alekseevich** **9. KUZNETSOV, Nikolai Mikhailovich** **10. KOSTIN, Oleg Nikolaevich** **11. ESIN, Igor Veniaminovich**
(73)	**1.** **2.**
(30)	**1. (RU) 2008102334 – 21/01/2008** **2. (PCT/RU2009/000009) – 20/01/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) HYDRODYNAMIC GENERATOR AND A REACTOR INTERNAL SYSTEM (VARIANTS)

Patent Period Started From 20/01/2009 and Will end on 19/01/2029

(57) The invention relates to devices for producing vibrations in a fluid medium flow and can be used in the chemical, mining and other industries for treating monophase and multiphase media with the purpose of mixing said media and dispersing phases thereof. The inventive hydrodynamic generator for treating fluid media comprises a tubular body, a stream-forming attachment and a resonator plate which is cantilever-secured in a body towards the medium flow. Said resonator plate has two projections which are arcwisely bent in opposite directions in such a way that they are closely joined to the inner surface of the pipe, thereby formingthe plate fastener. The aim of the invention is to design a more simple hydrodynamic generator.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/05/2011** **0703/2011** **January 2013** **07/04/2013** **26184**

(51)	**Int. Cl.** [8] **C25B 11/04, 1/46**
(71)	**1. INDUSTRIE DE NORA S.P.A. (ITALY)** **2.** **3.**
(72)	**1. URGEGHE, Christian** **2. MOROZOV, Alexander** **3. CALDERARA, Alice** **4. DIFRANCO. Dino, Floriano** **5. ANTOZZI, Antonio, Lorenzo**
(73)	**1.** **2.**
(30)	**1. (IT) MI2008A002005 – 12/11/2008** **2. (PCT/EP2009/064998) – 11/11/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) ELECTRODE FOR ELECTROLYSIS CELL

Patent Period Started From 11/11/2009 and Will end on 10/11/2029

(57) The invention relates to an electrode formulation comprising a catalytic layer containing tin, ruthenium, iridium, palladium and niobium oxides applied to a titanium or other valve metal substrate. A protective layer based on titanium oxide modified with oxides of other elements such as tantalum, niobium or bismuth may be interposed between the substrate and the catalytic layer. The thus obtained electrode is suitable for use as anode in electrolysis cells for chlorine production.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/09/2006** **PCT/NA2006/000915** **January 2013** **07/04/2013** **26185**

(51)	**Int. Cl.** [8] **B01J 2/02, 2/16 & C05C 9/00**
(71)	**1. DSM IP ASSETS B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. MEESSEN, Jozef, Hubert** **2.** **3.**
(73)	**1. STAMICARBON B. V. (NETHERLANDS)** **2.**
(30)	**1. (NL) 1025805 – 25/03/2004** **2. (PCT/NL2005/ 000136) – 24/02/2005** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**UREA GRANULATION PROCESS**
	Patent Period Started From 24/02/2005 and Will end on 23/02/2025

(57) Urea granulation process in a granulator that contains urea nuclei, to which a urea melt and at least one granulation additive are added, wherein the urea nuclei are transported and the urea melt is added perpendicularly to the direction of transport of the urea nuclei, wherein the granulation additive is at least partially supplied to the last section of the granulator.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/05/2009** **0762/2009** **January 2013** **07/04/2013** **26186**

(51)	**Int. Cl.** [8] **G01V 5/00**
(71)	**1. VERITAINER CORPORATION (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ALIOTO, Matthew T.** **2. ALIOTO, John I.** **3. WADHWANI, Mohan**
(73)	**1.** **2.**
(30)	**1. (US) 11/605,529 – 28/11/2006** **2. (PCT/US2007/085673) – 27/11/2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**RADIATION DETECTION UNIT FOR MOUNTING A RADIATION SENSOR TO A CONTAINER CRANE**
	Patent Period Started From 27/11/2007 and Will end on 26/11/2027

(57) A radiation detection unit includes a housing and isolators unitarily constructed from mechanical energy absorbent material. The housing is attached rigidly to a structure and its major dimensions are selected to exceed corresponding major dimensions of a radiation sensor. The isolators have a body portion and projections extending outwardly therefrom. The body portion engages the radiation detection sensor proximal a respective one of its radiation collection end and its interface end. The projections are disposed intermediate the body portion and an interior surface of the housing and have a distal end contacting the interior surface to carry the radiation sensor in a three dimensional spaced apart relationship to the interior surface. The length of the projections is selected to attenuate substantially mechanical energy that is induced at the distal end and propagates along the length of each projection prior to the propagated energy being incident upon the body 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)**	**20/05/2009** **0747/2009** **December 2012** **08/04/2013** **26187**

(51)	**Int. Cl. [8] A 01B 1/02 – H01R 39/00**
(71)	**1. ATEF HAVES ABD EL WHAB ALI (EGYPT)** **2. MAGDY AHMED BAIOMY** **3.**
(72)	**1. ATEF HAVES ABD EL WHAB ALI** **2. MAGDY AHMED BAIOMY** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**DESIGNE A SIMPLIFIED DEVICE TO PENETRATE AND REMOVE THE CONSTRICTIONS CLOGGING FROM ON THE FARM DRAINAGE PIPE AND SEWAGE WATER PIPE**
	Patent Period Started From 20/05/2009 and Will end on 19/05/2029

(57) There are problems in the on farm drainage and sewage water pipe which resulted from clogging on pipes during drainage operations. The new design will solve all these problems. The patent depend on exploitation the mechanical power from electric power to push the new device on the front and to operate the penetration part to remove the clogging from on farm drainage and sewage water pipe. All steps of removing the clogging can be watched on a monitor screen. The device is consisting of: - Main frame – Electric engine – Transmission system – Pushing wheels – Penetration units - Video camera – control panel. Operation system is depending on push the device design inside the clogging pipe and the penetration unit penetrating the clogging and remove 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)**	**28/09/2009** **1416/2009** **January 2013** **08/04/2013** **26188**

(51)	**Int. Cl. [8] B01D 45/06**
(71)	**1. ATEF EL- SAYED ABD EL- LATIF (EGYPT)** **2.** **3.**
(72)	**1. ATEF EL- SAYED ABD EL- LATIF** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**UTILITY MODEL**

(54)	**DEVICE FOR PROTECTING THE ENVIRONMENT**
	Patent Period Started From 28/09/2009 and Will end on 27/09/2016

(57) This invention relates to a method for protecting the environment from fumed of factories and industrial wastes to keep a clean environment. This is done by ejecting fumes and wastes through pipes that are run from furnaces to drainage.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/02/2010** **0241/2010** **January 2013** **09/04/2013** **26189**

(51)	**Int. Cl. [8] B62D 61/02 & F16D 65/00**
(71)	**1. BAJAJ AUTO LIMITED (INDIA)** **2.** **3.**
(72)	**1. VIVEK, Nilkanth Patwardhan** **2. PRASHANT, Ramesh Deshpande** **3.**
(73)	**1.** **2.**
(30)	**1. 342/CHE/2009 – 17/02/2009** **2.** **3.**
(74)	**Smas for intellectual property**
(12)	**Patent**

(54) DISC BRAKE ASSEMBLY FOR A TWO WHEEL VEHICLE

Patent Period Started From 14/02/2010 and Will end on 13/02/2030

(57) A disc cover attachable to a vehicle structural support member to be mounted proximate to a disc brake assembly comprising a braking disc and a associated braking caliper wherein said disc cover shields a portion of the braking disc from impingement of deleterious material emanating from above the disc brake assembly. The disc cover does not extend around the whole of the braking disc and the braking disc is not wholly enclosed by the disc cover Disc brake assemblies and vehicles comprising the disc cover are also described.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/08/2007** **PCT/NA2007/000839** **January 2013** **09/04/2013** **26190**

(51)	**Int. Cl. [8] C01B 17/16, 17/50 & B01D 3/34, 3/38 & C02F 1/58 & C12P 3/00**
(71)	**1. NEDERLANDSE ORGANISATIE VOOR TOEGEPASTNATURWETENSCHAPPELIJK** **2. ONDERZOEKTNO (NETHERLANDS)** **3. TECHNO INVENT INGENIEURSBUREAUVOOR MILIEUTECHNIEK B.V. (NETHERLANDS)**
(72)	**1. HAZEWINKEL, Jacob, Hendrik, Obbo** **2. VAN GROENESTUN, Johannes, Wouterus** **3. MEESTERS, Koen, Peter, Henri**
(73)	**1.** **2.**
(30)	**1. (EP) 05075351,6 – 11/02/2005** **2. (PCT/NL2006/000075) – 13/02/2006** **3.**
(74)	**SOHAIR M. REZK**
(12)	**Patent**

(54) PROCESS AND APPARATUS FOR THE PRODUCTION OF SULPHUR OXIDES

Patent Period Started From 13/02/2006 and Will end on 12/02/2026

(57) The invention is directed to a process and apparatus for the removal of hydrogen sulphides from streams containing them, in particular from wastewater streams. According to the invention, hydrogen sulphide is stripped from the process liquid by means of a vacuum stripper. The gas thus produced has a high H_2S content, which facilitates further processing.

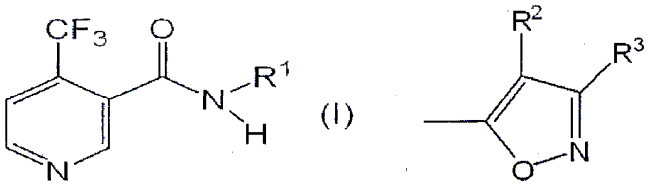
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/10/2010** **1723/2010** **January 2013** **09/04/2013** **26191**

(51)	**Int. Cl.** [8] **A0IN 25/30, 43/40, 43/80 & A0IP 7/02, 7/04**	
(71)	**1. ISHIHARA SANGYO KAISHA, LTD (JAPAN)** **2.** **3.**	
(72)	**1. MORITA, Masayuki** **2. AWAZU, Takao** **3. NAKAGAWA, Akira**	**4. IWASA, Mitsugu**
(73)	**1.** **2.**	
(30)	**1. (JP) 2008-107804 – 17/04/2008** **2. (PCT/JP 2009/057394) - 10/04/2009** **3.**	
(74)	**SOHAIR M. REZK**	
(12)	**Patent**	

(54) HARMFUL ORGANISM CONTROL COMPOSITION, AND METHOD FOR CONTROL OF HARMFUL ORGANISMS

Patent Period Started From 10/04/2009 and Will end on 09/04/2029

(57) Disclosed is a harmful organism control composition having a stable and high harmful organism control effect. The harmful organism control composition comprises: a pyridine compound represented by formula (I) or a salt thereof; and at least one efficacy-enhancing component selected from the group consisting of a nonionic surfactant, an anionic surfactant, a cationic surfactant, an ampholytic surfactant, an animal or plant oil, a mineral oil, a water-soluble polymer, a resin and a wax. [In formula (I), R1 represents CH2CN or a group represented by formula (II); and R2 and R3 independently represent a hydrogen atom, a halogen atom, a C1-6 alkyl or a C1-6 alkoxy.]



Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/02/2010** **293/2010** **January 2013** **09/04/2013** **26192**

(51)	**Int. Cl. [8] A01N 25/02, 37/36, 43/90, 37/42 & A01P 3/00, 7/00**
(71)	**1. SYNGENTA LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. BELL, Gordon, Alastair** **2. HARRIS, Clair, Louise** **3. TOVEY, Ian, David**
(73)	**1.** **2.**
(30)	**1. (UK) 0716593.9 – 24/08/2007** **2. (PCT/GB2008/002738) – 12/08/2008** **3.**
(74)	**SOHAIR M. REZK**
(12)	**Patent**

(54)	**IMPROVEMENTS IN OR RELATING TO ORGANIC COMPOUNDS**
	Patent Period Started From 12/08/2008 and Will end on 11/08/2028

(57) A composition comprising a compound of formula I CH3CH(OH)CC=O)NR1R2 (I) where R1 and R2 are each independently hydrogen; or C1-6 alkyl, C2-6 alkenyl or C3-6 cycloalkyl, each of which is optionally substituted by up to three substituents independently selected from phenyl, hydroxy, C1-5 alkoxy, morpholinyl and NR3R4 where R3 and R4 are each independently C1-3 alkyl; or phenyl optionally substituted by up to three substituents independently selected from C1-3 alkyl; or R1 and R2 together with the nitrogen atom to which they are attached form a morpholinyl, pyrrolidinyl, piperidinyl or azepanyl ring, each of which is optionally substituted by up to three substituents independently selected from C1-3 alkyl; and at least one agrochemical selected from the group consisting of Trinexepac ethyl, Mandipropamid, Abamectin and Emamectin, with the proviso that the agrochemical is not abamectin or emamectin when the solvent is N-(B-hydroxyethyl)- lactamide. Such compositions may be, or may be comprised by, emulsion concentrates.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/01/2005** **0005/2005** **January 2013** **09/04/2013** **26193**

(51)	**Int. Cl. [8] B02C 19/12**
(71)	**1. CITY OF SCIENTIFIC RESEARCH AND TECHNOLOGICAL APPLICATIONS(EGYPT)** **2. SOHAIR ALI FAHMY** **3.**
(72)	**1. ARIF MOHAMED EL SAYED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MOHMOUD EL SAYED ABDEL LATIF**
(12)	**Patent**

(54) FLUIDIZATION FACILITOR

Patent Period Started From 02/01/2005 and Will end on 01/01/2025

(57) Gas flow pulsator is suggested system to smooth fluidization of cohesive powders. It consists of a plastic or metal pressure valve connected with 1/3 hp motor. The main idea of this system based on by making a rapid (on-off) of pressure valve, thus the air flow will be converted into pulsated flow that tends to smooth fluidization of cohesive powders. It is used with fluidized bed unit. It settled up in production line before fulidized bed and after gas source. In industry, the air flow pulsator technique in fluidized should be used instead of hydraulic vibrator, that has disadvantages high energy consumed , high cost of construction, noise source and the vibration waves can not travels to all powder bed . On other hand all of these defects were avoided in the new suggested gas flow pulsator unit. This patent can be applied in several industries such as, petroleum industry, detergent, pharmaceutical and food industry.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/01/2011** **36/2011** **October 2012** **10/04/2013** **26194**

(51)	**Int. Cl. [8] A01G 9/18**
(71)	**1. LEON ENGINEERING S.P.A. (SAN MARINO)** **2.** **3.**
(72)	**1. AMADESI, Paolo** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) BO2008A00429 – 08/07/2008** **2. (PCT/IT2009/000294) – 03/07/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) APPARATUS FOR REDUCING CARBON DIOXIDE CONTAINED IN COMBUSTION SMOKES

Patent Period Started From 03/07/2009 and Will end on 02/07/2029

(57) The present invention relates to an apparatus for reducing the carbon dioxide contained in combustion smokes which comprises at least one smoke inlet conduit inside at least one operating chamber and at least one ejection conduit for the gases treated. The at least one chamber comprises at least one plant arranged along the smoke path between the inlet conduit and the ejection conduit. The smokes strike the plant surfaces during their circulation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/07/2011** **1289/2011** **January 2013** **10/04/2013** **26195**

(51)	**Int. Cl. [8] G01V 1/36**
(71)	**1. PGS GEOPHYSICAL AS. (NORWAY)** **2.** **3.**
(72)	**1. STIAN Hegna** **2. GREGORY Ernest Parkes** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/806.098 – 05/08/2010** **2.** **3.**
(74)	**MOHAMED KAMEL MOSTAFA**
(12)	**Patent**

(54) WAVEFIELD DEGHOSTING OF SEISMIC DATA RECORDED USING MULTIPLE SEISMIC SOURCES AT DIFFERENT WATER DEPTHS

Patent Period Started From 31/07/2011 and Will end on 30/07/2031

(57) Seismic data are acquired by actuating a first source at a first time and one or more additional seismic sources each with their own characteristic times with respect to a time of signal recording, the sources substantially collocated and at different depths. A first wavefield is determined that would occur if the first source were actuated at a selected time with respect to an initiation time of the recordings and being time adjusted for the water depth. One or more additional wavefields are determined that would occur if the one or more additional sources were each actuated at said selected time with respect to said initiation time, and being time adjusted for water depths of the one or more additional sources. The first wavefield and the one or more additional wavefields are combined to determine a deghosted source wavefield corresponding to actuation of a single seismic energy source.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/06/2006** **269/2006** **December 2012** **11/04/2013** **26196**

(51)	**Int. Cl.** [8] **A61F 5/00**
(71)	**1. BASIM ABD-EL-FATTAH EL-GAZZAR (EGYPT)** **2.** **3.**
(72)	**1. BASIM ABD-EL-FATTAH EL-GAZZAR** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**CERVICAL TRACTION DEVICE**
	Patent Period Started From 25/06/2006 and Will end on 24/06/2026

(57) It is made of:- head piece (under mandible, mastoid process, occiput)- 2 pulleys beside the head piece and beside each other- wire (arises from the 2nd (i.e. lateral) pulley & passes over the under surface of 2nd pulley then the upper surface of 1st pulley then joins the side of the head piece)- motor- shoulder blade or jacket- longitudinal connecting bar- transverse connecting bar- battery- charger- on/off button- cover- timer N.B. the diameter of the 1st pulley is small while that of the 2nd is large to act as a lever to multiply the force that is produced.

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** **94/2011** **December 2012** **15/04/2013** **26197**

(51)	**Int. Cl.[8] B23P 17/06**
(71)	**1. CENT & CENT GMBH & CO. KG (GERMANY)** **2.** **3.**
(72)	**1. STAHL, Karl-Hermann** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 10 2008 034 250.5 – 23/07/2008** **2. (PCT/DE2009/000736) – 23/05/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHOD FOR PRODUCING STEEL FIBERS**
	Patent Period Started From 23/05/2009 and Will end on 22/05/2029

(57) A method for producing steel fibers, preferably for use as a concrete additive, and for the addition thereof during the production of steel fiber concrete, characterized in that in order to produce the steel fibers first a metal strip is notched either on one side or on both sides so as to form steel fiber veins, which initially are still connected to each other by webs, and that furthermore the steel fiber strip is subjected to a tumbling process in order to subsequently reshape the webs into thin, easy-to-separate separating webs which form separating surfaces that are smooth and low in burrs during severing, wherein each web is subjected to multiple bending deformation steps about the longitudinal axis such that incipient cracks are formed in the region of the webs due to fatigue fracture, thereby producing a separating web.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/01/2010** **53/2010** **January 2013** **15/04/2013** **26198**

(51)	**Int. Cl. [8] G01R 27/26 & G08B 1/08**	
(71)	**1. MARIMILS OY (FINLAND)** **2.** **3.**	
(72)	**1. VÄLISUO, Petri** **2. VIRTANEN, Juhani** **3. KYMÄLÄINEN, Kari**	**4. BARNA, Laurentiu** **5. MAKI RANTN, Jarkko**
(73)	**1.** **2.**	
(30)	**1. (US) 60/929.748 – 11/07/2007** **2. (PCT/FI2008/050379) – 19/06/2008** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) METHOD AND DEVICE FOR CAPACITIVE DETECTION OF OBJECTS

Patent Period Started From 19/06/2008 and Will end on 18/06/2028

(57) Proximity of a person causes a change in the capacitance value of a sensor capacitor having a pair of capacitive plates. Said change is detected by: - charging said sensor capacitor by coupling it to a voltage supply, wherein said voltage supply is disconnected from a tank capacitor during said charging, - transferring charge from said sensor capacitor to a tank capacitor, wherein said voltage supply is disconnected from said tank capacitor during said charge transfer, - repeating said charging and charge transfer several times, - monitoring the voltage of said tank capacitor, and - determining at least one value which depends on the rate of change of the voltage of said tank capacitor. The capacitance of the capacitive sensor is typically low, typically in the order of 100 pF to 1 nF. The capacitance of the tank capacitor may be several orders of magnitude higher than the capacitance of the sensor capacitor. The large tank capacitor acts as a part of a low-pass filter which effectively filters out signal noise.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/01/2010** **24/2010** **January 2013** **15/04/2013** **26199**

(51)	**Int. Cl. [8] A01N 25/02 & A01P 7/04**
(71)	**1. RANDA M. ABD EL – RAHMAN (EGYPT)** **2.** **3.**
(72)	**1. RANDA M. ABD EL - RAHMAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**EXPLORATION THE INSECTICIDAL EFFECT OF THE OLEYL POLYPEPTIDE ON DIFFERENT INSECT PEST**
	Patent Period Started From 04/01/2010 and Will end on 03/01/2030

(57) The insecticidal effect of a safe medical substance, oleyl polypeptide was discovered. Different mortality percentages were recorded when Icerya aegyptiaca nymphs were treated with oleyl polypeptide , the mortality percentages of I. aegyptiaca nymphs ranged from 69.2 to 100%, LC50 was 0.235 ml/L. The mortality percentages of Aphis crassivora nymphs treated with oleyl polypeptide ranged from 71.7 to 100%, LC50 was 0.291 ml/L. The mortality percentages of Bemisia tabaci nymphs ranged from 65.9 to 100%, the LC50 was 0.393 ml/L. The mortality percentages of Spodoptera littorals fourth instar ranged from 74.3 to 100%, LC50 was 0.192 ml/L. The mortality percentages of Bactrocera zonata larvae ranged from 76.2 to 100%, LC50 was 0.22 ml/L. The mortality percentages of adults of Rhynchophorous ferrugineus when treated with oleyl polypeptide were 71.0 to 100%, LC50 was 0.227 ml/L.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/04/2010** **672/2010** **January 2013** **16/04/2013** **26200**

(51)	**Int. Cl.[8] B67C 7/00**
(71)	**1. LIU, Xianghua (CHINA)** **2. HUANG, Shengqiu (CHINA)** **3.**
(72)	**1. LIU, Xianghua** **2. HUANG, Shengqiu** **3.**
(73)	**1. HUNAN CHINASUN PHARMACEUTICAL MACHINERY CO., LTD. (CHINA)** **2.**
(30)	**1. (CN) 200720175741.9 – 23/10/2007** **2. PCT/CN2008/000878) – 29/04/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) AN INTEGRATION MACHINE OF CONCURRENTLY BLOWING, CLEANING, FILLING, AND CLOSING FOR THE PRODUCTION OF INFUSION PP BOTTLES

Patent Period Started From 29/04/2008 and Will end on 28/04/2028

(57) An integration machine of concurrently blowing, cleaning, filling, and closing for the production of infusion PP bottles, includes: a cleaning part; a filling part, located in the downstream part of the cleaning part; a sealing part, located in the downstream part of the filling part; and a blowing part, located in the upstream part of the cleaning part. The integration machine further includes: a handover part, a empty bottle sending track, a flip part , a part for sending out bottles, and a main conveyor track.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/04/2010** **708/2010** **January 2013** **17/04/2013** **26201**

(51)	**Int. Cl. [8] E21B 33/13**
(71)	**1. BEKER HUGHES INCORPORATED (UNITED STATES OF AMERCA)** **2.** **3.**
(72)	**1. HUANG, Tianping;** **2. CREWS, james b.** **3. WILLINGHAM, john r,** **4. Belcher, Christopher k.**
(73)	**1.** **2.**
(30)	**1. (US) 11/931.706 – 31/10/2007** **2. (PCT/US2008/080852) – 23/10/2008** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) NANO-SIZED PARTICLES FOR FORMATION FINES FIXATION

Patent Period Started From 23/10/2008 and Will end on 22/10/2028

(57) A treating fluid may contain an effective amount of a particulate additive to fixate or reduce fines migration, where the particulate additive is an alkaline earth metal oxide alkaline earth metal hydroxide, alkali metal oxides, alkali metal hydroxides transition metal oxides, transition metal hydroxides, post-transition metal oxides, post-transition metal hydroxides piezoelectric crystals and pyroelectric crystals. The particle size of the magnesium oxide or other agent may be nano-meter scale, which scale may provide unique particle charges that help fixate the formation fines. These treating fluids may be used as treatment fluids for subterranean hydrocarbon formations, such as in hydraulic fracturing, completion fluids, gravel packing fluids and fluid loss pills. The carrier fluid used in the treating fluid may be aqueous, brine, alcoholic or hydrocarbon-based.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/09/2007** **488/2007** **January 2013** **17/04/2013** **26202**

(51)	**Int. Cl. [8] G06F 19/00**
(71)	**1. SHEREEF AHMED FAREED (EGYPT)** **2.** **3.**
(72)	**1. SHEREEF AHMED FAREED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) MULTIPURPOSE PROGRAMMABLE ROBOTIC UNIT

Patent Period Started From 18/09/2007 and Will end on 17/09/2027

(57) The unit has several functions to do for many specimens in some factories and research centers, these functions are:- change temperature according to different times.- change pressure according to different times. - cooling by different time intervals.- change the specimen's position (which may be a one of three different coordinates) for different time intervals. We insert the values of temperature, pressure and time by using the control panel of the unit. These values act the main sequence of orders that drive the automatic system of the unit. The unit occupies (1m x 1m) area and (1.5m) height. It's mechanical system consists of three gear boxes each for one of the following actions:- The left/right motion of the arm.- The up/down motion of the arm. The close/open motion of the holder.- The electronic system consists of power, control and driver circuits. It is provided by a self protection system and indicators against some obstacles like the electrical shock.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/12/2009** **1830/2009** **December 2012** **21/04/2013** **26203**

(51)	**Int. Cl. [8] G01M 17/00 & G01N 29/06 , 29/22 , 29/26 , 29/265 , 29/27 & G01S 15/89**
(71)	**1. V&M FRANCE (FRANCE)** **2.** **3.**
(72)	**1. LESAGE, Frédéric** **2. NOËL, Alexandre** **3. NOGUEIRA DE PAULA, Renato**
(73)	**1.** **2.**
(30)	**1. (FR) 0704436 – 21/06/2007** **2. (PCT/FR2008/000837) – 16/06/2008** **3.**
(74)	**SMAS FOR INTELLECTUAL PROPERTY**
(12)	**Patent**

(54) METHOD AND APPARATUS FOR THE MANUAL NON-DESTRUCTIVE INSPECTION OF TUBULAR AXLE PINS HAVING VARIABLE INSIDE AND OUTSIDE RADIUS PROFILES

Patent Period Started From 16/06/2008 and Will end on 15/06/2028

(57) The invention relates to an axle pin inspection apparatus consisting of:
(i) at least one ultrasound probe for analysing selected portions of a wall (having known variable outside and inside radius profiles) of a tubular axle pin in a selected angular sector and, thereby, acquiring analysis data;
(ii) inspection means for determining at least a first and at least a second selected location at which each probe is to be positioned manually on the outer surface or inner surface of the wall, as a function of the profiles and optionally the loading and environment of the pin, so that the probe analyses at least a first and at least a second selected portion of the wall respectively in at least a first and at least a second selected angular sector oriented along first and second opposing longitudinal or transverse directions and so that the probe acquires analysis data for different relative angular positions of the pin in relation to the probe; and (iii) processing means for producing charts on the basis of said analysis data, which charts represent the transverse or longitudinal orientations and the echo indication positions inside the wall .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/10/2009** **1499/2009** **February 2013** **24/04/2013** **26204**

(51)	**Int. Cl.[8] F24F 5/00**
(71)	**1. MAHMOUD EBRAHIM AHMAD MOHOMED (EGYPT)** **2.** **3.**
(72)	**1. MAHMOUD EBRAHIM AHMAD MOHOMED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**AIR CONDITIONAR WORK WITH WATER**
	Patent Period Started From 12/10/2009 and Will end on 11/10/2029

(57) This air conditioner consists of two units:

1- Internal unit : which exists inside the room " first heat reservoir".

2- External unit : which exists outside "second heat reservoir".

By suction of the brine from condenser inside the room, at room temperature (T) with pump.

The brine will cold " second reservoir " with out mixing By decreasing of steam pressure, the temperature of the brine will reach (9C*) That temp.

Called : "D.B.T" which in fact (T2).

Discharging to the condenser "first reservoir".

One complete cycle takes 3 min.

No need for compressor in that state.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/02/2010** **174/2010** **February 2013** **28/04/2013** **26205**

(51)	**Int. Cl.** [8] **C07C 5/333 & B01J 38/16, 38/12**	
(71)	**1. THYSSENKRUPP UHDE GMBH (GERMANY)** **2.** **3.**	
(72)	**1. GEHRKE, Helmut** **2. HEINRITZ- ADRIAN,max** **3. MIAN, Muhammad Iqbal**	**4. NOLL, Oliver** **5. SCHWASS, Rolf** **6. WENZEL, Sascha**
(73)	**1.** **2.**	
(30)	**1. (DE) 10 2007036750. 5 – 03/08/2007** **2. (PCT/EP2008/006059) – 24/07/2008** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) REGENERATION OF CATALYSTS FOR DEHYDRATING ALKANES

Patent Period Started From 24/07/2008 and Will end on 23/07/2028

(57) The invention relates to a method for dehydrating alkanes, wherein the alkane is guided in a reactor for the dehydration of alkanes via a catalyst, and the process may be carried out adiabatically or non-adiabatically, and the catalyst for dehydration can be regenerated after the reaction phase by means of transferring a gas, wherein said gas is guided via the catalyst after a short rinsing phase using water vapor, and said regeneration gas consists of a gas containing oxygen and of steam, and after regeneration the catalyst is freed of the gas containing oxygen by transferring steam, wherein the duration of the transfer of a gas containing oxygen is significantly reduced as compared to common methods and represents 70% or less of the total regeneration time, and the catalyst has an increased selectivity for forming alkene by means of carrying out the regeneration at a constant activity, and the catalyst is comprised of a metal of the group of platinum metals or of the group VIB of the periodic table of the elements, which is applied to a carrier in the form of a compound or in elementary form, which substantially consists of oxides of the elements of tin, zinc, or aluminum.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/12/2010** **2067/2010** **February 2013** **28/04/2013** **26206**

(51)	**Int. Cl.** [8] **C02F 1/42, 1/04**
(71)	**1. ENI S.P.A. (ITALY)** **2.**
(72)	**1. MIGLIO, Roberta** **2. BIGNAZZI, Renzo** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) MI2008A001035 – 06/06/2008** **2. (PCT/EP2009/003850) – 28/05/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESS FOR THE TREATMENT OF THE AQUEOUS STREAM COMING FROM THE FISCHER-TROPSCH REACTION BY MEANS OF ION EXCHANGE RESINS

Patent Period Started From 28/05/2009 and Will end on 27/05/2029

(57) Process for the treatment of the aqueous stream coming from the Fischer-Tropsch reaction comprising:

-feeding the aqueous stream containing the organic by products of the reaction to a distillation or stripping column;

-separation from the column of an aqueous stream enriched in alcohols having from 1 to 8 carbon atoms and other possible volatile compounds;

-feeding the aqueous stream containing the organic acids leaving the bottom of the distillation column to an ion exchange step wherein said aqueous stream is put in contact with an anionic exchange resin bed and the production of two outgoing aqueous streams:

-an aqueous stream (i) enriched in organic acids having from 1 to 8 carbon atoms;

-a purified aqueous stream (ii) with a low content of organic acids.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/12/2010** **2222/2010** **February 2013** **28/04/2013** **26207**

(51)	**Int. Cl. [8] C10G 65/02 , 45/04**
(71)	**1. UOP LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. KALNES , Tom , N.** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/164,434 – 30/06/2008** **2. (PCT/US2009/044635) – 20/05/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) INTEGRATED PROCESS FOR UPGRADING A VAPOR FEED

Patent Period Started From 20/05/2009 and Will end on 19/05/2029

(57) Processes and systems are provided for removing contaminants from a vapor stream containing hydrocarbon and hydrogen, and can include: providing a feed stream to a first pressurized vapor liquid separator that produces a liquid stream and a vapor stream containing hydrocarbon and hydrogen, passing the vapor stream to an inlet of a particulate trap containing a plurality of treatment zones that remove contaminants from the vapor stream to produce a particulate trap effluent, and passing the particulate trap effluent directly to a catalytic hydrogenation zone. The processes and systems can also include: passing the liquid stream from the first pressurized vapor liquid separator to a second vapor liquid separator that produces an overhead vapor stream and a liquid bottoms stream, condensing the overhead vapor stream from the second vapor liquid separator to form a liquid overhead stream, routing the liquid overhead stream to the inlet of the particulate trap.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/11/2010** **1913/2010** **February 2013** **28/04/2013** **26208**

(51)	**Int. Cl. [8] F17C 11/00**
(71)	**1. COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES** **2. (FRANCE)** **3. CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE**
(72)	**1. GILLIA, Olivier** **2. BOTZUNG, Maxime** **3. LATROCHE, Michel**
(73)	**1.** **2.**
(30)	**1. (FR) 0853151 – 15/05/2008** **2. (PCT/EP2009/055728) – 12/05/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD OF MANUFACTURING A METAL-HYDRIDE HYDROGEN STORAGE RESERVOIR

Patent Period Started From 12/05/2009 and Will end on 11/05/2029

(57) Method of manufacturing a reservoir for storing hydrogen in a metal hydride powder, comprising a closed container divided into closed elementary cells defined by walls, each of the cells containing some metal hydride powder, characterized in that each of the cells is manufactured in succession by carrying out the following steps: some of the walls defining said container are assembled so as to form an open cell or cavity; then one or more bulk pieces of a material that can form a metal hydride are placed in said cavity; the final walls of the cell are then assembled so as to close it; the aforementioned steps are repeated in order to manufacture all the cells of the container; the container is then closed; and hydrogen is injected into the container so as to convert the bulk piece or pieces into the metal hydride.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/02/2007** **PCT/NA2007/000148** **November 2012** **28/04/2013** **26209**

(51)	**Int. Cl. [8] A61K 31/00**
(71)	**1. BOEHRINGER INGELHEIM INTERNATIONAL GMBH (GERMANY)** **2.** **3.**
(72)	**1. FRIEDL, Thomas** **2. BRICKL, Rolf-Stefan** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 04019249.4 – 13/08/2004** **2. (PCT/EP2005/053609) – 25/07/2005** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54) EXTENDED RELEASE PELLET FORMULATION CONTAINING PRAMIPEXOLE OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF; METHOD FOR MANUFACTURING THE SAME AND USE THEREOF

Patent Period Started From 25/07/2005 and Will end on 24/07/2025

(57) An extended release pellet comprising an active ingredient selected from pramipexole and the pharmaceutically acceptable salt thereof; and at least one release-modifying excipient.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/02/2011** **318/2011** **December 2012** **28/04/2013** **26210**

(51)	**Int. Cl. [8] F21S 8/00, F21V 17/14**
(71)	**1. ATALAY SUAVI (TURKEY)** **2.** **3.**
(72)	**1. ATALAY, Suavi** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (TR) 2008/06540 – 01/09/2008** **2. (PCT/TR2009/000094) –30/07/2009** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54)	**OVEN LAMP HOLDER WITH BAYONET LOCK**
	Patent Period Started From 30/07/2009 and Will end on 29/07/2029

(57) The present invention relates to a lamp holder with bayonet lock that provides interior illumination in kitchen equipment or similar devices, particularly in domestic ovens, and it is characterized in that it consists of (i) plastic or porcelain body with screw ring housing and terminal rivet hole on its inner surface, and mounting recesse, mounting protrusions and positioning wedge on its outer surface;

(ii) mounting frame with circular inner and outer diameter and located on the plastic or porcelain body, and having springy mounting pins seated at an angle of 180° from each other on its inner side, springy mounting hooks, locking pins and locking springs; and

(iii) glass enclosure located on the mounting frame shaped in almost semi-spherical form and equipped with a glass enclosure flange on the bottom part, fixing slots in pairs and locking track below the glass enclosure flange.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/08/2010** **1453/2010** **December 2012** **28/04/2013** **26211**

(51)	**Int. Cl. [8] C09C 1/42**	
(71)	**1. UNILEVER PLC (UNITED KINGDOM)** **2.** **3.**	
(72)	**1. BHATTACHARYA, Suman, K** **2. BHATTACHARYA, Tapomay** **3. DASTIDAR, Sudipta, G.**	**4. NAIK, Vijay, M.** **5. SRIVASTAVA, Anuj** **6. VAIDYA, Ashis, A.**
(73)	**1.** **2.**	
(30)	**1. (IN) 0668/MUM/2008 - 28/03/2008** **2. (EP) 08164175.5 – 11/09/2008** **3. (PCT/EP2009/053707) – 30/03/2009**	
(74)	**HODA AHMED ABD EL HADI**	
(12)	**Patent**	

(54)	**A PARTICLE WITH BIPOLAR TOPOSPECIFIC CHARACTERISTICS AND PROCESS FOR PREPARATION THEREOF**
	Patent Period Started From 30/03/2009 and Will end on 29/03/2029

(57) This invention relates to particles with bipolar topospecific characteristics and process of preparation thereof. It is an object of the present invention is to provide a particle with bipolar topospecific characteristics with two spatially distinct regions on its surface having non-identical surface characteristics. It has been found that particles prepared by topospecific treatment of an asymmetric clay precursor with an organyl or an organoheteryl group attached to coordinating cations of one of the surface sheets, provides a particle with bipolar topospecific characteristics with two spatially distinct regions on its surface having non-identical surface characteristics.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/08/2007** **PCT/NA2007/000928** **January 2013** **28/04/2013** **26212**

(51)	**Int. Cl. [8] C04B 24/40**
(71)	**1. CHRYSO (FRANCE)** **2.** **3.**
(72)	**1. ANDREAN, PIERRE-ANTOINE** **2. PELLERIN, BRUNO** **3. AYME, KAREN**
(73)	**1.** **2.**
(30)	**1. (FR) 0503855 – 18/04/2005** **2. (PCT/FR2006/000816) – 13/04/2006** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54) ADJUVANT FOR REDUCING CHROMIUM (VI) IONS INTO CHROMIUM (III)

Patent Period Started From 13/04/2006 and Will end on 12/04/2026

(57) The invention concerns an adjuvant for reducing chromium (VI) ions into chromium (III) comprising a tin (II) complex and a carboxylic acid or one of its salts, as well as a method for preparing same. The invention also concerns a method for preparing a material with reduced chromium (VI) content. The invention further concerns the use of said adjuvant for reducing chromium (VI) ions into chromium (III).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/08/2010** **1289/2010** **January 2013** **28/04/2013** **26213**

(51)	**Int. Cl. [8] C03B 5/235**
(71)	**1. SAINT-GOBAIN GLASS FRANCE (FRANCE)** **2.** **3.**
(72)	**1. ROUCHY, Patrice** **2. NETTER, Paul** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) (0850814) – 08/02/2008** **2. PCT/FR2009/050150) – 02/02/2009** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54) METHOD FOR HEATING A LOW-NOX GLASS FURNACE HAVING HIGH HEAT TRANSFER

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

(57) The invention relates to a method of heating molten glass by a furnace comprising side walls fitted with transverse burners and provided with regenerators, characterized in that at least one burner is fed with oxidizer comprising less than 30 vol % oxygen and with fuel in such a way that the oxidizer momentum/fuel momentum ratio ranges from 5 to 13. This operating mode provides excellent heat transfer to the glass and generates little pollution.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/10/2010** **1833/2010** **January 2013** **28/04/2013** **26214**

(51)	**Int. Cl. [8] A21D 2/18, 13/00 & A23L 1/0522, 1/09, 1/00**
(71)	**1. NESTEC S.A. (SWITZERLAND)** **2.** **3.**
(72)	**1. ARRACHID, Abdessamad** **2. TUDORICA, Carmen** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 0810856.5 -13/06/2008** **2. (GB) 0820696.3 – 12/11/2008** **3. (PCT/EP2009/004244) – 12/06/2009**
(74)	**EL DEEB OFFICE**
(12)	**Patent**

(54) FOOD PRODUCT

Patent Period Started From 12/06/2009 and Will end on 11/06/2029

(57) A NO OR low - suger wafer or an expanded extruded ceral product comprising monodisperse maltodextrins or fructooligosaccharides methods of making these compositions and food products containing these compositions.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/11/2010** **1927/2010** **February 2013** **29/04/2013** **26215**

(51)	**Int. Cl. [8] B01D 53/58, 53/78 & C05G 3/00**	
(71)	**1. UHDE FERTILIZER TECHNOLOGY B.V. (NETHERLANDS)** **2.** **3.**	
(72)	**1. NIEHUES, Paul** **2. FRANZRAHE, Harald** **3. POTTHOFF, Mathias**	**4. MONSTREY, Roland**
(73)	**1.** **2.**	
(30)	**1. (EP) 08008908,9 – 14/05/2008** **2. (PCT/EP2009/003171) – 04/05/2009** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) METHOD FOR REDUCING AEROSOL EMISSIONS IN A UREA GRANULATION PLANT

Patent Period Started From 04/05/2009 and Will end on 03/05/2029

(57) The invention relates to a process for the granulation of a concentrated urea solution whereas the granulation produces a urea granulate and a dust laden air, which is then fed into a dust scrubber which removes the coarser dust with a less concentrated urea solution and which releases a residual air comprising air with ammonia, carbon dioxide water and an aerosol comprising mainly ammonium isocyanate and a part of very fine urea sublimate, whereas the aerosol is then separated off and fed into a isomerisation unit which comprises a stripping where the ammonium isocyanate reacts with steam to form urea which is then redirected into the dust scrubber as a less concentrated urea solution, and the residual air is directed into an acidic scrubber which releases clean air into the atmosphere which finally leads to a recycling of the aerosol of ammonium isocyanate into urea. The invention also relates to a device for carrying out the related process.

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** **1168/2010** **February 2013** **29/04/2013** **26216**

(51)	**Int. Cl. [8] H04W 52/50, 52/14, 52/10, 52/24**
(71)	**1. TELEFONAKTIEBOLAGET L.M. ERICSSON (PUBL) (SWEDEN)** **2.** **3.**
(72)	**1. BALDEMAIR, Robert** **2. FURUSKÄR, Anders** **3. HASSELGREN, Joakim**
(73)	**1.** **2.**
(30)	**1. (US) 61/020.493 – 11/01/2008** **2. (PCT/SE 2008/051142) – 07/10/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHODS AND DEVICES FOR RANDOM ACCESS POWER CONTROL IN A COMMUNICATIONS NETWORK

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

(57) The invention relates to a method in a first communication device within a communications network for designing a random access transmission power setting of the first communication device comprising to receive data from a second communication device on a radio channel indicating a random access reception power. The first communication device determines a desired random access reception power of the second communication device based on the received data and a parameter of random access configuration that influences a detection performance of the random access at the second communication device. Based on the desired random access reception power the first communication device determines a random access transmission power to use and the first communication device designs the random access transmission power setting of the first communication device in accordance with the determined random access transmission to use.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/02/2009** **221/2009** **February 2013** **29/04/2013** **26217**

(51)	**Int. Cl. [8] B01J 20/32, 53/58 & C01B 31/08 & C05C 3/00 & C05F 3/00, 11/00, 7/00, 9/00**
(71)	**1. CARBON SOLUTIOS INC. (CANADA).** **2.** **3.**
(72)	**1. JOHNSON, Richard** **2. KUZUB, R. Eugene** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/823.347 – 23/08/2006** **2. (PCT/CA2007/001492) – 23/08/2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) ACID-IMPREGNATED ACTIVATED CARBON AND METHODS OF FORMING AND USING THE SAME

Patent Period Started From 23/08/2007 and Will end on 22/08/2027

(57) An acid-impregnated activated carbon matrix is formed from a carbonaceous material by the addition of a mineral acid, and may be used to chemisorb ammonia from a gas stream. The ammonia reacts with the acid to form a fertilizer salt. The spent matrix may be used as a fertilizer, or the fertilizer salt may be elutriated from the matrix.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/04/2010** **582/2010** **February 2013** **29/04/2013** **26218**

(51)	**Int. Cl. [8] C07C 253/24, 253/26, 255/03, 255/08**	
(71)	**1. INEOS USA LLC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. PAPARIZOS, Christos** **2. SEELY, Michael, J.** **3. BRAZDIL, James, F., Jr.**	**4. SUTRADHAR, Bhagya, Chandra**
(73)	**1.** **2.**	
(30)	**1. (US) 60/979.285 – 11/10/2007** **2. (US) 60/979.276 – 11/10/2007** **3. (PCT/US2008/011551) – 07/10/2008**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) PROCESS FOR THE AMMOXIDATION OR OXIDATION OF PROPANE AND ISOBUTANE

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

(57) A process for the ammoxidation or oxidation of a saturated or unsaturated or mixture of saturated and unsaturated hydrocarbon, the process including the steps of combining a performance modifier, a fresh mixed oxide catalyst, or a used mixed oxide catalyst and a fresh and used mixed oxide catalyst to form a catalyst mixture, and contacting the hydrocarbon with an oxygen-containing gas, or an oxygen-containing gas and ammonia, in the presence of the catalyst mixture. The performance modifier may include a compound selected from the group consisting of aluminum compounds, antimony compounds, arsenic compounds, boron compounds, cerium compounds, germanium compounds, lithium compounds, molybdenum compounds, neodymium compounds, niobium compounds, phosphorus compounds, selenium compounds, tantalum compounds, tellurium compounds, titanium compounds, tungsten compounds, vanadium compounds, zirconium compounds and mixtures thereof.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/06/2009** **928/2009** **February 2013** **29/04/2013** **26219**

(51)	**Int. Cl. [8] C07C 6/04**
(71)	**1. UOP LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BOZZANI Andrea G.** **2. GLOVER, Bryan K.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 11/643.604 – 21/12/2006** **2. (PCT/US 2007/086494) – 05/12/2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) A PROCESS FOR PRODUCING LIGHT OLEFINS FROM OXYGENATE CONVERSION FEEDSTOCK BY DIMERIZATION AND METATHESIS

Patent Period Started From 05/12/2007 and Will end on 04/12/2027

(57) A processing scheme and system for enhanced light olefin production, particularly for increased relative yield of propylene, involves oxygenate conversion to olefins and subsequent oxygenate conversion effluent stream treatment including dimerization of ethylene to butene and metathesis of butenes and/or hexenes with ethylene. The processing scheme and system may further involve isomerization of at least a portion of 1 butene to 2-butene to produce additional propylene.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/05/2010** **788/2010** **November 2012** **29/04/2013** **26220**

(51)	**Int. Cl. [8] C02F 1/20, 1/78, 9/02, 9/04 & B01D 19/00**
(71)	**1. DAGUA INC (CANADA)** **2.** **3.**
(72)	**1. LACASSE, Maurice** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (CA) 2,607,713 – 14/11/2007** **2. (PCT/CA 2008/001998) – 12/11/2008** **3.**
(74)	**MOHSEN ANWAR HASSAN**
(12)	**Patent**

(54)	**WATER TREATMENT APPARATUS**
	Patent Period Started From 12/11/2008 and Will end on 11/11/2028

(57) An apparatus for an ozone-based treatment of polluted water is disclosed. The apparatus generally comprises three stages. The first stage is an ozone treatment stage wherein the polluted water is treated with ozone gas. The second stage is a degassing stage wherein excess undissolved gases are removed from the water whereby the water exiting the degassing stage is essentially saturated with gases. The last stage of the apparatus is a membrane filtration stage wherein the gas-saturated water generally undergoes micro- filtration or ultra-filtration. Microbubbles formed during this final stage generally prevent the accumulation of particles and pollutants on the surface of the membranes and/or inside the openings or pores thereof; thereby acting as a self-cleaning mechanism for the membrane filter.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22) 11/01/2010** **(21) 48/2010** **(44) February 2013** **(45) 29/04/2013** **(11) 26221**

(51)	**Int. Cl.[8] A23C 15/14, 9/152, 9/156 & A23D 7/04 & A23L 1/29**
(71)	**1. FONTERRA CO-OPERATIVE GROUP LIMITED (NEWZEALAND)** **2.** **3.**
(72)	**1. ILLINGWORTH, David** **2. JANSSEN, Patrick William Mary** **3. CANT, Philip Arthur Euan** **4. STEPHENS, Graeme Robert**
(73)	**1.** **2.**
(30)	**1. (NZ) 556528 – 13/07/2007** **2. (PCT/NZ2008/000168) – 14/07/2008** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) METHOD OF MAKING A CONDENSED FLAVOUR CONCENTRATES OF DAIRY PRODUCTS

Patent Period Started From 14/07/2008 and Will end on 13/07/2028

(57) The present invention relates to methods of making flavour concentrates, in particular lipid, condensed and solids flavour concentrates, together with the flavour concentrates produced thereby. The flavour concentrates produced by the methods of the present invention have improved flavour and other characteristics and have wide application in the production of foods and beverages.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/01/2010** **78/2010** **February 2013** **29/04/2013** **26222**

(51)	**Int. Cl.[8] C11D 1/00, 3/22, 3/37, 3/00**	
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. TANG, Ming** **2. SUN, Yongmei** **3. PRICE, Kenneth, Nathan** **4. GONG, Suxuan**	**5. LIU, Sen** **6. HECHT, Stacie, Ellen** **7. SIVIK, Mark, Robert** **8. YAN, Peng**
(73)	**1.** **2.**	
(30)	**1. (US) 60/961.184 – 19/07/2007** **2. (PCT/IB2008/052806) – 11/07/2008** **3.**	
(74)	**HODA ANIS SERAG EL DEEN**	
(12)	**Patent**	

(54) DETERGENT COMPOSITION CONTAINING SUDS BOOSTING CO-SURFACTANT AND SUDS STABILIZING SURFACE ACTIVE POLYMER

Patent Period Started From 11/07/2008 and Will end on 10/07/2028

(57) A detergent composition having improved sudsing profile comprising 0.2% to 6% by weight of a suds boosting co-surfactant having the formula R-O-(CH2CH2O)nSO3-M+, wherein R is a branched or unbranched alkyl group having 8 to 16 carbon atoms, n is an integer from 0 to 3, M is a cation of alkali metal, alkaline earth metal or ammonium; 0.01% to 5% by weight of a surface active polymer having the properties: (i) the surface tension of a 39 ppm polymer solution in distilled water is from 40 mN/m to 65 mN/m as measured at 250C by a tensiometer; and (ii) the viscosity of a 500 ppm polymer solution in distilled water is from 0.0009 to 0.003 Pa.S as measured at 25°C by a rheometer; and 6% to 15% by weight of a main surfactant system. The total surfactant level in the detergent composition is less than 20% and the phosphate and/or aluminosilicate builder level in the detergent composition is less than 15% by weight.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/03/2010** **471/2010** **February 2013** **29/04/201324** **26223**

(51)	**Int. Cl.[8] C01G 65/14, 2/00, 45/58, 47/00 & C01L 1/08**
(71)	**1. JAPAN OIL, GAS AND METALS NATIONAL CORPORATION (JAPAN)** **2. INPEX CORPORATION (JAPAN)** **3. NIPPON OIL CORPORATION (JAPAN)** **4. JAPAN PETROLEUM EXPLORATION CO., LTD. (JAPAN)** **5. COSMO OIL CO., LTD. (JAPAN)** **6. NIPPON STEEL ENGINEERING CO., LTD. (JAPAN)**
(72)	**1. TANAKA, Yuichi** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2007-256545 – 28/09/2007** **2. (PCT/JP2008/067271) – 25/09/2008** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54)	**PROCESS FOR PRODUCING DIESEL FUEL**
	Patent Period Started From 25/09/2008 and Will end on 24/09/2028

(57) A process for producing a diesel fuel, characterized by fractionating in a first rectifier a synthetic oil obtained by the Fischer-Tropsch synthesis method into at least two fractions, i.e., an intermediate fraction and a wax fraction containing a wax ingredient heavier than the intermediate fraction, bringing the intermediate fraction into contact with a hydroisomerization catalyst to hydroisomerize the fraction and thereby obtain an isomerized intermediate fraction, bringing the wax fraction into contact with a hydrocracking catalyst to hydrocrack the fraction and thereby obtain a cracked wax fraction, fractionating the isomerized intermediate fraction and the cracked wax fraction in a second rectifier to fractionate these fractions into at least two fractions comprising a kerosine fraction and a gas oil fraction, and mixing the at least two fractions in a given proportion to obtain a diesel fuel having a dynamic viscosity as measured at 30°C of 2.5 mm2/s or higher and a pour point of -7.5°C or lower.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/09/2010** **1611/2010** **February 2013** **29/04/2013** **26224**

(51)	**Int. Cl.** [8] **H04W 8/26**
(71)	**1. TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)(SWEDEN)** **2.** **3.**
(72)	**1. WIDEGREN, Ina** **2. WAGER, Stefan** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/040,866 – 31/03/2008** **2. (US) 61/048,464 – 28/04/2008** **3. (PCT/SE 2009/050228) – 05/03/2009**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54)	**HANDLING IDENTIFIERS FOR ENHANCED DEDICATED CHANNELS IN CELL FORWARD ACCESS CHANNEL STATES**
	Patent Period Started From 05/03/2009 and Will end on 04/03/2029

(57) A device receives information regarding allocation of an enhanced dedicated channel radio network temporary identifier (E-RNTI) to user equipment in a cell forward access channel (Cell - FACH) state, and receives information regarding a state change associated with the user equipment. The device determines that the E-RNTI can be released based on the state change, and provides, to another device, a request to release the E-RNTI in response to the state change and so that the E-RNTI can be used by other user equipment.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/03/2011** **405/2011** **February 2013** **29/04/2013** **26225**

(51)	**Int. Cl.[8] H01B 9/06 & H026G 5/06**
(71)	**1. SIEMENS AKTIENGESELLSCHAFT (GERMANY)** **2.** **3.**
(72)	**1. MEINHERZ, Manfred** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102008049435.6 – 25/09/2008** **2. (PCT/EP2009/061555) – 07/09/2009** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54)	**BUSBAR ARRANGEMENT HAVING A FIRST AND A SECOND SUBCONDUCTOR**
	Patent Period Started From 07/09/2009 and Will end on 06/09/2029

(57) The invention relates to a busbar arrangement comprising a busbar section. The busbar section extends along a longitudinal axis and is enclosed by an encapsulating housing. The busbar section comprises a first and a second subconductor. A gap is arranged between the subconductors. The subconductors border a circular enveloping contour in cross-section.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/10/2010** **1748/2010** **January 2013** **29/04/2013** **26226**

(51)	**Int. Cl.[8] F16B 7/00 & F16L 27/00**
(71)	**1. MOHOMED ALY HASSAN AHMED (EGYPT)** **2.** **3.**
(72)	**1. MOHOMED ALY HASSAN AHMED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**UTILITY MODEL**
(12)	**Patent**

(54)	**CONTROL SYSTEM IN THE MODERN TECHNOLOGICAL SUPPLIES DRINKING WATER AND WASTE WATER WHICH MADE OF PLASTIC**
	Patent Period Started From 18/10/2010 and Will end on 17/10/2017

(57) Control System In The Modern Technological Supplies Drinking Water And Waste Water Which Made Of Plastic.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/11/2007** **603/2007** **February 2013** **29/04/2013** **26227**

(51)	**Int. Cl. [8] C02F 1/00 , 9/00 & E04H 4/00**
(71)	**1. CRYSTAL LAGOONS CORPORATION LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. FERNANDO Benjamin** **2. FISCHMANN Torres** **3.**
(73)	**1.** **2.**
(30)	**1. (CL) 3225-2006 - 21/11/2006** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**A PROCESS TO MAINTAIN WATER BODIES LARGER THAN 15,000 M3 FOR RECREATIONAL USE WITH COLOR, TRANSP AND CLEANNESS CHARACTERISTICS SIMILAR TO SWIMMING POOLS OR TROPICAL SEAS AT LOW COST**
	Patent Period Started From 21/11/2007 and Will end on 20/11/2027

(57) The invention discloses a process to maintain water bodies larger than 15,000 m3 for recreational use, including lakes and artificial lagoons, with desirable color, transparency and cleanness properties, wherein the process comprises:

a) providing a structure with skimmers able to contain a large water body, larger than 15,000 m3:

b) feeding the structure of step (a) with inlet water having having iron and manganese levels lower than 1.5 ppm and turbidity lower than 5 NTU;

c) measuring water pH, wherein the PHis maintained no lower than 5 and no higher than 9;

d) adding an oxidizing agent to the water body contained in the structure of step (a), to maintain an oxidation reduction potential (ORP) of at least 600 mV in the water body using a pulse of at least 4 hours within a 48 hour cycle;

e) adding a flocculating agent in concentrations within 0.02 and 1 ppm over a time period no greater than 6 days to precipitate impurities in the water to the bottom of the structure of step (a):

f) cleaning the bottom of the structure of step (a), which a movable suction device to remove the precipitated impurities from the bottom of said structure, together with the additional flocculants: and

g) generating a displacement of surface water containing impurities and surface oils by injecting inlet water according to step (b) , which generates said displacement in order to remove said surface water using said skimmers provided in the structure of step (a), which together with step (f) replaces filtration to remove suspended debris from the whole water body.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/08/2007** **PCT/NA2007/000856** **February 2013** **30/04/2013** **26228**

(51)	**Int. Cl.** [8] **B42D 15/10**
(71)	**1. BUNDESDRUCKEREI GMBH (GERMANY)** **2.** **3.**
(72)	**1. MULLER, Carsten** **2. LORTZ, Michael** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 10 2005 003 644.7 – 03/03/2005 –** **2. (DE) 10 2005 018 912.1 – 22/04/2005** **3. (DE) 10 2005 020 198.9 – 28/04/2005** **4. (PCT/EP2006/001833) – 28/02/2006**
(74)	**MAGDA HAVOUR**
(12)	**Patent**

(54)	**BOOK-TYPE DOCUMENT, IN PARTICULAR AN IDENTIFICATION DOCUMENT**
	Patent Period Started From 28/02/2006 and Will end on 27/02/2026

(57) The invention relates to a book-type document, in particular an identification document, comprising a binding or cover, which contains at least one support system for at least one transponder unit and internal pages, which are encompassed by the binding or cover. According to the invention, the support system or systems is or are sewn to at least one internal page and said support system or systems is or are configured as a pre-laminated page, which can be printed on at least one side and act or acts as a personal data page or header for the binding or cover.

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

GRANTED PATENTS' ABSTRACTS GAZETTE

" PATENTS ISSUED MAY IN 2013"

Egyptian Patent Office

Issue No 205 **JUNE 2013**

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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
Patent Number	11
Patent Kind	12
Application Number	21
Filing Date	22
Priority Number Priority Date Priority Country	30
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SV	El Salvador
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SZ	Swaziland
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TJ	Tajikistan
TH	Thailand
TM	Turkmenistan
TN	Tunisia
TR	Turkey
TT	Trindad and Topago
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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 (2013)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/06/2010** **0951/2010** **November 2012** **02/05/2013** **26229**

(51)	**Int. Cl.** [8] **B41N 1/06**
(71)	**1. SAMAH MOHAMED HASSAN MOHAMED ALZ (EGYPT)** **2.** **3.**
(72)	**1. SAMAH MOHAMED HASSAN MOHAMED ALZ** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) MACHINE OF PATTERN WITH ALMAZ

Patent Period Started From 07/06/2010 and Will end on 06/06/2030

(57) This invention is based on a set of electrical and mechanical concepts related to controlling speed and movement of metals in the course of being inscribed and studded with artificial diamond fragments, consequently, this products conspicuous luminosity and glitter, together with multiple forms to used in different decoration burbases, e.g., making chandeliers, curtain tubes and many other fields. Such invention would be definitely regarded as an alternative to silver and gold metal plating.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/09/2010** **1506/2010** **February 2013** **02/05/2013** **26230**

(51)	**Int. Cl. [8] C01B 3/38, 3/48, 3/56 & C10G 2/00**
(71)	**1. JAPAN OIL, GAS AND METAIS NATIONAL CORPORATION (JAPAN)** **2. INPEX CORPORATION (JAPAN)** **3. JX NIPPON OIL & ENERGY CORPORATION (JAPAN)** **4. JAPAN PETROLEUM EXPIORATION CO., LTD (JAPAN)** **5. COSMO OIL CO., LTD (JAPAN)** **6. NIPPON STEEL ENGINEERING CO., LTD (JAPAN)** **7. CHIYODA CORPORATION (JAPAN)**
(72)	**1. YAGI, Fuyuki** **2. KAWAZUISHI, Kenichi** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2008-065465 – 14/03/2008** **2. (PCT/JP2009/055217) – 11/03/2009** **3.**
(74)	**Smas for intellectual property**
(12)	**Patent**

(54)	**PROCESS FOR PRODUCING LIQUID HYDROCARBONS FROM NATURAL GAS**
	Patent Period Started From 11/03/2009 and Will end on 10/03/2029

(57) In a so-called GTL process of producing synthesis gas from natural gas, produced Fischer-Tropsch oil by way of Fischer-Tropsch synthesis of thee Obtained synthesis gas and producing liquid hydrocarbons containing fuel oil by upgrading, the synthesis gas produced from the synthesis gas production step is partly branched off prior to getting to the Fischer-Tropsch oil production step and the synthesis gas entering the branch line is subjected to a water gas shift reaction to raise the hydrogen concentration thereof. Subsequently, high-purity hydrogen is isolated from the synthesis gas and the residual gas left after the isolation is circulated to the synthesis gas production step and used as raw material for Synthesis gas production. As a result, a significant improvement can be achieved in terms of raw material consumption per product of the entire process.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/11/2000** **1487/2000** **December 2012** **05/05/2013** **26231**

(51)	**Int. Cl. [8] C12N 15/82**
(71)	**1. INSTITUE OF MOLECULAR AGROBIOLOGY (SINGAPORE)** **2.** **3.**
(72)	**1. CHEN, Zhi, Xian** **2. ZHANG, LIANHUI** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) HIGH -EFFICIENCY AGROBACTERIUM - MEDIATED TRANSFORMATION OF COTTON USING PETIOLE EXPLANTS

Patent Period Started From 29/11/2000 and Will end on 28/11/2020

(57) A method is disclosed for producing a transgenic cotton plant by agrobacterium mediated transformation of petiole tissue the method comprises the steps of (a) obtaining cotton petiole explants (b) exposing the petiole explants to a culture of agrobacterium tumefaciens that harbors a vector comprising an exogenous gene and a sel;ectable marker the agrobacterium being capable of effecting the stable transfer of the exogenous gene and selection agent resistance gene to the genome of the cells of the petiole explant(c) culturing the petiole explants to induce callus formation (d) selecting transformed callus that expresses the exogenous gene(e) culturing the selected callus in suspension culture to induce formation of embryoids(f) regenerating the embryoids into whole transgenic cotton plants.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/10/2010** **1712/2010** **February 2013** **05/05/2013** **26232**

(51)	**Int. Cl. [8] F16H 33/10**
(71)	**1. ERKE ERKE ARASTIRMALARI VE MUHENDISLIK A.S. (TURKEY)** **2.** **3.**
(72)	**1. OZTURK, MUSTAFA, Naci** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) (PCT/US2008/003028) – 17/04/2008** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**GEAR DEVICE, PREFERABLY MOTOR DEVICE**
	Patent Period Started From 17/04/2008 and Will end on 16/04/2028

(57) The invention concerns a gear device, preferably motor device, for providing rotation about at least one output axis and a method for providing rotation. A body is mounted for a rotation about first, second, and third axes. The first axis is oriented with respect to the second axis at an inclination angle. The second axis and/or the third axis constitute the at least one output axis of device. The rotation of the body about the third axis gives rise to a change in the inclination angle. A ram applies a torque to the body about the third axis in a sense of increasing inclination angle when the first axis is at a selected inclination angle with respect to the second axis which is greater than 0° and less than 90°. The rotation of the body about the third axis in a sense of decreasing inclination angle is limited such that the inclination angle of the first axis with respect to the second axis remains greater than 0 degrees and less than 90 degrees. The body is rotated about the first axis at an angular velocity greater than a critical angular velocity so that a constant or a decreasing inclination angle is reached.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/07/2008** **1257/2008** **February 2013** **05/05/2013** **26233**

(51)	**Int. Cl.[8] C08F 10/00, 4/659 & C07F 15/00**
(71)	**1. CHEVRON PHILIPS CHEMICAL COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. YNG, Qing** **2. JAYARATNE, Kumudini C** **3. JENSEL, Michael D.** **4. MCDANIEL, Max** **5. MARTIN, Joel L** **6. THORN, Matthew G.** **7. LANIER, Jerry T** **8. CRAIN, Tony R.**
(73)	**1.** **2.**
(30)	**1. (US) 11/359972 – 22/02/2006** **2. (PCT/US2007/062555) – 22/02/2007** **3.**
(74)	**Smas for intellectual property**
(12)	**Patent**

(54) DUAL METALLOCENE CATALYSTS FOR POLYMERIZATION OF BIDODAL POLYYMERS

Patent Period Started From 22/02/2007 and Will end on 21/02/2027

(57) This invention relates to catalyst compositions , method and polymers encompassing at least one first group 4 matallocene compound comprising bridging & eng 5- cyclopentadientyl - type ligands , in combination with at least one second group metallocenewith non-bridging & eng5- cyclopentadieyl - type ligands , typically in combination with at least one cocatalyst , and at least one activator . The compositions and methods disclosed herein provide ethylene polymers with a bimodal molecular weight distribution.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/07/2008** **1258/2008** **February 2013** **05/05/2013** **26234**

(51)	**Int. Cl.** [8] **C08F 10/00, 4/659 & C07F 15/00**
(71)	**1. CHEVRON PHILIPS CHEMICAL COMPANY LP (UNITED STATES F AMERICA)** **2.** **3.**
(72)	**1. YANG, Qing** **2. JENSEN, Michael d'** **3. MARTIN, Joel l.** **4. THORN, Matthew g.** **5. MCDSNIEL, Max P.** **6. ROHLFING, David C.**
(73)	**1.** **2.**
(30)	**1. (US) 11/345966– 02/02/2006** **2. (PCT/US2007/61519) – 02/02/2007** **3.**
(74)	**Smas for intellectual property**
(12)	**Patent**

(54) POLYMERIZATION CATALYSTS FOR PRODUCING POLYMERS WITH LOW LEVELS OF LONG CHAIN BRANCHING

Patent Period Started From 02/02/2007 and Will end on 01/02/2027

(57) This invention relates to catalyst composition , methods , and polymers encompassing at least one Group 4 metallocene compound comprising bridging & eegr; 5-cyclopentadienyl - type ligands , typically in combination with at least one cocatalyst , and at least one activator . The composition and methods disclosed herein provide ethylne polymers with low levels of long chain branching.

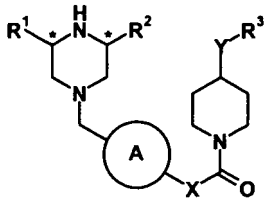
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/01/2008** **0090/2008** **January 2013** **07/05/2013** **26235**

(51)	**Int. Cl. [8] C07D 401/10**
(71)	**1. GLAXO GROUP LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. JOHNSON, Christopher, Norbert** **2. MACPHERSON, David, Timothy** **3. STANWAY, Steven, James** **4. STEMP, Geoffrey** **5. THOMPSON, Mervyn** **6. WESTAWAY, Susan, Marie**
(73)	**1.** **2.**
(30)	**1. (GB) 0515381,2 – 26/07/2005** **2. (GB) 0611469,8 – 09/06/2006** **3. (PCT/EP2006/007390) – 24/07/2006**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) BENZYLPIPERAZIN DERIVATIVES HAVE ACTIVITY AS AGONIST OF G P R 38 RECEPTOR

Patent Period Started From 24/07/2006 and Will end on 23/07/2026

(57) The present invention relates to benzylpiperazine derivatives such as compounds of formula (1) which have activity as agonists of the g p r 38 receptor and the use of such compounds or pharmaceutical compositions thereof in the preparation of medicaments suitable for the treatment of gastrointestinal disorders.



(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)**	**02/08/2010** **1285/2010** **November 2012** **07/05/2013** **26236**

(51)	**Int. Cl. [8] A23l 1/00**
(71)	**1. MONA IBRAHIM MASSOUD HASAN (EGYPT)** **2.** **3.**
(72)	**1. MONA IBRAHIM MASSOUD HASAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**Alexandria University – Focal Point**
(12)	**Patent**

(54)	**AN APPROACH TO INCREASE SUCROSE SWEETNESS INTENSITY RATE BY ADDING NATURAL STEVIA SWEETNESS**
	Patent Period Started From 02/08/2010 and Will end on 01/08/2030

(57) The stevia sweeteners (stevioside (St) rebaudioside A(RA) and is extrat) was added during the process of concentration under vacuum , the solution was concentrated to 65+2 Brix and reduce het to 50+ 20. The crystsls of sugar of sugar were separated by centrifugation and crystal sugar was dried and cooled then packed. In the other side the sweeteners concentrates can be added during the sucrose crystallization process to covering of crystal sugar. The sucrose – sweeteners rates are greater than the sweetener of sucrose. Its can be considered as an economic sweeteners, it can reduce consumption of the quantity of sugar obtained from both cane and beet crops. In addition, this blend can be used in food, for patients suffer from diabetic and obese.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/06/2010** **1099/2010** **February 2013** **08/05/2013** **26237**

(51)	**Int. Cl. [8] C08F 10/00, C08F 4/6592**	
(71)	**1. CHEVRON PHILLIPS CHEMICAL COMPANY LP (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. MURRAY, Rex E.** **2. MARTIN, Joel L.** **3. JAYARATNE, Kumudini C.**	**4. YANG, Qing**
(73)	**1.** **2.**	
(30)	**1. (US) 11/965982 – 28/12/2007** **2. (PCT/US2008/013705) – 15/12/2008** **3.**	
(74)	**SMAS FOR INTELLECTUAL PROPERTY**	
(12)	**Patent**	

(54) NANO-LINKED METALLOCENE CATALYST COMPOSITIONS AND THEIR POLYMER PRODUCTS

Patent Period Started From 15/12/2008 and Will end on 14/12/2028

(57) The present invention provides polymerization catalyst compositions employing novel dinuclear metallocene compounds. Methods for making these new dinuclear metallocene compounds and for using such compounds in catalyst compositions for the polymerization and copolymerization of olefins are also provided.

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)**	**25/03/2010** **0491/2010** **February 2013** **08/05/2013** **26238**

(51)	**Int. Cl. [8] C09K B/50, 8/506 & E21B 33/12**
(71)	**1. HALLIBURTON ENERGY SERVICE INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. DUSTERHOFT, RONALD , INC** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 11/903.952– 25/09/2007** **2. (US) 11/903,814 – 25/09/2007** **3. (PCT/GB 2008/003154) – 18/09/2008**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHODS AND COMPOSITIONS RELATING TO MINIMIZING PARTICULATE MIGRATION OVER LONG INTERVALS

Patent Period Started From 18/09/2008 and Will end on 17/09/2028

(57) Methods are described that are useful in treating subterranean formations and, more particularly, to minimizing particulate migration over long intervals in subterranean well bores that may be horizontal, vertical, deviated, or otherwise nonlinear. In one embodiment, a method is presented comprising: providing a well bore comprising an open hole section of about 30 feet or more that comprises an open hole section with a filter cake neighboring at least a portion of a reservoir; allowing the integrity of at least a portion of the filter cake to become compromised; and treating at least a portion of the open hole section with a consolidating agent system in a single stage operation so as to at least partially reduce particulate migration in the open hole section.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/03/2010** **0514/2010** **December 2012** **08/05/2013** **26239**

(51)	**Int. Cl. [8] C04B 35/468, C04B 35/47**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. DR. DOAA ABDEL NABY ABDEL AZIZ** **2. DR. WAGDY MOKHTAR NAGIUB NOUR** **3. AISHA EZZ EL-DIN REDA GABER MOHAMED**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT (NATIONAL RESEARCH CENTER)**
(12)	**Patent**

(54)	**PREPARATION OF ELECTRO- CERAMICS BODIES BASED ON BARIUM STRONTIUM ZINC TITANATE USED IN HIGH FREQUENCY**
	Patent Period Started From 29/03/2010 and Will end on 28/03/2030

(57) Chemically pure strontium oxide and barium oxide in the form of strontium carbonate and barium carbonate and titanium dioxide were prepared by conventional solid state route in this study to form barium strontium titanate ceramic bodies according to the compositions BaxSr1-xTiO3 ($0.00 \leq x \geq 0.30$ mol). Also, The effect of dopants in the form of ZnO with different concentrations (0.10, 0.15 and 0.20 mol %) on the properties of barium strontium titanate ceramic bodies were studied in order to improve the microwave dielectric properties. Because these materials can be used in microwave devices such as long range military search radar, cellular phones, microwave ovens, airport search radar, satellite downlink, studio transmitter link, etc with frequency range between 40MHz - 8GHz. The Physical properties in terms of bulk density and apparent porosity were determined for the fired specimens. The selected (BST) ceramic bodies sintered at optimum sintering temperature were characterized for their crystal structure, microstructure and microwave dielectric properties in terms of dielectric constant (εr), dielectric loss (DL) and quality factor (Q x f) by using X-ray diffraction (XRD), scanning electron microscopy (SEM) and microwave dielectric measurements, respectively. All BaxSr1-xTiO3 ($0.00 \leq x \geq 0.30$ mol) ceramic bodies containing ZnO had a significant effect on reducing sintering temperature by 50oC as compared with pure samples So, it is recommended that BST10 (Ba0.1Sr0.9tiO3) with 0.15mol% ZnO additions had a high quality factor at ~2GHz can be used in the applications of microwave devices.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/07/2010** **1275/2010** **December 2012** **08/05/2013** **26240**

(51)	**Int. Cl. [8] G07G 1/14**
(71)	**1. CHEN, Yawl in, C. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. CHEN, Yawl in, C.** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/028,494 - 13/02/2008** **2. (US) 61/040,113 – 27/03/2008** **3. (US) 61/087,882 – 11/08/2008** **4. (PCT/US2009/033945) – 12/02/2009**
(74)	**HESHAM RAUOF MAHMOUD**
(12)	**Patent**

(54)	**SYSTEM AND METHOD OF MARKETING BEAUTY PRODUCTS-SYSTEME ET PROCEDE DE COMMERCIALISATION DE PRODUITS DE BEAUTE**
	Patent Period Started From 12/02/2009 and Will end on 11/02/2029

(57) The present invention relates to a system and method of marketing beauty products, and more particularly to a system and method of marketing beauty products to male customers in a male-frequented setting. In one embodiment, the method includes obtaining a display having advertising space for beauty products, locating the display in a male- frequented venue, and providing information about and access to the beauty products at the display. The display may be, for example, a freestanding kiosk. The male-frequented venue may be an automotive store, such as an automotive parts store or service center, or a non- automotive store or venue, such as an electronics or home improvement store or sports arena. The method provides a cost-effective, economical, convenient, comfortable, reliable, and private way to advertise and provide access to beauty products directly to target consumers without the disadvantages related to marketing through traditional advertising and retail channels. TP/tp.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/04/2010** **0644/2010** **December 2012** **09/05/2013** **26241**

(51)	**Int. Cl. [8] G01R 21/133**
(71)	**1. SAMEIR ABDEL BASSET ABDULLAH ABO HASHESH (EGYPT)** **2.** **3.**
(72)	**1. SAMEIR ABDEL BASSET ABDULLAH ABO HASHESH** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) PRECEDENT PAYMENT SINGLE PHASE INDUCTION METER

Patent Period Started From 20/04/2010 and Will end on 19/04/2030

(57) It is changing single phase induction meter to become precedent payment .this will occur by replacing recorder of induction meter to recording unit. it is provided with pointer read the values on scale graded from zero to consumption maximum value. When the consumption reaches to (0.9) from consumption maximum value Then disconnection unit will connect warning tool to warn the consumer about nearest end of consumption the electrical energy which he pay it and he must be go to The electricity company to pay anther quantitative of electrical energy and replace the recording unit and leads by a new parts. if consumer isn't response for warning the consumption value reached to the consumption maximum value and then the disconnection unit will disconnect the supply voltage about the consumer electrical loads.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/03/2010** **0339/2010** **February 2013** **09/05/2013** **26242**

(51)	**Int. Cl. [8] A61K 38/00 & A23C 9/13, 21/00**
(71)	**1. AHMED ATEF GOMMA MOURAD (EGYPT)** **2. AMAL GALAL AHMED ABOU EL ELLA** **3. HASSAN ABDEL-RAHMAN ABDEL-RAHMAN**
(72)	**1. AHMED ATEF GOMMA MOURAD** **2. AMAL GALAL AHMED ABOU EL ELLA** **3. HASSAN ABDEL-RAHMAN ABDEL-RAHMAN**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	A **METHOD FOR PREPARATION A MEDICAL FORMULATION FOR WOUND HEALING FROM THE EXTRACT OF BUFFALOS CHEESE WHEY**
	Patent Period Started From 01/03/2010 and Will end on 28/02/2030

(57) This innovation deal with a method for preparation a medical formulation for wound healing for the extract of buffalos cheese whey (solution and/or gel) were used as topical wound dressing for enhancement of healing process with no side effects in a short time relative to chemical and antimicrobial wound preparations.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/04/2007** **PCT/NA2007/000369** **Apiary 2011** **13/05/2013** **26243**

(51)	**Int. Cl. [8] A01G 9/10, 9/08**
(71)	**1. PFALZ, THOMAS (GERMANY)** **2. PFALZ, BERND (GERMANY)** **3.**
(72)	**1. PFALZ, Thomas** **2. PFALZ, Bernd** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102004050400.8 – 15/10/2004** **2. (DE) 102005002392.4 – 19/01/2005** **3. (PCT/DE2005/001839) – 15/10/2005**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHOD FOR THE MIXING AND SPRAYING OF TREATMENT AGENTS AND FOR RAPID GENERATION OF A PERSISTENT AEROSOL AND DEVICE FOR CARRYING OUT SAID METHOD**
	Patent Period Started From 15/10/2005 and Will end on 14/10/2025

(57) The invention further relates to a method for mixing treatment agents with air or other gases or gas mixtures and for spraying the air or gas/treatment agent mixture and a method for rapid generation of a very persistent aerosol with the corresponding device and corresponding nozzles. The invention is of application to plant protection, pest control and similar specialties.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/02/2008** **0246/2008** **February 2013** **14/05/2013** **26244**

(51)	**Int. Cl. [8] A62C 3/02 & F42B 12/20**
(71)	**1. BASSAM AHMED AHMED BADWY ZAYED (EGYPT)** **2.** **3.**
(72)	**1. BASSAM AHMED AHMED BADWY ZAYED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**FIRE ENGINE BOMBS B 84**
	Patent Period Started From 11/02/2008 and Will end on 10/02/2028

(57) This invention is about a fire engine which is made of fire – proof paper in the form of cylindrical packages that contain the stake ingredient (such as the powered of Granite), and an explosive ingredient that spreads the slake ingredient when the explosion happens, by throwing it so that explodes inside the fire.

This type of fire engines is small, cheap and very effective in auto- slake systems in different buildings and putting out the fires of the forests.

This invention is produced by manufacturing companies of the fire equipments.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/02/2011** **0239/2011** **January 2013** **20/05/2013** **26245**

(51)	**Int. Cl. [8] H01H 39/00**
(71)	**1. ABB TECHNOLOGY AG (SWITZERLAND)** **2.** **3.**
(72)	**1. GENTSCH, Dietmar** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 08015423.0 – 01/09/2008** **2. (PCT/EP2009/006205) – 27/08/2009** **3.**
(74)	**SMAS INTELLECTUAL PROPERTY**
(12)	**Patent**

(54) A LOW-VOLTAGE, MEDIUM-VOLTAGE OR HIGH-VOLTAGE ASSEMBLY

Patent Period Started From 27/08/2009 and Will end on 26/08/2029

(57) The invention relates to an assembly concerning to low-voltage, medium-voltage or high-voltage use having at least one short circuiting device in which a moving contact piece can be closed onto a fixed contact piece. In order to prevent breakdown in any case under rated voltage condition, it is proposed in the invention, that along the moving path of the moving contact piece (50) are arranged at least two separated vacuum zones or vacuum volumina (60, 100).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/02/2007** **0062/2007** **February 2013** **20/05/2013** **26246**

(51)	**Int. Cl.** [8] **A61K 9/70 , 31/568**
(71)	**1. DR. NAZIK ABD EL-LATIF EL-GINDY (EGYPT)** **2. DR. WAEL MAHMOUD SAMY** **3. DR. ADEL MOHAMED MOTAWI** **4. KOKAB NADEM OMAR ELSERAG – AHMED MOHAMED ADEL EL-EGAKI – RANA** **5. MOHAMED ADEL EL-EGAKI**
(72)	**1. DR. NAZIK ABD EL-LATIF EL-GINDY** **2. DR. WAEL MAHMOUD SAMY** **3. DR. ADEL MOHAMED MOTAWI** **4. DR. MOHAMED ADEL EL-EGAKI**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**PREPARATION OF TRANSDERMAL DRUG DELIVERY SYSTEMS FOR TESTOSTERONE**
	Patent Period Started From 05/02/2007 and Will end on 04/02/2027

(57) Androgen deficiency occurs with disorders that damage the testes, including traumatic or surgical castration. The aim of this project is to prepare testosterone patches of drug-in-adhesive type suitable for manufacture in the local market with cheap available components. The use of Eudragit E-100 matrices with the incorporation of 5% w/w Eudragit RL-100 secondary polymer resulted in increasing testosterone release in all the tested animals. The patches were prepared by film casting over a layer of the backing membrane using isopropanol/ethyl acetate solvent mixture. Span 85 was used in the solvent mixture along with triacetin plasticizer. The obtained testosterone flux was satisfactory to get the required testosterone serum results reported for the management of male hypogonadism.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/12/2010** **2209/2010** **February 2013** **20/05/2013** **26247**

(51)	**Int. Cl. [8] C10L 5/44**
(71)	**1. CREATIVE CO. LTD (JAPAN)** **2.** **3.**
(72)	**1. KIYAMA, Michihiro** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2008-181132 – 11/07/2008** **2. (PCT/JP2008/066335) – 10/09/2008** **3.**
(74)	**TARIQ MAHMOOD BADRAN**
(12)	**Patent**

(54) SOLID FUEL

Patent Period Started From 10/09/2008 and Will end on 09/09/2028

(57) It is intended to provide a solid fuel having a stable calorific value by using waste wood material, used paper, and waste thermoplastic resin in a balanced manner. The solid fuel is characterized by comprising a mixture of wood chips with a size of from 1 to 25 mm, paper chips with a size of from 1 to 25 mm, and thermoplastic resin. The mixture comprises 5 to 15 parts by weight of the thermoplastic resin based on 85 to 95 parts by weight of the total weight of the wood chips and the paper chips, and the wood chips and the paper chips at a weight ratio of from 20:80 to 90:10, and is shaped.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/03/2009** **0344/2009** **February 2013** **26/05/2013** **26248**

(51)	**Int. Cl. [8] C02F 1/68 & B01F 17/26, 17/40**
(71)	**1. EGYPTIAN PETROLEUM RESEARCH INSTITUTE (EGYPT)** **2.** **3.**
(72)	**1. DR. AHMED MOHAMED AHMED AL-SABAGH** **2. DR. SALAH EL-DEN AHMED KHALIL** **3. DR. MAHMOUD RYAD NOOR EL-DIN MAHMOUD**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) SYNTHESIS OF NON-IONIC ENVIRONMENTALLY FRIENDLY NOVEL SURFACTANTS FROM LOCAL RAW MATERIALS AND THEIR USE AS OIL SPILL DISPERSANT IN OIL POLLUTED WATER

Patent Period Started From 16/03/2009 and Will end on 15/03/2029

(57) This invention relates to the preparation of an effective non- ionic oil spill dispersant from local raw materials to disperse extremely aged and tough polluted water by crude oil. The preparation process takes place in five steps:- 1) The first is to prepare alkyl benzene sulfonamide by reaction of alkyl benzene sulfonic acid with monoethanol amine at 110-180 oC. 2) The second step is to ethoxylate the alkyl benzene sulfonamide using ethylene oxide gas (introduced 5-20 ethylene oxide units) in presence of Na-metal at 180-200oC. 3) The third step is to propoxylate the ethoxylated alkyl benzene sulfonamide using propylene oxide gas (introduced 10-15 ethylene oxide units) in presence of Na-metal at 180-200oC. 4) The forth step is to ethoxylate the alkyl phenol using ethylene oxide gas (introduced 5-30 ethylene oxide units) in presence of Na-metal at 180-200oC. 5) Mixing products no. (3) and (4) in the effective mixed ratio (3:1, respectively) . The final product has been tested as oil spill dispersant to disperse the tough polluted water by crude oil on both laboratory and field scales. The dispersion efficiency approached 95-100%.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/09/2007** **0460/2007** **February 2013** **26/05/2013** **26249**

(51)	**Int. Cl. [8] F16L 58/10**
(71)	**1. EGYPTION PETROLEUM RESEARCH INSTITUTTE (EGYPT)** **2.** **3.**
(72)	**1. MAHER ABAS ELSOCKARY** **2. AYMAN MOHAMADY ATTA** **3. USAMA FARIED KANDIL**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**METHOD FOR IMPROVEMENT PROPERTIES OF HIGH DENSITY POLYETHENE FOR PETROLEUM AND GAS PIPELINE COATING**
	Patent Period Started From 05/09/2007and Will end on 04/09/2027

(57) Method to improve PE properties with regards to mechanical properties with regards to impact, indentation, tensile, elongation and performance, i,e., the loss of adhesion, various blends with HDPE and linear low density polyethylene (LLDPE), carbon black and other thermoplastic elastomers such as ethylene propylene diene monomer (EPDM), PE wax and butyl rubber have been formulated to increase coating performance. In this respect, the above modified PE blends were mixed using a single screw extruder with average temperature of 180-240 0C. The improvement of mechanical and adhesion performance for compression molded materials and screw coated samples is demonstrated. The article successes to blend P samples to use in field of coating of petroleum and gas pipelines after measuring different mechanical, electrical properties, adhesion and environmental stress cracking 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)**	**25/01/2009** **0112/2009** **February 2013** **26/05/2013** **26250**

(51)	**Int. Cl. [8] C02F 1/56**
(71)	**1. EGYPTION PETROLEUM RESEARCH INSTITUTTE (EGYPT)** **2.** **3.** **4.**
(72)	**1. DR. AHMED MAGDY HUSSIEN MOTAWIE** **2. DR. MAGD METWALY BADR** **3. DALIA EL SAWI ABO EL YAZID** **4. DOAA Abd El Wareth El Komi**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**TREATMENT OF EGYPTIAN BENTONITE TO MODIFIED NANO EGYPTIAN ORGANO - BENTONITE**
	Patent Period Started From 25/01/2009 and Will end on 24/01/2029

(57) Egyptian Modified Organo – Bentonite were prepared from Egyptian Bentonite (Egyptian Clay) powder which compose of crystalline nano silicate plates bonded together by some cations (positive ions), after purification process by distilled water then dilute hydrochloric acid. Followed by activation process by sodium chloride solution. After this process the bentonite was treated by using some long chain surfactants as well as alkyl quaternary ammonium salts to instead of the cations. After drying and grinding, Egyptian modified organo – bentonite were produced, which contain silicates plates in nano scale separated by gallery space contains used long chain surfactants. The prepared Egyptian Modified Organo – Bentonite were used in polymer nanocomposites preparation. The polymer or resins introduced in gallery spaces or round the silicate plates to produced polymer nanocomposite materials contain polymer or resin matrix and nono silicate plates as reinforcement materials.

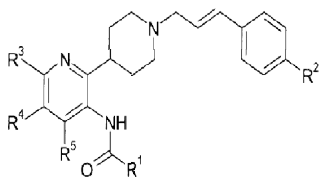
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/11/2010** **1885/2010** **December 2012** **28/05/2013** **26251**

(51)	**Int. Cl. [8] C07D 401/14, 401/04 & A01N 43/40**	
(71)	**1. SYNGENTA PARTICIPATION AG (SWITZERLAND)** **2.** **3.**	
(72)	**1. CASSAYRE, Jérôme Yves** **2. CORSI, Camilla** **3. PITTERNA, Thomas**	**4. MAIENFLSCH, Peter**
(73)	**1.** **2.**	
(30)	**1. (GB) 0808888,2 – 15/05/2008** **2. (PCT/EP2009/003395) – 13/05/2009** **3.**	
(74)	**SOHAIR M. REZK**	
(12)	**Patent**	

(54) INSECTICIDAL COMPOUNDS

Patent Period Started From 13/05/2009 and Will end on 12/05/2029

(57) A compound of formula (I): wherein R1 is pyrid-4-yl optionally substituted by one to four substituents independently selected from halogen, C1-3 alkyl or C1-3 haloalkyl; R2 is hydrogen, halogen, C1-4 haloalkyl or C1-4 haloalkoxy; R3 is trifluoromethyl, difluoromethyl or difluoromethoxy and R4 is hydrogen, fluoro or chloro, or R3 is fluoro, chloro or bromo and R4 is fluoro, chloro or trifluoromethyl; and R5 is hydrogen or halogen; or salts or N-oxides thereof. Furthermore, the present invention relates to intermediates used to prepare compounds of formula (I), to methods of using them to combat and control insect, acarine, mollusc and nematode pests and to insecticidal, acaricidal, molluscicidal and nematicidal compositions comprising them.



(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)**	**12/10/2009** **1496/2009** **Maces 2013** **28/05/2013** **26252**

(51)	**Int. Cl.** [8] **C02F 1/52**
(71)	**1. DR. ALI ABD EL-RAHEIM MOHAMED ALI ABU SEDIRA (EGYPT)** **2.** **3.**
(72)	**1. DR. ALI ABD EL-RAHEIM MOHAMED ALI ABU SEDIRA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**USING THE NATURAL ADDITIVE IN WASTEWATER TREATMENT**
	Patent Period Started From 12/10/32009 and Will end on 11/10/2029

(57) We identified on the type of natural rock that are available in Egypt by studying this rock it became clear that this rock powder has a property of natural sedimentation for wastewater as a result of its ability to attract suspended material forming flocks to increase the weight of these flock which increase of sedimentation rate we can use this natural rock powder in sewage treatment and the injection of a homogeneous solution of this powder is used in sewage treatment plants after pre processing and pre – sedimentation basins to ensure complete mixing rate of 100mg of powder/l sanitation (100g/m3 rate) lead to increase in the rate of sedimentation rate by to least 20% and thus raise the efficiency of the station at same percentage.

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

GRANTED PATENTS' ABSTRACTS GAZETTE

" PATENTS ISSUED JUNF IN 2013"

Egyptian Patent Office

Issue No 206 **JULY 2013**

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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

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KZ	Kozakhstan
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MG	Madagascar

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ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
JUNE (2013)

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/04/2010** **0589/2010** **March 2013** **02/06/2013** **26253**

(51)	**Int. Cl.** [8] **C07D 251/60**	
(71)	**1. BASF SE. (GERMANY)** **2.** **3.**	
(72)	**1. KERN, Andreas** **2. PROBSTLE, Hans-Ulrich** **3. JOHN, Tilo**	**4. STEINER, Wolfgang** **5. MASS, Heiko**
(73)	**1.** **2.**	
(30)	**1. (EP) 07118498,0 - 15/10/2007** **2. (PCT/EP 2008/063804) - 14/10/2008** **3.**	
(74)	**TAHA HANAFI MAHMOUD**	
(12)	**Patent**	

(54) METHOD FOR THE PRODUCTION OF MELAMINE-PROCEDE DE PRODUCTION DE MELAMINE

Patent Period Started From 14/10/2008 and Will end on 13/10/2028

(57) The invention relates to a method for the production of melamine by reaction of urea in the presence of a solid catalyst in one or more serial reactors in the temperature range 370 °C to 430 °C, cooling and filtering the gases produced in the urea reaction, separation of the melamine by desublimation and recycling a part of the gases produced after separation of the melamine ("recycle gas") into the reactor or reactors, characterised in that all given steps are carried out at a pressure in the range 4 bar to 10 bar.-L"invention concerne un procédé de production de mélamine consistant à faire réagir de l"urée en présence d"un catalyseur solide dans un réacteur ou plusieurs réacteurs montés en série dans une plage de température allant de 370 °C à 430 °C, à refroidir et à filtrer le gaz formé lors de la réaction de l"urée, à séparer la mélamine par désublimation et à réinjecter dans le ou les réacteurs une partie du gaz présent après séparation de la mélamine ("gaz de recyclage"). Le procédé se caractérise en ce que toutes les étapes susmentionnées sont exécutées sous une pression comprise entre 4 et 10 bars absolus.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	E G ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/11/2010** **1953/2010** **March 2013** **02/06/2013** **26254**

(51)	**Int. Cl.** [8] **E03D 11/14**	
(71)	**1. DURAVIT AKTIENGESELLSCHAFT (GERMANY)** **2.** **3.**	
(72)	**1. THOMAS, Stammel** **2. BERND, Bischler** **3. JUAN, Angel de la Corte**	**4. BERNHARD, Nikulski**
(73)	**1.** **2.**	
(30)	**1. (DE) 102009055977,9 – 27/11/2009** **2.** **3.**	
(74)	**HODA ANIS SERAG EL DEEN**	
(12)	**Patent**	

(54) SANITARY INSTALLATION AND MOUNT FOR FIXING A SANITARY INSTALLATION

Patent Period Started From 22/11/2010 and Will end on 21/11/2030

(57) The invention to relates sanitary installation with basin body to be mounted in a suspended manner where in on the wall for fixing at least Two bolt-type wall mounts are provided where in at least one mount is provided which in relation to the assembled position has at least one transverse perforation in the longitudinal direction of the wall mounts for receiving a wall mount and a borewhere in the threaded bore is disposed substantially perpendicular to the transverse perforation for receiving a locking screw and is accessible from below in the assembled position ,and where in the mount is Fixable in at least one bore provided in a wall of the sanitary installation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/01/2010** **0065/2010** **March 2013** **03/06/2013** **26255**

(51)	**Int. Cl.** [8] **F16L 47/03 , 47/34**
(71)	**1. RADIUS SYSTEMS LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. CHRISTODOULOU, Mario John** **2. HUGHES, Colin** **3. UTTING, Jeffrey Richard**
(73)	**1.** **2.**
(30)	**1. (GB) 0713810,0 – 17/07/2007** **2. (PCT/GB2008/050577) – 16/07/2008** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) TAPPING TEE ASSEMBLY

Patent Period Started From 16/07/2008 and Will end on 15/07/2028

(57) A tapping tee assembly comprises an integrally moulded saddle, body and socket. The tapping tee assembly can be mounted on a pipeline thereby enabling a cutter to travel through the body of the fitting in order to cut a hole in the pipeline. The saddle is provided with a saddle-shaped electrofusion element mat and the socket, which is integral with the body (14) and in fluid connection with the axial bore of the body, is provided with a second electrofusion element. The electrofusion elements are connected by an integrated anvil-shaped connector and connecting pin such that both electrofusion elements can be energised simultaneously using two electrical terminals, and the device can be manufactured with relative ease

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	E G ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/12/2009** **1914/2009** **March 2013** **03/06/2013** **26256**

(51)	**Int. Cl.** [8] **A24 B 15/22**
(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)	**Oxyga**
	Patent Period Started From 27/12/2009 and Will end on 26/12/2029

(57) Because of the importance of oxygen .And because the proved benefits of breathing enough quantity of oxygen for the brain ,blood circular, heart, skin and the sexual health And because of the dangerous effects of using the water pipe and smoke tobacco. This invention can be the substitute for the water pipe. It's a device to inhale oxygen in a good degree of purity which we generate it from the ambient air and by the help of vaporized and not burned herbs we can produce the smoke and flavor. So it's invention to smoke oxygen in high degree of purity and having the flavor and smoke of vaporized herbs in the same time.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/03/2010** **0474/2010** **February 2013** **03/06/2013** **26257**

(51)	**Int. Cl.** [8] **C08F 10/00, 4/659 & C07F 17/00**
(71)	**1. CHEVRON PHILIPS CHEMICAL COMPANY LP (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. YU, Youlu** **2. MARTIN. Joel L.** **3. MCDANIEL, Max P.** **4. ROHLFING, David C.** **5. YANG, Qing** **6. JENSEN, MICHAL, D**
(73)	**1.** **2.**
(30)	**1. (SU) 11/904735 – 28/09/2007** **2. (PCT/US2008/011056) – 24/09/2008** **3.**
(74)	**SMAS FOR INTELLECTUAL PROPERTY**
(12)	**Patent**

(54)	**POLYMERIZATION CATALYSTS FOR PRODUCING POLYMERS WITH LOW MELT ELASTICITY**
	Patent Period Started From 24/09/2008 and Will end on 23/09/2028

(57) The present techniques relate to catalyst compositions, methods, and polymers encompassing a Group 4 metallocene compound comprising bridging 5-cyclopentadienyl-type ligands, typically in combination with a cocatalyst, and a activator. The compositions and methods presented herein include ethylene polymers with low melt elasticity.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/06/2008** **1064/2008** **March 2013** **03/06/2013** **26258**

(51)	**Int. Cl. [8] A61K 47/36 & C12N 11/10 & C07K 17/10**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. DR. MAGDY MAHMOUD MOSATAFA ELNASSHAR** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT (NATIONAL RESEARCH CENTER)**
(12)	**Patent**

(54)	**METHOD FOR TREATMENT OF SOME NATURAL POLYMERS IMMOBILIZATION AND REUSABILITY OF ENZYMES**
	Patent Period Started From 22/06/2008 and Will end on 21/06/2028

(57) This patent involves improvement of the thermal stability of a natural polymer, "carrageenan gel", and incorporation of a new functionality to be used as a support for covalent immobilization of enzymes. The carrageenan gel has been hardened with a natural cationic polymer to improve the gel thermal stability from 35 oC to 95 oC and to incorporate an aldehydic functionality. The later has been treated with a spacer arm to bind enzymes to the modified gel matrix. The presence of the new functionality has been proved by FTIR. In brief, the new polymeric carrier has the main following advantages: • Natural polymer & friendly to the environment • Highly hydrophilic • Containing aldehydic groups for covalent immobilization of enzymes & antibodies • Thermally stable (35-95 oC) • Porous The modified carrier could be used for immobilization of the industrial enzymes (especially thermophilic enzymes as lipases) for the use of applied biotechnology.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/02/2010** **0285/2010** **February 2013** **03/06/2013** **26259**

(51)	**Int. Cl. [8] A61L 27/12 & A61K 6/033 , 6/08**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. PROF. DR. WAFA ISMAIL ABDEL EL0FATTAH** **2. & TAWHEED HASHIM ABDEL-RAZEK MOHAMED** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT (NATIONAL RESEARCH CENTER)**
(12)	**Patent**

(54)	**PREPARATION OF GEL TO BUILD BONE WITH MINIMAL SURGICAL INTERVENTION FROM POLYMER / PHOSPHATE WITH THE CAPABILITY TO EXTRUSION**
	Patent Period Started From 21/02/2010 and Will end on 20/02/2030

(57) The Biomimetic as well as inspired techniques for the synthesis and activation of biomaterials are very unique resulting in materials in the nano-range and nano-shapes which cannot be reached by other chemical methods. The Biomimetic technique involves the deposition of ions in a manner similar to natural way especially in the presence of certain active sites. The bioinspired one is carried out in biological fluids to follow the same sequence of natural bone synthesis where an ion is followed by ion. A natural polymer (chitosan) was synthesized with different degrees of deacetylation to get the highest % of yield using the thermomechanochemical technique by removing acidity from chitin which is derived from the crustacean (Crab). The biological hydroxyapatite (HAS) was prepared using bioinspired technique in simulated body fluid (SBF) to simulate the formation of bone minerals in nature and within the nanorange. Nano-composites were prepared from biological calcium phosphate / biopolymer (Chitosan) in different ratios with the addition of one of phosphate salts in the form of gel that can be used by injection. Many experiments have been performed to easure the efficiency of the gel to study the injectability, strength and temperature stability. Properties being biocompatibility and handling were enhanced by preparing polyblends of biological hydroxyapatite with synthesized chitosan. These composites and blends showed an enhancement for biocompatibility with keeping no migration of hydroxyapatite ions at organic surface. This composites have also led to dispense to large surgical operations that led to damage to healthy tissues.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/01/2007** **0046/2007** **January 2013** **03/06/2013** **26260**

(51)	**Int. Cl.** [8] **E03D 1/10**
(71)	**1. AHMED MOHAMED AHMED HMED (EGYPT)** **2.** **3.**
(72)	**1. AHMED MOHAMED AHMED HMED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**UTILITY MODEL**

(54)	**RATIONALIZING WATER USAGE**
	Patent Period Started From 30/01/2007 and Will end on 29/01/2014

(57) The relevant apparatus is a process for rationalizing water usage characterized with

1- Not wasting the water

2- Struggling for water is inevitable due to the overpopulation,

The extension of green land and the setup of factories and natural expansions.

3- The idea revolves around the transformation of human wastes into soft materials requiring no much water to be discharged.

4- Setting up an equipment attached between the siphon and the bowl in a manual manner conventionally with no change in the shape

5- Saving more 6000 m3 / a million of the population of drinking water 6 Not expensive , endurable and easily maintained.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/05/2008** **0854/20078** **March 2013** **04/06/2013** **26261**

(51)	**Int. Cl.** [8] **C02F 1/200**
(71)	**1. AUSTRALIAN CREATIVE TECHNOLOGIES PTYLTD (AUSTRALIA)** **2.** **3.**
(72)	**1. SHELLEY, Stephen** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (AU) 2005906494 – 22/11/2005** **2. (AU) 2006903448 – 27/06/2006** **3. (PCT/AU2006/001748) – 20/11/2006**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**A PIPELINE SYSTEM**
	Patent Period Started From 20/11/2006 and Will end on 19/11/2026

(57) A desalination pipeline system including a first pipeline extending from a salt water source for transferring salt water therethrough. The system includes at least one salt water desalinator in fluid connection with the first pipeline, enabling salt water to be drawn from the first pipeline to the at least one desalinator. Each of the salt water desalinators is provided to desalinate at least part of the water drawn from the first pipeline. Each desalinator is in fluid connection with a second pipeline extending between the salt water source and the target outlet, such that the water that has been desalinated in a desalinator is transferred to the second pipeline.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/02/2011** **0287/2011** **March 2013** **04/06/2013** **26262**

(51)	**Int. Cl.** [8] **B41J 2/175**	
(71)	**1. SEIKO EPSON CORPORATION (JAPAN)** **2.** **3.**	
(72)	**1. SHINADA SATOSHI** **2. ISHIZAWA TAKU** **3. ASAUCHI NOBORU** **4. NOZAWA IZUMI**	**5. AOKI YUJI** **6. KAWATE HIROYUKI** **7. FUKANO TAKAKAZU** **8. KOSUGI YASUHIKO**
(73)	**1.** **2.**	
(30)	**1. (JP) 2009-118175 – 15/05/2009** **2. (PCT/JP2010/003271) – 14/05/2010** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) RECORDING MATERIAL SUPPLY SYSTEM, CIRCUIT BOARD, STRUCTURE, AND INK CARTRIDGE FOR RECORDING MATERIAL CONSUMPTION DEVICE

Patent Period Started From 14/05/2010 and Will end on 13/05/2030

(57) A plurality of terminals are provided on a circuit board of an ink cartridge, and a plurality of lines are formed by contact portions of the plurality of terminals. In a first line among the plurality of lines, contact portions of two terminals for detecting attachment are arranged, and a contact portion of a power supply terminal is arranged therebetween. The first line may be located at a leading side when the ink cartridge is moved in a predetermined direction and is mounted on a printing device, or the first line may be the line closest to an opening of an ink supply port, or the first line may be the line closest to an ink supply needle.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/12/2008** **2058/2008** **February 2013** **04/06/2013** **26263**

(51)	**Int. Cl.** [8] **E21B 33/68, 34/10**	
(71)	**1. BJ SERVICES COMPANY U.S.A. (UNITED SATAT OF AMERICA)** **2.** **3.**	
(72)	**1. MAILAND, Jason,** **2. WEST, Lonnie, Christopher** **3. SARAN, Adrian, V.**	**4. BAHR, Glenn, A.** **5. HLL, Thomas, G., Jr.**
(73)	**1.** **2.**	
(30)	**1. 60/805,651 - 22/06/2006** **2. PCT/US2007/014558 – 23/06/2007** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) WIRELINE SLIP HANGING BYPASS ASSEMBLY AND METHOD

Patent Period Started From 23/06/2007 and Will end on 22/06/2027

(57) Bypass assembly includes stinger received by receptacle bore of tubular receiver attached to tube. Bypass pathway connects stinger port(s) to slip hanger supported hydraulic conduit 108 to bypass the tube). Tube can be a subsurface safety valve or hydraulic nipple anchored within production tubing. Bypass assembly includes upper and lower hydraulic nipples in production tubing, with respective tubular anchor seal assemblies engaged therein. Bypass pathway connects hydraulic conduit to slip hanger supported hydraulic conduit to bypass tubular anchor seal assemblies. Bypass assembly 300 includes upper 302 and lower hydraulic nipples in production tubing, with respective tubular anchor seal assemblies engaged therein. Bypass passage connects stinger to slip hanger supported hydraulic conduit 316 to bypass tubular anchor seal assemblies.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/12/2010** **2205/2010** **March 2013** **04/06/2013** **26264**

(51)	**Int. Cl. [8] B65H 37/00**
(71)	**1. UNI-CHARM CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. YAMAMOTO, Hiroki** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2008-171895 – 30/06/2008** **2. (PCT/JP2009/061921) – 30/06/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**INTERMITTENT CUTTING AND TRANSFER DEVICE**
	Patent Period Started From 30/06/2009 and Will end on 29/06/2029

(57) An intermittent cutting and transfer device is configured to lead a continuous body of a film sheet to a space between a blade and a receiving blade with the continuous body sucked to the outer peripheral surface of a lower blade roll by suction through suction holes formed in a first region on the outer peripheral surface of the lower blade roll. The first region is composed of suction regions in which the suction holes are formed, and of non-suction regions in which the suction holes are not formed. The suction regions and the non-suction regions are alternately formed in the direction of the circumference of the roll.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/09/2010** **1600/2010** **March 2013** **04/06/2013** **26265**

(51)	**Int. Cl.[8] A61F 13/32**
(71)	**1. UNI-CHARM CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. WATANABE, Hitoshi** **2. KONDO, Hideki** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2008-081950 – 26/03/2008** **2. (JP) 2008-081964 – 26/03/2008** **3. (JP) 2008-081965 – 26/03/2008** **4. (PCT/JP2009/055843) – 24/03/2009**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**APPLICATOR FOR TAMPON**
	Patent Period Started From 24/03/2009 and Will end on 23/03/2029

(57) An applicator for a tampon is equipped with an outer tube containing an absorber therein and provided with a push-out opening for pushing out the absorber on one side thereof and with a grip tube portion on the other side thereof, and an inner tube which is inserted into the grip tube portion and can push out the absorber from the push-out opening to the outside by moving into the outer tube. A plurality of rows of annular protrusions are formed in the whole area of the grip tube portion in the circumferential direction, such that the height from the outer circumferential surface decreases gradually toward the side of the inner tube which is inserted into the grip tube portion.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/12/2010** **2111/2010** **March 2013** **05/06/2013** **26266**

(51)	**Int. Cl. [8] G01V 1/145**
(71)	**1. BP EXPLORATION OPERATING COMPANY LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. THOMPSON, Martin** **2. HARPER, Mark Francis Lucien** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 0811123,9 – 18/06/2008** **2. (GB) 0811764,0 – 27/06/2008** **3. (PCT/GB2009/050690) – 17/06/2009**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**MARINE SEISMIC SOURCE**
	Patent Period Started From 17/06/2009 and Will end on 16/06/2029

(57) A low frequency sound source has a radiating piston of the order of a few metres across backed by a gas spring containing a fixed mass of gas. The gas pressure in the spring is kept at levels for which the natural frequency of the piston loaded by the fluid lies in the seismic band and may be as low as 0.5Hz. The piston is given an initial displacement and begins to oscillate. Its oscillations are sustained by an actuator whose drive signal is derived from the velocity of the piston via a velocity or displacement sensor. The sound source is caused to perform a frequency sweep by gradually compressing the gas in the gas spring so that the spring becomes stiffer both because of the rising pressure and because of the reducing length of the gas spring spaces. This double effect allows large changes in stiffness to be produced and hence allows the source to operate over at least three octaves of frequency.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/09/2010** **1562/2010** **March 2013** **05/06/2013** **26267**

(51)	**Int. Cl.** [8] **F24H 1/20**
(71)	**1. S.A.T.E SOCIETE D APPLICATIONS THERMIQUES EUROPEENNE (FRANCE)** **2.** **3.**
(72)	**1. RETIERE, Bertrand** **2. GEOFFROY, Cedric** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 0956357 – 16/09/2009** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**ELECTRIC WATER HEATER WITH DOUBLE CATHODIC PROTECTION**
	Patent Period Started From 16/09/2010 and Will end on 15/09/2030

(57) An electric storage water heater with double cathodic protection comprises a sacrificial anode and an impressed current anode combined so as to provide cathodic protection even in the absence of a power supply. The sacrificial anode surrounds the impressed current anode so as to prevent any contact of the impressed current anode with the water of the (water) tank before consumption of the sacrificial anode.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/06/2007** **0343/2007** **March 2013** **05/06/2013** **26268**

(51)	**Int. Cl.** [8] **F28F 21/08**	
(71)	**1. SNAMPROGETTI S. P. A (ITALY)** **2.** **3.**	
(72)	**1. ALEEANDRO Gianazza** **2. LUCA Mairano** **3. GIUSEPPE Merelli**	**4. DOMENICO Sanfilippo**
(73)	**1.** **2.**	
(30)	**1. (IT) MI2006A001223 – 26/06/2006** **2.** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) CORROSION - RESISTANT BIMETALLIC TUBE AND ITS USE IN THE TUBE BUNDLE EQUIPMENT

Patent Period Started From 24/06/2007 and Will end on 23/06/2027

(57) A bimetallic tube consisting of at least one tubular element in a first metal resistant to the corrosive and/or erosive action of a process fluid with which it is put in contact, having at least one end, or an area close to an end, externally coated with a layer of a second metal, different from the first and more suitable, with respect to this, for being seal-welded to a support. Tube bundle equipment to be used for thermal exchange operations at high temperatures and pressures, under conditions of high aggressiveness of the process fluids, wherein the tube bundle comprises at least one tube having the above characteristics. Said equipment is particularly used as a heat exchanger and decomposer, for example as a stripper, in the cycle of urea synthesis processes where there are conditions of high pressure, high temperatures, high aggressiveness of the process fluids, and in which the tube bundle consists of at least one tube having the above characteristics.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/07/2008** **1134/2008** **March 2013** **05/06/2013** **26269**

(51)	**Int. Cl.[8] F21B 47/00**
(71)	**1. AT BALANCE AMERICAS LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. REITSMA, Donald, G.** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/756,311 – 05/01/2006** **2. (PCT/US2007/000088) – 04/01/2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD FOR DETERMINING FORMATION FLUID ENTRY INTO OR DRILLING FLUID LOSS FROM A BOREHOLE USING A DYNAMIC ANNULAR PRESSURE CONTROL SYSTEM

Patent Period Started From 04/01/2007 and Will end on 03/01/2027

(57) A method for controlling formation pressure during drilling includes pumping a drilling fluid through a drill string in a borehole, out a drill bit at the end of the drill string into an annular space. The drilling fluid is discharged from the annular space proximate the Earth's surface. At least one of a flow rate of the drilling fluid into the borehole and a fluid flow rate out of the annular space is measured. Pressure of the fluid in the annular space proximate the Earth's surface and pressure of the fluid proximate the bottom of the borehole are measured. Pressure of the fluid proximate the bottom of the borehole is estimated using the measured flow rate, annular space pressure and density of the drilling fluid. A warning signal is generated if difference between the estimated pressure and measured pressure exceeds a selected threshold.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/04/2006** **0142/2006** **March 2013** **06/06/2013** **26270**

(51)	**Int. Cl.** [8] **C23C 8/02, 8/30**
(71)	**1. DR. ANWAR AHMED IBRAHIM KHALIL (EGYPT)** **2. IBRAHIM ABDOU MOHAMED HABIB** **3. ALAA TAWFEEQ HUSSIN GHABBOUR**
(72)	**1. DR. ANWAR AHMED IBRAHIM KHALIL** **2. IBRAHIM ABDOU MOHAMED HABIB** **3. ALAA TAWFEEQ HUSSIN GHABBOUR**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**PACK NITROCARBURIZING OF STEEL**
	Patent Period Started From 11/04/2006 and Will end on 10/04/2026

(57) There are situation require that the outer surface should be hard and wear resistant and inner core more ductile and tougher, like gears, cam, dies …etc, such combination can be basically achieved by Pack Nitrocarburizing.Predetermined quantity of urea and charcoal is used to provide metal surface by nitrogen and carbon respectively to form multi-phases of iron nitrides and carbide, such diffusion zone is 0.3mm, and hardness is step by step to be 750HV at the surface. The effect of various parameters was investigated.The most important advantages of this process are low cost, easy applicable, and has no toxicity.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/09/2007** **0474/2007** **November 2012** **09/06/2013** **26271**

(51)	**Int. Cl.[8] C08G 4/00 & C08G 12/12**
(71)	**1. DR. KHADRA ANWAR ABBADY (EGYPT)** **2.** **3.**
(72)	**1. DR. KHADRA ANWAR ABBADY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**CATALYST TO ACCELERATE POLYMERIZATION REACTION OF POLYMETHYLENE UREA**
	Patent Period Started From 10/09/2007 and Will end on 09/09/2027

(57) A method to accelerate polymerization reaction of polymethylene urea formation includes reaction of urea with formaldhyde through the followed 2 steps : A - Formation of the monomers (radicals) using any alkali such as sodium hydroxide or potassium hydroxide . B - Condensation of the monomers to give the polymers , in acidc one of mineral acids and addition of ferrous sulfate as a catalyst . This catalyst has added in ration has ranged from 0,1 to 1% reacted - urea weight which lead to accelerate the reaction , reduce the time of reaction and used acidamunt.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/02/2011** **0291/2011** **March 2013** **10/06/2013** **26272**

(51)	**Int. Cl.** [8] **H01H 33/88**
(71)	**1. SIEMENS AKTIENGESELLSCHAFT (GERMANY)** **2.** **3.**
(72)	**1. BOSE, Shibani** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102008039813,6 – 25/08/2008** **2. (PCT/EP2009/060353) – 11/08/2009** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) HIGH-VOLTAGE POWER SWITCH WITH A SWITCH GAP

Patent Period Started From 11/08/2009 and Will end on 10/08/2029

(57)

A high-voltage power switch comprises a switch gap. The switch gap is surrounded by a nozzle made of insulating material. The nozzle made of insulating material comprises a switching gas channel. The switching gas channel opens up into a storage volume. Disposed within the storage volume is a flow steering apparatus that comprises a switching gas entrance channel. Disposed between the wall in which the switching gas channel opens up and a switching gas entrance channel wall that borders the switching gas channel is an annular gap.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/03/2011** **0478/2011** **February 2013** **11/06/2013** **26273**

(51)	**Int. Cl. [8] E21B 47/12**	
(71)	**1. PRAD RESEARCH AND DEVELOPMENT LIMITED (UNITED KINGDOM)** **2.** **3.**	
(72)	**1. YAMATE, Tsutomu** **2. CHEE, Soon Seong** **3. VANNUFELEN, Stephane** **4. WILSON, Colin, A.**	**5. IGARACHI, Juei** **6. OUAABA, Khalid** **7. NAITO, Koichi**
(73)	**1.** **2.**	
(30)	**1. (US) 12/239,822 – 29/09/2008** **2. (PCT/IB2009/006823) – 15/09/2009** **3.**	
(74)	**HODA AHMED ABD EL HADI**	
(12)	**Patent**	

(54) HIGH- TEMPERATURE DOWNHOLE DEVICES

Patent Period Started From 15/09/2009 and Will end on 14/09/2029

(57) Subterranean oilfield high-temperature devices configured or designed to facilitate downhole monitoring and high data transmission rates with laser diodes that are configured for operation downhole, within a borehole, at temperatures in excess of 115 degrees centigrade without active cooling.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/03/2011** **0394/2011** **February 2013** **11/06/2013** **26274**

(51)	**Int. Cl. [8] E21B 33/16 , 47/08**
(71)	**1. BP CORPORATION NORTH AMERICA, INC., (UNITED STATES OF AMERICA)** **2. BP EXPLORATION OPERATING COMPANY LIMITED (UNITED KINGDOM)** **3.**
(72)	**1. EDWARDS, Stephen T.** **2. COLEY, Christopher J.** **3. EDWARDS, Michaei L.** **5. SHAFER, Donald F.** **6. ALBERTY, Mark W.**
(73)	**1.** **2.**
(30)	**1. (US) 61/097,128 – 15/09/2008** **2. (PCT/US2009/056986) 15/09/2009** **3.**
(74)	**HODA AHMED**
(12)	**Patent**

(54) METHOD OF DETERMINING BOREHOLE CONDITIONS FROM DISTRIBUTED MEASUREMENT DATA

Patent Period Started From 15/09/2009 and Will end on 14/09/2029

(57) Methods of determining borehole conditions using distributed measurement data are disclosed herein. The disclosed methods utilize real time data measurements taken from sensors distributed along the length of a drill stringto assess various conditions or properties of the borehole .In particular, the distributed data may be used for example, to track the progress of a chemical pill or also track the location of different types of borehole fluids, and also to determine the hole size or volume of the borehole.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	E G ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/09/2010** **1584/2010** **February 2013** **11/06/2013** **26275**

(51)	**Int. Cl. [8] C11D 11/00, 3/20**
(71)	**1. UNILEVER PLC (UNITED KINGDOM)** **2.** **3.**
(72)	**1. STIRLING, Thomas** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 08154049,4 – 04/04/2008** **2. (PCT/EP2009/052592) – 05/03/2009** **3.**
(74)	
(12)	**Patent**

(54) USE OF CITRATE AS CLEANING AID FOR HARD SURFACES NETTOYAGE POUR DES SURFACES DURES

Patent Period Started From 05/03/2009 and Will end on 04/03/2029

(57) The present invention relates to hard surface cleaning, and has as an object to provide a next time cleaning benefit. The invention provides the use of citric acid and/or a salt of citric acid for facilitating the removal of soil, in particular fatty soil, from a hard surface. Therewith the object of the invention has been achieved

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/03/2011** **0353/2011** **February 2013** **11/06/2013** **26276**

(51)	**Int. Cl. [8] E03D 1/30**
(71)	**1. FOMINAYA, S.A. (SPAIN)** **2.** **3.**
(72)	**1. GONAZLEZ Salmerin, Mercedes** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (ES) P201030319 – 05/03/2010** **2.** **3.**
(74)	**ABDEL HADI FOR INTELLECTUAL PROPERTY**
(12)	**Patent**

(54)	**HUDROPNEUMATIC FLUSHER ROR TOILET TANKS**
	Patent Period Started From 06/03/2011 and Will end on 05/03/2031

(57) It in principle comprises a hood, inside of which a float coupled in an overflow, to which a flat valve is jointly connected for plugging the coupling of a toilet tank is housed, so that when the overflow moves up the outflow of water from the toilet tank takes place. At the top of the hood a pneumatic chamber communicating with a pneumatic device is built, so that when actuating a pusher of such device the air is released from the hood and the toilet tank flushing is produced. It is characterized in that the overflow comprises, above the upper base of the hood, radial holes for controlling the maximum water level of the toilet tank. Another feature of the invention is that the float includes projections for contacting the inner face of the tubular wall of the hood, which reduce its friction and blocking problems.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/01/2011** **0123/2011** **February 2013** **11/06/2013** **26277**

(51)	**Int. Cl.[8] G06F 17/18**
(71)	**1. BP CORPORATION NORTH AMERICA INC. (UNITED STATES OF AMERICA)** **2. BP EXPLORATION OPERATING COMPANY LIMITED (UNITED KINGDOM)** **3.**
(72)	**1. ZIEGEL, Eric** **2. BAILEY, Richard, S.** **3. SPRAGUE, Kip, P.**
(73)	**1.** **2.**
(30)	**1. (US) 61/085692 -01/08/2008** **2. (US) 12/349851- 07/01/2009** **3. (PCT/US2009/051379) – 22/07/2009**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54) ESTIMATING WORST CASE CORROSION IN A PIPEPLINE

Patent Period Started From 22/07/2009 and Will end on 21/07/2029

(57) A method and system for estimating the worst case corrosion in a pipeline for which pipeline wall thickness measurements are limited to sampled ultrasonic or radiography (UT/RT) measurements. A data library contains distributions of in-line inspection (ILI) measurements for other pipelines, calibrated to correspond to UT/RT measurements as needed. These ILI datasets are randomly sampled multiple times, to obtain multiple sample sets from each ILI dataset. Candidate statistical distributions are evaluated for each sample set to determine which of the candidate statistical distributions most accurately estimates the worst case corrosion measured by ILI. A discriminant function is then derived from sample statistics and pipeline descriptors associated with the sample sets, along with the best candidate statistical distribution for that sample set. Sample statistics and pipeline descriptors for the pipeline with sampled UT/RT measurements are then applied to the discriminant function to determine the best one of the candidate statistical distributions for extreme value estimation, and the worst case corrosion is then determined using that best statistical distribution.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/09/2011** **1546/2011** **March 2013** **11/06/2013** **26278**

(51)	**Int. Cl.** [8] **E04H 12/12 & H01Q 1/12 & B28B 7/16**
(71)	**1. TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) (SWEDEN)** **2.** **3.**
(72)	**1. HÄGER, Peter** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/161,506 – 19/03/2009** **2. (PCT/SE2009/051391) – 08/12/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**A TELECOMMUNICATION TOWER SEGMENT**
	Patent Period Started From 08/12/2009 and Will end on 07/12/2029

(57) A telecommunications tower segment for the construction of a section of a telecommunications tower is disclosed. A plurality of such segments is adapted to form a tubular section of the telecommunications tower. Each telecommunications tower segment has a convex first surface. Additionally, each telecommunications tower segment has a second surface opposite to the first surface, wherein the second surface is flat or partly flat.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/04/2011** **0661/2011** **March 2013** **11/06/2013** **26279**

(51)	**Int. Cl.[8] E21B 33/13, 41/00**
(71)	**1. BP CORPORATION NORTH AMERICA INC. (UNITED STATE OF AMERICA)** **2.** **3.**
(72)	**1. SHEPHERD, James E.** **2. RAKOW, Joseph F.** **3. PATTILLO, P., David, II,**
(73)	**1.** **2.**
(30)	**1. (US) 61/110,175 – 31/10/2008** **2. (PCT/ US2009/060807) – 15/10/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) ELASTIC HOLLOW PARTICLES FOR ANNULAR PRESSURE BUILDUP MITIGATION

Patent Period Started From 15/10/2009 and Will end on 14/10/2029

(57) The concept involves placing within the annulus, hollow particles that possess material and geometric properties such that the hollow particles buckle at or near a defined pressure. Buckling of the particles increases the available volume within the annulus, thereby decreasing the annular pressure. The elastic hollow particles are designed such that they buckle in a sufficiently elastic manner to allow them to rebound towards their original shape as the pressure decreases. The rebounded particles then remain available to mitigate subsequent instances of APB.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/04/2011** **0607/2011** **March 2013** **11/06/2013** **26280**

(51)	**Int. Cl.** [8] **B64C 29/02**
(71)	**1. JUNG, SOO-CHEOL (REPUBLIC OF KOREA)** **2.** **3.**
(72)	**1. JUNG, Soo-Cheol** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (KR) 10-2008-0102770 – 20/10/2008** **2. (PCT/KR2009/006030) – 19/10/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) AIRCRAFT SYSTEM THAT ENABLES GROUND TRAVELING

Patent Period Started From 19/10/2009 and Will end on 18/10/2029

(57) The present invention relates to an aircraft system that enables ground traveling, wherein takeoff and landing occur vertically so that traveling on the ground and flying in the air may be enabled. It specifically comprises a configuration such that at least three wheels connected at the bottom of its body are used for driving, a glide force is generated based on the wings that are installed on both sides symmetrically around said body, at least parts of said wing and body are furnished with a plurality of propellers to generate lift force and thrust force, respectively, and said wing is divided into a plurality of partitioning spaces so that it may undergo folding or transformation. Accordingly, when traveling on the ground road and encountering traffic, it takes off and flies in the air, and if required, it flies in the air and then lands to travel the ground road so that it is not limited by traffic but can move rapidly to a destination.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/03/2011** **0470/2011** **March 2013** **11/06/2013** **26281**

(51)	**Int. Cl.[8] G01M 17/00 , 17/007 & G05B 23/00 , 23/02**
(71)	**1. CHERY AUTOMOBILE CO., LTD (CHINA)** **2.** **3.**
(72)	**1. WANG, Ye** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (CN) 200810155417 – 29/09/2008** **2. (PCT/CN2009/074174) - 24/09/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) LIFETIME TEST SYSTEM FOR HYBRID ELECTRIC VEHICLE CONTROLLERS

Patent Period Started From 24/09/2009 and Will end on 23/09/2029

(57) A lifetime test system for hybrid electric vehicle controllers is provided that belongs to the testing technical field of vehicle controllers. The test system includes a controller group which is arranged in an environmental cabin and a test bench which is arranged with at least one pair of coaxial hybrid power motors; electric interface boxes are arranged on the test bench which is electrically connected with a central control computer; and the central control computer controls programmable power source and the controller group and is connected with them via the electrical interface boxes; the controllers are electrically connected with the hybrid power motors correspondingly, wherein one hybrid power motor works in a generating pattern and the other hybrid power motor which is coaxially connected with the motor works in a motor pattern, the central control computer transmits control signals to realize transmission of testing instructions and feedback of testing status, and monitors the system condition during testing and collects the testing results.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	E G ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/10/2008** **1750/2008** **March 2013** **11/06/2013** **26282**

(51)	**Int. Cl.** [8] **C21B 13/00 , 13/02 & F27B 1/16**
(71)	**1. HYL TECHNOLOGIES, S.A. DE C.V. (MEXICO)** **2.** **3.**
(72)	**1. ZENDEJAS-MARTINEZ, Eugenio** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) (11/379.943) – 24/04/2006** **2. (PCT/IB2007/001107) – 23/04/2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHOD AND APPARATUS FOR PRODUCING DIRECT REDUCED IRON**
	Patent Period Started From 23/04/2007 and Will end on 22/04/2027

(57) A direct reduction process for producing direct reduced iron (DRI) in a reduction reactor having a reduction zone for reducing iron-oxides-containing particles, such as iron ore pellets, to DRI by reaction of said iron oxides with a high temperature reducing gas, and a cooling zone for lowering the temperature of the DRI produced in said reduction zone, wherein a stream of cooling gas, usually natural gas, is circulated through said cooling zone, a portion of said cooling gas is withdrawn from the cooling zone, cooled and cleaned in a gas cooler and a portion of the cooled gas is recycled to said reduction zone by means of an ejector utilizing the high-pressure natural gas make-up feed as the ejector's motive fluid. Using an ejector for recycling the cooling gas instead of using a mechanical compressor provides significant savings in electricity and in capital, operational and maintenance costs. A direct reduction plant having a DRI cooling zone which uses at least one ejector in recycling at least a portion of cooling gas to the cooling zone.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/10/2008** **1670/2008** **March 2013** **11/06/2013** **26283**

(51)	**Int. Cl.[8] C25B 1/46, 11/03 & H01M 4/86**
(71)	**1. INDUSTRIE DE NORA S.P.A. (ITALY)** **2.** **3.**
(72)	**1. URGEGHE, Chirstian** **2. FEDERICO, Fulvio** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) MI2006A000726 – 12/04/2006** **2. PCT/EP2007/053564 – 12/04/2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**GAS-DIFFUSION ELECTRODE FOR ELECTROLYTE-PERCOLATING CELLS**
	Patent Period Started From 12/04/2007 and Will end on 11/04/2027

(57) The invention relates to a gas - diffusion electrode for chlor - alkail electrolysis cells integrated in a perocolator of plastic porous material suitable for being vertically crossed by a downward flow of electrolyte . The elecrode comprises a catalytic composition based on silver and/or nickel mixed to a polymeric biner , directly supported on the percolatoe without any interpoed reticulated metal current coolector .

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/09/2009** **1440/2009** **Jannary 2013** **11/06/2013** **26284**

(51)	**Int. Cl.** [8] **A61F 13/496 & B32B 5/26 & D04H 1/70, 1/42**
(71)	**1. UNI-CHARM CORPORATON (JAPAN)** **2.** **3.**
(72)	**1. MITSUNO, Satoshi** **2. GODA, Hiroki** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2007-094903 – 30/03/2007** **2. (PCT/JP 2008/055362) – 24/03/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**NONWOVEN STRETCH FABRIC**
	Patent Period Started From 24/03/2008 and Will end on 23/03/2028

(57) A nonwoven fabric which, even when having a low basis weight, has a wide stretch range at time of use. It is inhibited from breaking or decreasing in strength upon stretching. It feels good to the touch and has excellent cushioning properties and high air permeability. The nonwoven stretch fabric has a longitudinal direction and a transverse direction perpendicular to the longitudinal direction. It has, arranged on each side, strip-form sparse regions extending in the longitudinal direction and strip-form dense regions extending likewise, the two kinds of regions being alternately and successively arranged in the transverse direction. The strip-form dense regions on one side and those on the other side are alternately arranged in the transverse direction. The nonwoven stretch fabric is constituted of a mixture of stretched fibers and stretchable fibers or is composed of stacked layers of these two kinds of fibers. The stretched fibers include stretched fibers which have been partly stretched in the area located between each of the strip-form dense regions on that one side and the adjacent one of the strip-form dense regions on the other side. The fibers constituting the partly stretched fibers have an average fiber diameter of 12-21 μm.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG ج.م.ع	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/05/2009** **0766/2009** **Jannary 2013** **11/06/2013** **26285**

(51)	**Int. Cl.** [8] **A61F 13/15, 13/494**	
(71)	**1. UNI-CHARM CORPORATION (JAPAN)** **2.** **3.**	
(72)	**1. TSUJI, Tomoko** **2. MUKAI, Hirotomo** **3. SASAYAMA, Kenichi**	**HASHIMOTO, Tatsuya** **WAKASUGI, Kei**
(73)	**1.** **2.**	
(30)	**1. (JP) 2006-319396 – 27/11/2006** **2. (PCT/JP2007/072783) - 26/11/2007** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) ABSORBENT ARTICLE AND COMPOSITE SHEET

Patent Period Started From 26/11/2007 and Will end on 25/11/2027

(57) An absorbent article with a composite sheet that has multiple ruffles on the internal surface side facing the wearer side so as to agree with the wearer's skin and excel in fitness. The composite sheet is composite sheet comprising stretch nonwoven fabric whose stretching direction lies in at least one direction; nonstretch nonwoven fabric; junction parts where the stretch nonwoven fabric and the nonstretch nonwoven fabric are intermittently joined together along the stretching direction; and multiple ruffles provided in nonjunction parts lying between junction parts along the direction intersecting with the stretching direction by slacking of the nonstretch nonwoven fabric in the nonelongated condition of the stretch nonwoven fabric, wherein when in the nonelongated condition the ruffles are collectively bent in one direction agreeing with the stretching direction, foldback distal end portions of the ruffles do not reach the ruffles adjacent thereto.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/03/2010** **0437/2010** **February 2013** **12/06/2013** **26286**

(51)	**Int. Cl.** [8] **A47K 1/14 & E03C 1/262 & E03D 13/00**
(71)	**1. GOODWIN, EDWARD HENRY (UNITED KINGDOM)** **2. HARTSHORN, RICHARD ANDREW (UNITED KINGDOM)** **3.**
(72)	**1. GOODWIN, Edward Henry** **2. HARTSHORN, Richard Andrew** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/GB2007/003563) – 20/09/2007** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**A SPLASH REDUCING DEVICE FOR A SANITARY WARE VESSEL**
	Patent Period Started From 20/09/2007 and Will end on 19/09/2027

(57) A sanitary ware vessel such as a urinal is disclosed including a fin or ridge with one or more side surfaces against which a stream of fluid may be directed to reduce the amount of splash. A sink including a fin or ridge which may be curved, a waste outlet cover with a fin or ridge and the retro fitting of a fin or ridge to a sanitary ware vessel are also disclosed.- L"invention concerne une cuvette d"équipement sanitaire, tel qu"un urinoir, comprenant une nervure ou arête ayant une ou plusieurs surfaces latérales contre lesquelles un flux de fluide peut être dirigé pour réduire la quantité d"éclaboussures.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/05/1999** **0553/1999** **Jannary 2013** **12/06/2013** **26287**

(51)	**Int. Cl.** [8] **A61K 31/195, 9/16, 47/18**
(71)	**1. WARNER-LAMBERT COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. AOMATSU, Akira** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 133122/10 – 15/05/1998** **2.** **3.**
(74)	**ABDEL HADI FOR INTELLECTUAL PROPERTY**
(12)	**Patent**

(54) A STABILIZED SOLID COMPOSITION CONTAINING PREGABALIN AND A GLYCOL OR GLYCEROL HUMECTANT

Patent Period Started From Granted Date and Will end on 12/05/2019

(57) The present invention provides a stabilized solid composition containing a 4-amino-3-substituted butanoic acid derivative which can be obtained by incorporating a humectant as a stabilizer.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	E G ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/05/2010** **0763/2010** **February 2013** **12/06/2013** **26288**

(51)	**Int. Cl.** [8] **C11D 9/00, 13/16**	
(71)	**1. UNILEVER PLC (UNITED KINGDOM)** **2.** **3.**	
(72)	**1. DAS, Sanjeev, Kumar** **2. FERNANDES, Patrick, de Barros** **3. PAI, Nayantara**	**RAGHAVACHARI, Rajan**
(73)	**1.** **2.**	
(30)	**1. (IN) (2292/ MUM /2007) – 21/11/2007** **2. (IN) 214190 – 10/01/2008** **3. (IN) 214191 – 10/01/2008** **(PCT/EP2008/065479) – 13/11/2008**	
(74)		
(12)	**Patent**	

(54) PERSONAL WASH DETERGENT BARS-PAINS DE DETERGENT INNOVANTS

Patent Period Started From 13/11/2008 and Will end on 12/11/2028

(57) A detergent bar comprising: a. a first major side, an opposed second major side, a first minor side, an opposed second minor side, a first end and an opposed second end; b. wherein the first major side has a centrally disposed concave area separated from each of the opposed first and second ends by a flattened region; and c. wherein the concave area has a plurality of dimples.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/08/2008** **1335/2008** **March 2013** **12/06/2013** **26289**

(51)	**Int. Cl.** [8] **E02F 9/28**
(71)	**1. ESCO CORPORATION (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. CARPENTER, Christopher, M.** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2. (US) 60/774,401- 17/02/2006** **3. (PCT/US2007/003993) – 14/02/2007**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**WEAR ASSEMBLY**
	Patent Period Started From 14/02/2007 and Will end on 13/02/2027

(57) A wear assembly for securing a wear member to excavating equipment that includes a base having a nose and a wear member having a socket. The nose and socket are each provided with one or more complementary stabilizing surfaces in central portions thereof.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	E G ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/10/2009** **1506/2009** **March 2013** **12/06/2013** **26290**

(51)	**Int. Cl.** [8] **G01V 7/00**	
(71)	**1. ENI S.P.A. (ITALY)** **2.** **3.**	
(72)	**1. ANTONELLI, Massimo** **2. GIAMMETTI, Salvatore** **3. GIORI, ltaliano**	**4. SAVINI, Luca** **5. TERZI, Luigi**
(73)	**1.** **2.**	
(30)	**1. (IT) (MI 2007 A 000746) – 13/04/2007** **2. (PCT/EP2008/002659) – 28/03/2008** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54)	**METHOD FOR THE ESTIMATION OF FLUIDS MOVED IN COMPARTMENTED AREAS OF THE SUBSOIL**
	Patent Period Started From 28/03/2008 and Will end on 27/03/2028

(57) The present invention relates to a method for estimating fluid volumes moved in compartmented areas of the subsoil, including steps which consist in effecting, in a survey field, a series of gradiometric measurement campaigns "for framing/calibrating the area" at pre- established time intervals, for each of which the relative variation ?Vi of the fluid volumes contained in a corresponding compartmented area of the subsoil is known; on the basis of the measurement effected, to calculate, for each measurement campaign "for framing/ calibrating the area" subsequent to the former one, a parameter Pu correlated to the whole investigation area; on the basis of the known fluid volume variations ?Vi and the relative calculated parameter Pli, to determine by approximation a variability law which relates the parameter Pu with the volume variation of the fluids in the compartmented area, associated with any measurement campaign subsequent to those "for framing/calibrating the area" on the basis of the variability law determined.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/03/2011** **0384/2011** **March 2013** **12/06/2013** **26291**

(51)	**Int. Cl. [8] E05F 15/00 , 15/14 , 15/16**
(71)	**1. SOMMER-ANTRIEBS-UND FUNKTECHNIK GMBH (GERMANY)** **2.** **3.**
(72)	**1. SCHAAF, Gerd** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102008046538,0 – 10/09/2008** **2. (PCT/EP2009/006337) - 02/09/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**DRIVE SYSTEM FOR A DOOR**
	Patent Period Started From 02/09/2009 and Will end on 01/09/2029

(57) The invention relates to a drive system for a door, the door leaf of which is guided at the sides in respective guide tracks. A carriage that is guided along a guide track is connected to the door leaf, said carriage containing an integrated drive with an autonomous power supply. The drive can be charged at a stationary charging station by means of a wireless power supply unit. A security device is connected via a wireless signal transmission path to a control unit that is allocated to the drive.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/07/2009** **1063/2009** **March 2013** **12/06/2013** **26292**

(51)	**Int. Cl.** [8] **E21B 43/26**
(71)	**1. HALLIBURTON ENERGY SERVICES, INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. CURTIS, Philip, Anthony** **2. DYKSTRA, Jason, D.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 11/651,913 – 10/01/2007** **2. (PCT/GB2007/005011) – 28/12/2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHODS AND SYSTEMS FOR FRACTURING SUBTERRANEAN WELLS**
	Patent Period Started From 28/12/2007 and Will end on 27/12/2027

(57) A plan of the fracture propagation and in-fracture proppant distribution is used with a real-time model of the status of the fracture dimensions and in-fracture proppant concentration to automatically control flow rates and properties of a fracturing fluid flow stream being used to induce and prop the fracture. Real-time measurements of the status of the fracture are made using surface and/or down-hole sensors. Real-time control over the flow rate and properties of a fracturing fluid flow stream are made by manipulating the fracturing fluid supply equipment. Real-time modifications of the fracturing model are made by comparing fracture sensor measurements of actual fracture dimensions to the predicted dimensions, and then adjusting the model for inaccuracies. Real-time updates to the fracturing plan are made by comparing actual fracture and propping results to desired results, and then adjusting to achieve optimal results.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/11/2010** **1914/2010** **March 2013** **12/06/2013** **26293**

(51)	**Int. Cl. [8] G01N 27/04**
(71)	**1. ENI S.P.A. (ITALY)** **2.** **3.**
(72)	**1. CAPACCIOLI, Simone** **2. LUCCHESI, Mauro** **3. BONA, Nicola Giovanni**
(73)	**1.** **2.**
(30)	**1. () (MI2008A000873) – 14/05/2008** **2. (PCT/EP2009/003461) – 12/05/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) MEASURING DEVICE OF THE ELECTRIC PROPERTIES OF SOLID OR LIQUID GEOLOGICAL SAMPLES

Patent Period Started From 12/05/2009 and Will end on 11/05/2029

(57) The present invention relates to a measuring device of the electric properties of solid or liquid geological samples, such as, for example, rocks, preferably from oil or gas reservoirs, and saturation fluids of the same, comprising a hollow body consisting of a first upper half-shell and a second lower half-shell, the upper and lower half-shells coaxially sliding one inside the other, inside the body there being a housing seat for a substantially cylindrical sample, two pairs of electrodes being envisaged facing the housing seat for the injection of current into a sample and for the measurement of the voltage at the ends of the sample, characterized in that the pairs of electrodes are pairs of coplanar electrodes, each situated at one end of the housing seat.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/12/2008** **1993/2008** **March 2013** **12/06/2013** **26294**

(51)	**Int. Cl. [8] G11B 7/005, 7/125**
(71)	**1. PANASONIC CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. NAKAMURA, Atsushi** **2. MIYAGAWA, Naoyasu** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2006-162295 – 12/06/2006** **2. (PCT/JP2007/061505) – 31/05/2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) READING DEVICE AND READING METHOD FOR AN OPTICAL DATA RECORDING MEDIUM

Patent Period Started From 31/05/2007 and Will end on 30/05/2027

(57) A reading devices suppresses deterioration of the recording marks caused by increasing the output laser power to compensate for a drop in the S/N ratio when reading at a high speed information recorded to a high density recording medium. To read information recorded to an optical data recording medium that is written and read using a laser beam output from a semiconductor laser, the reading method modulates a high frequency current on the drive current of the semiconductor laser to output the laser beam, and changes the light modulation rate according to the selected linear velocity used for reading. The light modulation rate is the ratio Pp/Pave between the peak power Pp and the average read power Pave of the light intensity of the high frequency modulated laser beam.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/08/2010** **1409D/2010** **March 2013** **12/06/2013** **26295**

(51)	**Int. Cl. [8] E02F 9/28**
(71)	**1. ESCO CORPORATION (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. CARPENTER, Christopher, M.** **BEARDEN, James, E.** **2. CONKLIN, Donald, M.** **DURAND, Sevem, D.** **3. MORRIS, Ray, J.**
(73)	**1.** **2.**
(30)	**1. (US) 60/787,268 – 30/03/2006** **2. (PCT/US2007/007872) – 28/03/2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) WEAR ASSEMBLY

Patent Period Started From 28/03/2007 and Will end on 27/03/2027

(57) A wear assembly for excavating equipment which includes a wear member and a base each with upper and lower stabilizing surfaces that are offset and at overlapping depths to reduce the overall depth of the assembly while maintaining high strength and a stable coupling. The nose and socket each includes a generally triangular-shaped front stabilizing end to provide a highly stable front connection between the nose and wear member for both vertical and side loading. The lock is movable between hold and release positions to accommodate replacing of the wear member when needed, and secured to the wear member for shipping and storage purposes.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/11/2008** **1893/2008** **March 2013** **12/06/2013** **26296**

(51)	**Int. Cl.** [8] **C09C 3/04, 3/10, & B02C 23/06 & C09K 3/10 & C08K 3/26 & C01F 11/18**	
(71)	**1. COATEX S. A.S. (FRANCE)** **2. OMYA DEVELOPMENT AG (SWITZERLAND)** **3.**	
(72)	**1. GANE, Patrick, A.** **2. BURI, Matthias** **3. BLUM, Rene, Vinzenz**	**4. MONGOIN, Jacques**
(73)	**1.** **2.**	
(30)	**1. (FR) 06/04690 – 24/05/2006** **2. (PCT/BI2007/001323) – 22/05/2007** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) METHOD FOR DRY MILLING OF MATERIALS WHICH CONTAIN CARBONATE ORE

Patent Period Started From 22/05/2007 and Will end on 21/05/2027

(57) A first objective of the present invention is a method for dry milling material which contains carbonate ore, characterized in that the said method comprises the following steps: a) dry milling of the said material in at least one milling unit: (i) in the presence of at least one polyalkylene glycol polymer where at least 90% but preferably 95% at least, and very preferably 98% at least of the monomer units forming the backbone of the said polymer are constituted by ethylene oxide, propylene oxide or their mixtures, and where the molecular weight is at least equal to 400 g/mole, (ii) such that the quantity of water in the said milling unit is less than 10% in dry weight of the said material in the said milling unit; b) the milled material may then be classified according to step a) with at least one classification unit; c) the steps a) and/or b) may be repeated with all or part of the milled material from step a) and/or step b). Another aim of the present invention is a product coming from step a) and/or b) and/or c) of the method of the invention. A third object of the present invention is the use of the said product from step a) and/or b) and/or c) for making sealant, paper, paint, plastic or else for formula used in agriculture.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	E G ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/04/2011** **0565/2011** **February 2013** **17/06/2013** **26297**

(51)	**Int. Cl.** [8] **B65B 9/13**	
(71)	**1. MSK VERPACKUNGS-SYSTEME GMBH (GERMANY)** **2.** **3.**	
(72)	**1. Frank Rolf Michels** **2. Norbert Vermeulen** **3. Enrico czok**	**Michael oymann** **Serge Alekseew**
(73)	**1.** **2.**	
(30)	**1. (DE) 10003989,0 – 15/04/2010** **2.** **3.**	
(74)	**MRS. SOHEIR M. JOSEPH**	
(12)	**Patent**	

(54) APPARATUS AND METHOD OF WRAPPING A FILM AROUND A STACK OF OBJECTS

Patent Period Started From 12/04/2011 and Will end on 11/04/2031

(57) Apparatus for wrapping a stack of objects with a film, the apparatus having at least one film supply for the film, a filmfeed head for feeding the film, and a device for pulling the film down over the stack of objects. The film-feed head has a base, and a rotatable support rotatable relative to the base. The base includes at least one film feeder for feeding the film to the rotatable support. The rotatable support has a film storer for storing a film section for at least one covering operation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/05/2010** **0862/2010** **March 2013** **17/06/2013** **26298**

(51)	**Int. Cl.** [8] **C10B 37/02 , 41/00 & G01S 17/08**
(71)	**1. UHDE GMBH (GERMANY)** **2.** **3.**
(72)	**1. SCHÜCKER, Franz-Josef** **2. THOMAS, Peter** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102007057348,2 – 28/11/2007** **2. (PCT/EP2008/009370) – 06/11/2008** **3.**
(74)	**MRS. SOHEIR M. JOSEPH**
(12)	**Patent**

(54) LEVELLING DEVICE AND METHOD OF CHARGING AN OVEN CHAMBER OF A COKE OVEN BATTERY

Patent Period Started From 06/11/2008 and Will end on 05/11/2028

(57) The invention relates to a method of charging an oven chamber of a coke oven battery, wherein by means of at least one measuring appliance arranged on a levelling rod and of a computation unit connected to the measuring appliance the course of heaping in the longitudinal direction is determined within the oven chamber during the charging operation and wherein, depending on the course of heaping which is determined, additional charging of the oven chamber is performed. According to the invention, a three-dimensional level profile is determined in a contact-free manner in the longitudinal and transverse directions of the oven chamber by means of the measuring device. The invention also relates to a levelling device for carrying out the method using a measuring appliance operating in a contact-free manner and arranged on a levelling rod .

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	E G ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/08/2010** **1389/2010** **February 2013** **17/06/2013** **26299**

(51)	**Int. Cl. [8] A01N 37/22, 37/26, 25/28, 25/04, 41/10, 43/56, 43/80, 57/20**
(71)	**1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND)** **2.** **3.**
(72)	**1. NELSON, Alan, Frederick** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/029.996 – 20/02/2008** **2. (PCT/EP2009/000979) 12/02/2009** **3.**
(74)	**MRS. SOHEIR M. JOSEPH, PATENT ATTORNEY**
(12)	**Patent**

(54)	**HERBICIDE FORMULATION**
	Patent Period Started From 12/02/2009 and Will end on 11/02/2029

(57) The present invention relates, inter alia, to a novel herbicide formulation comprising: an aqueous phase; an HPPD inhibitor in suspension in the aqueous phase; an encapsulated chloroacetamide and/or an isoxazoline herbicide in suspension in the aqueous phase; glyphosate and/or glufosinate or an agrochemically acceptable salt thereof, in solution in the aqueous phase. The invention further relates to a process for the preparation of an herbicide formulation of the invention and to a process for the control of unwanted vegetation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/07/2010** **1258/2010** **March 2013** **23/06/2013** **26300**

(51)	**Int. Cl.** [8] **A01M 1/12**
(71)	**1. RANDA M. ABD EI- RAHMAN (EGYPT)** **2.** **3.**
(72)	**1. RANDA M. ABD EI- RAHMAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**A MODIFICATION OF LOTEK FOR OVERCOMING**
	Patent Period Started From 26/07/2010 and Will end on 25/07/2030

(57) Infection In Randatech immersion is the preferred method . The idea of this improvement is to overcome the disadvantage of transferring the dead larvae from the infection tray to the holding tray. This is occure because The infection tray serves as a holding tray Harvesting The concept of improvement the harvester relies on the simple White trap model which take advantage of natural active migration of the infective juveniles to a water reservoir. No need for the separation process because non-infective stages, media remains, and other waste materials will not found. Clean-up Clean up in vivo production systems is among the most laborious and tedious steps. In the present method clean up is simply occurred by removing the muslin with its cadavers, then washing with water.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/06/2008** **0990/2008** **February 2013** **25/06/2013** **26301**

(51)	**Int. Cl.** [8] **A61B 5/103**
(71)	**1. ALI MAHMOUD MOHAMED MOSTAFA (EGYPT)** **2. MOHAMED MAHMOUD MOHAMED MOSTAFA (EGYPT)** **3. AHMED MAHMOUD MOHAMED MOSTAFA (EGYPT)**
(72)	**1. ALI MAHMOUD MOHAMED MOSTAFA** **2. MOHAMED MAHMOUD MOHAMED MOSTAFA** **3. AHMED MAHMOUD MOHAMED MOSTAFA**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**UTILITY MODEL**

(54)	**ANCILLARY SET FOR ENDOSCOPIC MANAGEMENT OF CERVICAL ATERSIA**
	Patent Period Started From 15/06/2008 and Will end on 14/06/2015

(57) Atresia of the uterine cervix is a rare but challenging Müllerian anomaly. Total hysterectomy was the classical treatment of this malformation when surgical reanastomosis failed. The purpose of present patent was to introduce the least invasive conservative surgical procedure and to evaluate its short term outcomes. The device is made for doing the operation totally endoscopic with minimal dissection and high success rate by pacing guide needle under laparoscopic monitoring then passing graduated dilators to the uterine cavity guided by the needle and monitored by laparoscopy. Lastly a specially designed uterine catheter is left for 3-4 weeks to ensure the formation of a permanent pass.

Arab Republic of Egypt **Ministry of State for Scientific Research** **cademy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/04/2010** **0645/2010** **February 2013** **26/06/2013** **26302**

(51)	**Int. Cl.[8] H04L 12/16 , H04M 11/06, H04W 4/18**
(71)	**1. CHOURAQUI, Jean(FRANCE)** **2. NGUYEN, Hung (CANADA)** **3.**
(72)	**1. CHOURAQUI, Jean** **2. NGUYEN, Hung** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/IB2007/004607) – 26/10/2007** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHODS AND SYSTEMS FOR TRANSFERRING MULTIMEDIA CONTENT USING AN EXISTING DIGITAL SOUND TRANSFER PROTOCOL**
	Patent Period Started From 26/10/2007 and Will end on 25/10/2027

(57) There are provided methods and systems for transferring multimedia content using an existing digital sound transfer protocol. A system for processing multimedia content for transfer over one or more networks includes a transformation device and a reconstruction device. The transformation device is for transforming a multimedia file into a sound file for subsequent transfer over the one or more networks using an existing digital sound transfer protocol. The multimedia file represents the multimedia content. The reconstruction device is for reconstructing the multimedia content from the sound file, after the sound file has been transferred.

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

GRANTED PATENTS' ABSTRACTS GAZETTE

" PATENTS ISSUED JULY IN 2013"

Egyptian Patent Office

Issue No 207 **AUGUST 2013**

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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Title	54
Abstract	57
Applicant Name	71
Inventor Name	72
Patentee Name	73
Patent Attorney Name	74

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NA	Namibia
NE	Niger
NG	Nigeria
NI	Nicaragua
NL	Netherlands
NO	Norway
NZ	New Zealand
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VN	Viet Nam
YD	Yemen
YU	Yugoslavia
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ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
JULY (2013)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/09/2002** **1071/2002** **January 2013** **02/07/2013** **26303**

(51)	**Int. Cl.[8] C01D 3/04, A61K 9/08, 33/28,47/02**
(71)	**1. DR GAMIL ADIB HABIB HAKIM (EGYPT)** **2.** **3.**
(72)	**1. DR GAMIL ADIB HABIB HAKIM** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**MAGIC ANTI -MICROBIAL DROPS**
	Patent Period Started From Granting date and Will end on 27/09/2022

(57) There are some infection of the eye have no effective anti-biotics, especially the viral funjal , moniliasis, specific bacilli… etc. All effective iodin components althoujh it the most effective to kill all this types of orjanismes , but all aavailable drugs have concentration not sutable for ocular applications (as pitadine) or soluble in alcohol (as mercucrome) which is corrosive to ocular tissues …. This preparation is water - soluble & its concentration is safe ,sutable& effective against all types of infections of the eye & cane be used safety as pri-operative&post - operative this drug is effective also, to any dearal infections , either as treatments or prior post - operative sterilization, without any allerjic reaction op complications.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/08/2009** **1188/2009** **March 2013** **03/07/2013** **26304**

(51)	**Int. Cl. [8] G08B 23/00**
(71)	**1. BEHAVIORAL RECOGNITION SYSTEMS, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. EATON, John Eric;** **2. COBB, Wesley Kenneth;** **3. URECH, Dennis Gene;** **4. BLYTHE, Bobby Ernest;** **5. FRIEDLANDER, David Samuel;** **6. GOTTUMUKKAL, Rajkiran Kumar;** **7. RISINGER, Lon William;** **8. SAITWAL, Kishor Adinath;** **9. SEOW, Ming-Jung;** **10. SOLUM, David Marvin;** **11. XU, Gang;** **12. YANG, Tao;**
(73)	**1.** **2.**
(30)	**1. (US) 60/888,777 – 02/02/2007** **2. (PCT/US2008/053457) – 08/02/2008** **3.**
(74)	**SMAS FOR INTELLECTUAL PROPERTY**
(12)	**Patent**

(54) BEHAVIORAL RECOGNITION SYSTEM AND METHOD WITHIN A VIDEO FRAME

Patent Period Started From 08/02/2008 and Will end on 07/02/2028

(57) Embodiments of the present invention provide a method and a system for analyzing and learning behavior based on an acquired stream of video frames. Objects depicted in the stream are determined based on an analysis of the video frames. Each object may have a corresponding search model used to track an object's motion frame-to-frame. Classes of the objects are determined and semantic representations of the objects are generated. The semantic representations are used to determine objects' behaviors and to learn about behaviors occurring in an environment depicted by the acquired video streams. This way, the system learns rapidly and in real-time normal and abnormal behaviors for any environment by analyzing movements or activities or absence of such in the environment and identifies and predicts abnormal and suspicious behavior based on what has been learned.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/11/2009** **1639/2009** **April 2013** **07/07/2013** **26305**

(51)	**Int. Cl. [8] G09F 1/00, 7/00**
(71)	**1. NABIL SABER MOHAMED MOHAMED EL MASRY (EGYPT)** **2.** **3.**
(72)	**1. NABIL SABER MOHAMED MOHAMED EL MASRY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**UTILITY MODEL**

(54) USE A NEW MATERIAL IN THE ADVERTISEMENT FIELD

Patent Period Started From 08/11/2009 and Will end on 07/11/2016

(57) Advertisement art always need a new ideas inspired by the new innovations and the talent ideas. According to this and after many years of study . finally I present to you a new advertisement material we can use it by many different methods to type the company's advertisement rather than plastic and wooden signs , the new material is the ceramics , porcelain , pottery and fiberglass materials etc. we can use it also in many purpose like Islamic art(verses of the holy Koran) , ornaments by many methods this includes the pharaoh art , Coptic art , Chinese art , Japanese art and the Indian art , also the famous portraits by many methods We can use this material combined or separately to create an iconic pictures or images in some cases we can use this material around the advertisement also by many 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)**	**14/03/2010** **0399/2010** **February 2013** **09/07/2013** **26306**

(51)	**Int. Cl.** [8] **A01N 25/08**
(71)	**1. MEVLABS, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. KOLLARS, Thomas** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/970,552 – 07/09/2007** **2. (PCT/US2008/075324) – 05/09/2008** **3.**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54) FORMULATIONS AND DEVICES FOR DELIVERING COMPOUNDS TO ARTHROPODS AND MICROORGANISMS WITHIN ARTHOPODS

Patent Period Started From 05/09/2008 and Will end on 04/09/2028

(57) Described herein are formulations and devices for delivering compounds to arthropods and microorganisms within the arthropods. The formulations are generally composed of a sugar and the compound, wherein the compound targets a particular pathogen or other microorganism within the arthropod, kills the arthropod, or a combination thereof.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/08/2011** **1366/2011** **January 2013** **14/07/2013** **26307**

(51)	**Int. Cl.[8] E02F 3/88**
(71)	**1. DAMEN DREDGING EQUIPMENT B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. WINKELMANN, Marius Otto** **2. RATERING, Hendrik** **3.**
(73)	**1.** **2.**
(30)	**1. PCT/EP2009/058526 – 06/07/2009** **2. (PCT/US2010/059500) – 02/07/2010** **3.**
(74)	**AHMED MOHAMED FATHY AND MAHMOUD – ADEL ABD EL HAMED**
(12)	**Patent**

(54)	**A DREDGE VESSEL SYSTEM**
	Patent Period Started From 02/07/2010 and Will end on 01/07/2030

(57) Is concerned a system for recovering immerged sediments from a concession and discharging them. From a free sailing extraction ship a mixture of water and sediment is sucked by a submerged pump unit through a flexible hose adapted to be rolled on a rotative reel disposed on said extraction ship, while the ship is sailing over the concession. The sucked mixture is then immediately delivered to one of a series of free sailing carrier and transport units that sails alongside.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/03/2010** **0359/2010** **March 2013** **15/07/2013** **26308**

(51)	**Int. Cl. [8] G01V 99/00**
(71)	**1. LANDMARK GRAPHICS CORPORATION (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ROSS, WILLIAM C.** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/969,860 – 04/09/2007** **2. (US) 12/186,225 – 05/08/2008** **3. (PCT/US2008/075144) – 03/09/2008**
(74)	**MAHMOUD AL WALILY**
(12)	**Patent**

(54)	**ADDING POSITIONAL INFORMATION FOR SURFACES IN A GEOLOGICAL FORMATION AFTER TRANSFORMING TO A GAPPED REPRESENTATION**
	Patent Period Started From 03/09/2008 and Will end on 02/09/2028

(57) A system, method and memory medium for injecting positional information into a geological data set for improved modeling of surfaces in a geological formation. The method involves: (1) displaying a cross section of the formation through a selected subset of wells, where the displayed cross section includes well picks for the selected wells; (2) opening a gap in an unconformity of the displayed cross section, where the gap is opened at one or more wells that intersect the unconformity, where the gap represents non-deposition and/or material that is missing from the formation due to erosion; (3) receiving user input specifying positions of tops within the gap; and (4) closing the gap, where closing the gap includes calculating positions of restored tops based on the positions of the tops specified within the gap, where the positions of the restored tops are usable to model one or more surfaces in the formation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/10/2009** **1449/2009** **March 2013** **17/07/2013** **26309**

(51)	**Int. Cl. [8] E04B 1/76, 1/80**
(71)	**1. AL- TUHAMI ABU ZEID ABD ALLAH (EGYPT)** **2.** **3.**
(72)	**1. AL- TUHAMI ABU ZEID ABD ALLAH** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**A METHOD AND TECHNIQUE FOR MANUFACTURING PRECAST LIGHT WEIGHT ENVIRONMENT FRIENDLY REINFORCED CONCRETE WALLS HAVING GOOD MECHANICAL PROPERTIES**
	Patent Period Started From 01/10/2009 and Will end on 30/09/2029

(57) This invention present a method and a technique for produce light weight reinforced concrete walls having good mechanical properties. The structure comprises a pre-cast hollow blocks wall panels assembled at the place of a building construction. Each wall panel consists of blocks of filling materials, two layers of reinforced concrete or cement mortar and reinforced concrete ribs. The longitudinal reinforcement of the ribs slightly protruded outside the wall or slab panel to be used for making collecting reinforced concrete ribs attaching the walls and/or slabs together. Filling materials may by polystyrene-foam or any other light weight materials having good thermal and sound insulation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/02/2007** **PCT/NA2007/000167** **March 2013** **17/07/2013** **26310**

(51)	**Int. Cl. [8] C01V 1/00**
(71)	**1. PGS AMERICAS, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BORRESEN, Claes, Nicolai** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 10/935,515 – 07/09/2004** **2. (PCT/US2008/075144) – 23/08/2005** **3.**
(74)	**MOHAMED KAMEL MOSTAFA**
(12)	**Patent**

(54)	**SYSTEM FOR ATTENUATION OF WATER BOTTOM MULTIPLES IN SEISMIC DATA RECORDED BY PRESSURE SENSORS AND PARTICLE MOTION SENSORS**
	Patent Period Started From 23/08/2005 and Will end on 22/08/2025

(57) The invention is an up-going wavefield and a down-going wavefield are calculated at a sensor position from pressure sensor signal and particle motion sensor signal. Then, an up –going wavefield is calculated at a water bottom position substantially without water bottom multiples from the up-going and down-going wavefields at the sensor position. In on embodiment, the up- going wavefield at the sensor position is backward propagated to the water bottom.resulting in an up-going wavefield at the water bottom. The down going wavefield at the sensor position is forward propagated to the water bottom. Resulting on a down- going wavefiled at the water bottom. The up-going wavefield at water bottom without water bottom multiples is calculated from the backward propagated up-going wavefield at the water bottom, the forward propagated down-going wavefield at the water bottom, and a reflection coefficient of water bottom.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/11/2010** **1850/2010** **March 2013** **17/07/2013** **26311**

(51)	**Int. Cl.** [8] **G01V 1/38**
(71)	**1. PGS GEOPHYSICAL AS (NORWAY)** **2.** **3.**
(72)	**1. TURNBULL, Neil** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/151,488 – 07/05/2008** **2. (PCT/GB2009/001131) – 06/05/2009** **3.**
(74)	**MOHAMED KAMEL MOSTAFA**
(12)	**Patent**

(54) METHOD FOR ATTENUATING LOW FREQUENCY NOISE IN A DUAL-SENSOR SEISMIC STREAMER

Patent Period Started From 06/05/2009 and Will end on 05/05/2029

(57) A calculated vertical velocity sensor signal is determined from a recorded pressure sensor signal (11). A constructed vertical velocity sensor signal is determined as a linear combination of the calculated vertical velocity sensor signal and a recorded vertical velocity sensor signal in dual-sensor seismic streamer data, using a mixture coefficient as a proportionality constant (12). An upgoing pressure wavefield component is determined as one half of a difference of the recorded pressure sensor signal and the constructed vertical velocity sensor signal, as a function of the mixture coefficient (13). An error in the upgoing pressure wavefield component is determined by propagating errors in the recorded pressure sensor signal and constructed vertical velocity sensor signal terms (14). A value of the mixture coefficient is determined that minimizes the error in the upgoing pressure wavefield component (15).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/02/2010** **0279/2010** **March 2013** **18/07/2013** **26312**

(51)	**Int. Cl.[8] F16L 35/00**
(71)	**1. VAM USA, LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BREIHAN, James** **2. BAILEY, andyle, Gregory** **3. HEGLER, Matthew**
(73)	**1.** **2.**
(30)	**1. (US) 11/850,226 – 05/09/2007** **2. (PCT/US2008/012444) – 04/11/2008** **3.**
(74)	**SMAS FOR INTELLECTUAL PROPERTY**
(12)	**Patent**

(54)	**OILFIELD TUBULAR CONNECTION WITH INCREASED COMPRESSION CAPACITY**
	Patent Period Started From 04/11/2008 and Will end on 03/11/2028

(57) A threaded oilfield tubular connection 10 includes a pin member 12 having a first external tapered thread 24 and a second external tapered thread 26. A box member includes a first internal tapered thread 14 and a second internal tapered thread 16. Helical torque shoulders 40, 42 are provided on the pin member and the box member axially spaced between the respective first and second threads. The helix of each torque shoulder includes a plurality of revolutions with compression flanks on both the pin member and the box member.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/11/2007** **PCT/NA2007/001326** **January 2013** **24/07/2013** **26313**

(51)	**Int. Cl.** [8] **G01L 21/00**	
(71)	**1. MICROSOFT CORPORATION (UNITED STATES)** **2.** **3.**	
(72)	**1. SUN, Xiaoqin** **2. WANG, Tian** **3. KHALIL, Hosam A.**	**4. KOISHIDA, Kazuhito** **5. CHEN, Wei-Ge**
(73)	**1.** **2.**	
(30)	**1. (US) 11/142,603 – 31/05/2005** **2. (PCT/US2006/012641) – 05/04/2006** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) A METHOD FOR PROCESSING AUDIO SIGNAL BY USING FILTER COEFFICIENTS

Patent Period Started From 05/04/2006 and Will end on 04/04/2026

(57) Techniques and tools are described for processing reconstructed audio signals. For example, a reconstructed audio signal is filtered in the time domain using filter coefficients that are calculated, at least in part, in the frequency domain. As another example, producing a set of filter coefficients for filtering a reconstructed audio signal includes clipping one or more peaks of a set of coefficient values. As yet another example, for a sub-band codec, in a frequency region near an intersection between two sub-bands, a reconstructed composite signal is enhanced.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/01/2008** **0158/2008** **April 2013** **25/07/2013** **26314**

(51)	**Int. Cl. [8] G03G 15/00, 21/18**	
(71)	**1. STATIC CONTROL COMPONENTS INC. , (UNITED STATE OF AMERICA)** **2.** **3.**	
(72)	**1. HUCK, Donald, R.** **2. JONES, James, H.** **3. WILLIAMS, James, R.**	**4. CAUSEY, Anthony, D.** **5. MARTIN, Thomas, J.**
(73)	**1.** **2.**	
(30)	**1. (US) 11/193,944 – 28/07/2005** **2. (PCT/US2006/029040) – 26/07/2006** **3.**	
(74)	**HODA ABD EL HADI**	
(12)	**Patent**	

(54) SYSTEMS AND METHODS FOR REMANUFACTURING IMAGING COMPONENTS

Patent Period Started From 26/07/2006 and Will end on 25/07/2026

(57) Systems and methods of remanufacturing an imaging cartridge including (100) the replacement an organic photo conductor (OPC) drum in the imaging cartridge having end caps which are fixedly secured to the waste bin or other portion of the toner cartridge. In one aspect, the method involves removing the existing OPC drum without detaching the end caps and installing a replacement OPC drum without disturbing the end caps.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/02/2011** **0279/2011** **March 2013** **25/07/2013** **26315**

(51)	**Int. Cl.[8] B01D 39/20 & B01J 20/20 & C02F 1/28**
(71)	**1. UNILEVER PLC (UNITED KINGDOM)** **2.** **3.**
(72)	**1. CHATTERJEE, Jaideep** **2. GUPTA, Santosh, K.** **3.**
(73)	**1.** **2.**
(30)	**1. (IN) 2008MUM1772 – 22/08/2008** **2. (PCT/EP2009/059404) – 23/07/2009** **3.**
(74)	**HODA ABD EL HADI**
(12)	**Patent**

(54)	**PARTICULATE FILTER**
	Patent Period Started From 23/07/2009 and Will end on 22/07/2029

(57) The present invention relates to a hemispherical or torispherical particulate filter block for filtering particulate contaminants including microorganisms like cysts, bacteria and viruses while at the same time providing for relatively high flow rates over long period of time. The invention is especially useful for incorporation in a water filter for filtration of water under gravity which removes the above contaminants in addition to chemical contaminants. Of the methods known in the art, filtration is the most widely used, as it is relatively inexpensive and does not require continuous supply of electricity. However, filters have the problem in that either that are not able to remove all the impurities in water or choke rather fast and need to be replaced. The present invention is aimed at solving this problem. Accordingly, the present invention provides a hemispherical or torispherical particulate filter block comprising a first layer of particles of 30 to 60 mesh size and a second layer of particles of 60 to 200 mesh size integrally bonded together with a binder.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ج.م.ع	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/10/2009** **1458/2009** **March 2013** **25/07/2013** **26316**

(51)	**Int. Cl.** [8] **G01V 1/28**
(71)	**1. GECO TECHNOLOGY B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. KAMBIZ IRANPOUR** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/245503 – 03/10/2008** **2.** **3.**
(74)	**HODA ABD EL HADI**
(12)	**Patent**

(54) HARMONIC ATTENUATION USING MULTIPLE SWEEP RATES

Patent Period Started From 04/10/2009 and Will end on 03/10/2029

(57) A technique includes generating seismic sweep sequences each of seismic sweep sequences has an associated sweep rate the technique includes varying the sweep rates to reduce harmonic distortion present in a composite seismic measurement produced in response to the sweep sequences.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/09/2008** **1623/2008** **April 2013** **25/07/2013** **26317**

(51)	**Int. Cl.[8] E21B 23/08**
(71)	**1. PRAD RESEARCH AND DEVELOPMENT LIMITED (NETHELANDS)** **2.** **3.**
(72)	**1. LOVELL, John, R.** **2. ADNAN, Sarmad** **3. GAY, Michael, G.**
(73)	**1.** **2.**
(30)	**1. (US) 11/278512 – 03/04/2006** **2. (PCT/IB2007/051123) – 29/03/2007** **3.**
(74)	**HODA ABD EL HADI**
(12)	**Patent**

(54)	**WELL SERVICING METHODS AND SYSTEMS**
	Patent Period Started From 29/03/2007 and Will end on 28/03/2027

(57) Well servicing methods and systems are described, in one embodiment comprising a pressure containment housing fluidly connected directly to a wellhead of a wellbore, and a reel positioned inside the housing on which is spooled a communication line. One method comprises introducing the communication line into the pressurized wellbore without a well control stack, the communication line being introduced and driven into the wellbore by controlling a reel, the reel being internal to a pressurized housing removably connected directly to a wellhead of the wellbore. Fluid flow may move the communication line to a desired location in the wellbore.

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** **0100/2011** **March 2013** **28/07/2013** **26318**

(51)	**Int. Cl.[8] C05G 3/00, 5/00 & C05C 9/00**
(71)	**1. AGRIUM INC. (CANADA)** **2.** **3.**
(72)	**1. OGLE, Jeffrey Michael** **2. SIMS, Johnny Duran** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/174,322 – 16/07/2008** **2. (PCT/CA2009/000110) – 30/01/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) CONTROLLED RELEASE FERTILIZER COMPOSITION

Patent Period Started From 30/01/2009 and Will end on 29/01/2029

(57) A controlled release fertilizer composition and methods to produce the controlled release fertilizer composition are described. The controlled release fertilizer composition comprises a water soluble fertilizer core that is coated with a polymeric layer, intermediate layer, and a sulfur layer. If desired, the sulfur layer can be coated with an outer water-insoluble 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)**	**09/08/2010** **1345/2010** **February 2013** **30/07/2013** **26319**

(51)	**Int. Cl. [8] H01M 8/06**
(71)	**1. ROLA SAMIR ABD EL-RAHMAN AFIFY (EGYPT)** **2.** **3.**
(72)	**1. ROLA SAMIR ABD EL-RAHMAN AFIFY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**A MODIFIED METHOD FOR THE FORMATION AND FOLLOW UP HYDROGEN BUBBLES IN HYDROGEN BUBBLE GENERATOR APPARATUS**
	Patent Period Started From 09/08/2010 and Will end on 08/08/2030

(57) In Hydrogen Bubble Generator the generation of the hydrogen bubbles is used to simulate the flow by a thin platinum/iridium wire, which is applied as a cathode in the salty water. Two modifications are made. The first one is in the material and shape of the wire. A copper wire with a one meter length is used with coiling the most of it. Each circle, of this coil, is one centimeter diameter and they are inclined in one plane to be fully submerging under the surface of salty water. The copper wire generates larger amount of hydrogen bubbles than the platinum/iridium wire. In the second modification, the dark place and the special light are replaced by a dark cardboard (preferably black) and is placed on the opposite side from the place of photography or vision to prevent the reflection of backgrounds on the water surface.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/07/2009** **1121/2009** **February 2013** **30/07/2013** **26320**

(51)	**Int. Cl.** [8] **C09K 8/72, 8/60**
(71)	**1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. HUANG, Tianping** **2. CREWS, James, B.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 11/626,163 – 23/01/2007** **2. (PCT/US2008/051815) – 23/01/2008** **3.**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54)	**ORGANIC ACID TREATING FLUIDS WITH VISCOELASTIC SURFACTANTS AND INTERNAL BREAKERS**
	Patent Period Started From 23/01/2008 and Will end on 22/01/2028

(57) An aqueous fluid system that contains an aqueous dicarboxylic acid solution, a viscoelastic surfactant as a gelling agent to increase the viscosity of the fluid, and an internal breaker such as mineral oil and/or fish oil to controllably break the viscosity of the fluid provides a self-diverting acid treatment of subterranean formations. The internal breaker may be at least one mineral oil, a polyalphaolefin oil, a saturated fatty acid, and/or is an unsaturated fatty acid. The VES gelling agent does not yield viscosity until the organic acid starts to spend. Full viscosity yield of the VES gelling agent typically occurs at about 6.0 pH. The internal breaker allows the VES gelling agent to fully viscosify the spent organic acid at 6.0 pH and higher, but as the spent-acid VES gelled fluid reaching reservoir temperature, controllable break of the VES fluid viscosity over time can be achieved.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/12/2007** **0633/2007** **April 2013** **31/07/2013** **26321**

(51)	**Int. Cl.[8] A61M 16/01 & 16/04**
(71)	**1. DR. SAFAA MAHMOUD ISSA (EGYPT)** **2.** **3.**
(72)	**1. DR. SAFAA MAHMOUD ISSA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**UTILITY MODEL**

(54)	**BUILDINGS PIPES COVER FOR PROTECTION FROM BURGLARY**
	Patent Period Started From 04/12/2007 and Will end on 03/12/2014

(57) The new idea is: As building pipes have always been the way allowing burglars to slide along in order to reach high floors, new invented covers for pipes will prevent burglars from using these passages to reach different floors in buildings. These covers could be easily fixed on either new or existing pipes.(58) The cover consists of a frame that holds spikes and is made of steel or other material and would be mounted on pipes of different sizes. They could also be easily removed in case of repair but it is not possible to be done by a burglar as its height is more than 2 meters.(59) Description: Frames with spikes and hanging collared (round like a collar) arms that will be tightened around the pipes. These constitute the buildings pipes cover.(60) Manufacturing: The cover needs a mold that could fit the 2-4 inches diameter for the pipes of different diameters sizes.(61) Chosen Materials for covers: Such covers whether these are made of steel, plastic or PVC do not put additional loads on buildings' pipes.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/03/2005** **0142/2005** **April 2013** **31/07/2013** **26322**

(51)	**Int. Cl.[8] A61M 16/01 & 16/04**
(71)	**1. OSAMA ABD ELGAWAD NASR NOFAL (EGYPT)** **2.** **3.**
(72)	**1. OSAMA ABD ELGAWAD NASR NOFAL** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**TOLERABLE ENDOTRACHEAT TUBE**
	Patent Period Started From 20/03/2005 and Will end on 19/03/2025

(57) It is a conventional endotracheat tube (ET) that is commonly used in anesthetic practice, where there is channel passing through the wall and in conjunction with the balloon of the ET. The channel is used for drug injection and is divided into two parts: 1-pored part starting at the beginning of the ET to pass in conjunction with its balloon. The pores are arranged in parallel lines and different angles with horizontal plane. 2-non-pored part which is in continuity with the pored one and ends by an adapter that has dimensions that will accommodate a nozzle of a conventional syringe tightly. The channel for balloon inflation is included within the wall of the ET at its larger curve.

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

GRANTED PATENTS' ABSTRACTS GAZETTE

" PATENTS ISSUED AUGUST IN 2013"

Egyptian Patent Office

Issue No 208 **September 2013**

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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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Application Number	21
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Priority Number Priority Date Priority Country	30
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Patent Attorney Name	74

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

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ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
August (2013)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/01/2010** **0001/2010** **April 2013** **06/08/2013** **26323**

(51)	**Int. Cl.[8] E01B 9/30**
(71)	**1. PANDROL LIMITED(UNITED KINGDOM)** **2.** **3.**
(72)	**1. COX , STEPHEN , HOHN** **2. HAMILTON , ROBERT , JOHN** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/GB2007/002488) – 04/07/2007** **2.** **3.**
(74)	**SOHAIR M. REZK**
(12)	**Patent**

(54) A SEALING PLATE FOR USE WITH A RAIL CLIP ANCHORING DEVICE

Patent Period Started From 04/07/2007 and Will end on 03/07/2027

(57) A sealing plate for use with a rail clip anchoring device having a head and a stem which extend from the head into a concrete sleeper when the anchoring device is in use, wherein the plate is adapted for extending over the underside of the head when the stem of the device is being set in a concrete sleeper thereby to prevent ingress of concrete into the head of the device, and for being retained on the surface of the sleeper thereafter, and face of the plate which is to be exposed on the surface of the sleeper is not adapted to receive part of a rail clip.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/06/2009** **0923/2009** **March 2013** **06/08/2013** **26324**

(51)	**Int. Cl.** [8] **F03D 11/04**
(71)	**1. HASHIMOTO, YOSHIMASA (JAPAN)** **2. SATO, SHIGERU (JAPAN)** **3.**
(72)	**1. SATO, Shigeru** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/JP2006/325393) – 20/12/2006** **2. (PCT/JP2007/074303) – 18/12/2007** **3.**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54)	**WIND POWER APPARATUS**
	Patent Period Started From 18/12/2007 and Will end on 19/12/2027

(57) Provided is a wind power apparatus which can make effective use of the energy of a weak wind irrespectively of the wind direction thereby to generate an electric power efficiently, and which can meet upsizing and power increase easily with a simple structure. The wind power apparatus comprises a wind tunnel constituted of a cylindrical member erected vertically from a foundation, a plurality of wind-collecting plates extending in the direction of the normal to the circumferential wall of the cylindrical member, a plurality of vertical guide plates disposed between the wind-collecting plates, a plurality of wind inlets for introducing the wind collected by the wind-collecting plates, into the wind tunnel, back-flow preventing means for allowing only the flow of the wind from the outside of the cylindrical member to the inside of the cylindrical member, a turbine to be driven by the wind blown from one end portion of the wind tunnel, and a power generator to be driven by the turbine.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/03/2011** **0489/2011** **April 2013** **06/08/2013** **26325**

(51)	**Int. Cl. [8] B26B 21/40**
(71)	**1. THE GILLETTE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. CLARKE, Sean, Peter** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/102,100 – 02/10/2008** **2. (US) 12/542,141 – 17/08/2009** **3. (PCT/US2009/058907) – 30/09/2009**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54)	**SHAVING RAZORS AND CARTRIDGES**
	Patent Period Started From 30/09/2009 and Will end on 29/09/2029

(57) A shaving cartridge has a housing with at least one blade having a blade edge. The housing has a first guard in front of the blade with a plurality of projections defining a plurality of open slots extending generally transverse to the blade edge. The open slots have a width of about 0.20mm to about 0.49mm and a pitch of about 0.40mm to about 0.85mm for allowing the free passage of hair during shaving.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/05/2011** **0712/2011** **April 2013** **06/08/2013** **26326**

(51)	**Int. Cl. [8] E04H 4/10**
(71)	**1. BECOFLEX S.A. (BELGIUM)** **2.** **3.**
(72)	**1. COENRAETS, Benoît** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (BE) 2008/0612 – 12/11/2008** **2. (PCT/EP2009/064550) – 03/11/2009** **3.**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54) DEVICE FOR COVERING A SURFACE

Patent Period Started From 03/11/2009 and Will end on 02/11/2029

(57) The present invention relates to a device for covering a surface comprising a drum mounted to rotate and able to wind up or unwind a cover. Said drum is mounted on a longitudinal-translation mechanism comprising: (a) two flexible belts fixed only at each of their ends to the four corners of the surface that is to be covered and arranged along the two lengths of the perimeter of the surface that is to be covered; and (b) a carriage transversely overhanging the surface to be covered and supporting the drum, said carriage comprising, at each of its ends: (i) a drive wheel the rotation axle of which is parallel to that of said drum; (ii) at least two casters resting on the surface directly adjacent to the surface that is to be covered and allowing for the longitudinal translational movement of the carriage, these being mounted on each side of the drive wheel and together with the latter constituting a triangle of which the drive wheel forms the vertex; so that the sections of each flexible belt comprised between their points of attachment and the casters, are pressed against the length of the periphery of the surface that is to be covered, and so that the section of each belt comprised between the at least two casters runs over the drive wheel without slipping.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/05/2011** **0750/2011** **May 2013** **12/08/2013** **26327**

(51)	**Int. Cl. [8] H02J 3/36**
(71)	**1. TRANSOCEAN SEDCO FOREX VENTURES LINITES (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BOURGEAU, Edward Peter Kenneth** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/269,703 – 12/11/2008** **2. (PCT/US2009/060786) – 15/10/2009** **3.**
(74)	**NAZEIH SADEK**
(12)	**Patent**

(54)	**IMPROVED DC BUS REGULATOR**
	Patent Period Started From15/10/2009 and Will end on 14/10/2029

(57) An improved DC bus regulator that utilizes more transistor packs for power conversion at some times and diode, SCR, and resistor packs at other times. The conversion technology is selected by the regulator based on the current load capacity and response required. For example, transistor packs may be used in low power load conditions. Through use of this hybrid system, the system obtains the desirable effects of transistor pack systems including fast response time, ability to regulate current, and bi-directional power conversion while mitigating the high costs and fragile nature of a system based solely on transistor packs.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/08/2006** **0441/2006** **April 2013** **13/08/2013** **26328**

(51)	**Int. Cl. [8] B65G 5/00**
(71)	**1. HUSSAIN ALY MOHAMED ABDALLAH (EGYPT)** **2.** **3.**
(72)	**1. HUSSAIN ALY MOHAMED ABDALLAH** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) GAS ANNULAR SAFETY SYSTEM

Patent Period Started From 14/08/2006 and Will end on 13/08/2026

(57) It is used to secure gas wells when the well head is broken. This device overcame the problem of opening and closing the well using the control line. The device is more efficient and more safe by using check valve. The idea of this device is to automatic control the well without the need to use the control line which could be stock due to the forming of petroleum's scale, and that might lead to the ignition of the 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)**	**12/04/2011** **0564/2011** **April 2013** **13/08/2013** **26329**

(51)	**Int. Cl.** [8] **C03C 17/27**	
(71)	**1. ABENGOA SOLAR NEW TECHNOLOGIES, S.A. (SPAIN)** **2.** **3.**	
(72)	**1. VILLUENDAS yuste, Francisco** **2. ALCAÑIZ García, Carlos** **3. ALONSO Esteban, rAFAEL** **4. PELAYO Zueco, Javier**	**5. SUBÍAS Domingo Jesús, Mario** **6. HERAS VILA, Carlos** **7. MARTÍNEZ Sanz, Noelia**
(73)	**1.** **2.**	
(30)	**1. (ES) P200802953 – 20/10/2008** **2. (PCT/ES2009/000489) – 08/10/2009** **3.**	
(74)	**SOHAIR M. REZK**	
(12)	**Patent**	

(54) SELECTIVE SOLAR ABSORBING COATING AND MANUFACTURING METHOD

Patent Period Started From 08/10/2009 and Will end on 07/10/2029

(57) Selective solar absorbent coating and manufacturing method, with solar absorption and low emissivity properties. The coating comprises a substrate of metal, dielectric or ceramic material, at least one highly reflective metal layer in mid-far infrared applied to the substrate itself which provides low emissivity properties, a multi-layer structure of alternating dielectric and metallic layers of subnanometric thickness applied to the reflective metal layer and at least one dielectric layer that acts as an anti-reflective layer for the solar spectrum. The coating is applicable as a selective absorbent coating in absorbent tubes for parabolic-trough solar collectors, in solar panels for hot water, heating or domestic cooling, both in the form of absorbent tubes and absorbent sheets, in capture systems in tower solar thermoelectric power plants, and in capture systems in Stirling disk systems.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/07/2011** **1142/2011** **May 2013** **13/08/2013** **26330**

(51)	**Int. Cl. [8] G01V 1/38**
(71)	**1. KIETTA (FRANCE)** **2.** **3.**
(72)	**1. MANIN, Michel** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 0950012 – 05/01/2009** **2. (PCT/IB2009/007908) – 29/12/2009** **3.**
(74)	**Magda haroun**
(12)	**Patent**

(54)	**ENHANCED METHOD AND DEVICE FOR AQUATIC SEISMIC PROSPECTING**
	Patent Period Started From 29/12/2009 and Will end on 28/12/2029

(57) Enhanced method and device for aquatic seismic prospecting of the type in which: - a submerged mobile seismic source is positioned, able to create one or more disturbances transmitted through the aquatic medium in the form of waves able to be reflected on the bottom of the water and the different deep underlying geological layers; - at least one cable, and preferably several, provided with a plurality of sensors is positioned, able to collect said reflected waves; - said seismic source is triggered with one or more repeats thus creating one or more disturbances; - said reflected waves are picked up using said sensors.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/09/2010** **1507/2010** **April 2013** **13/08/2013** **26331**

(51)	**Int. Cl. [8] G06Q 20/00 , 40/00 & G07F 19/00**
(71)	**1. AL- SAHLI, MAHMOUD ANASS MAHMOUD (JORDAN)** **2.** **3.**
(72)	**1. AL- SAHLI, MAHMOUD ANASS MAHMOUD** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JO) P.110/2008 - 09/03/2008** **2. (PCT/CA2008/000935) – 14/05/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**SIM CHIP BANK SYSTEM AND METHOD**
	Patent Period Started From 14/05/2008 and Will end on 13/05/2028

(57) A Subscriber Identity Module (SIM) Chip Bank System and Method for enabling users registered in the system to control their financial and telecommunications resources from their mobile device over a mobile communications network. The system combines mobile network providers and financial services through the use of SIM chips without the need for modifying the users" mobile devices or SIM chip installed thereon. A SIM Chip Bank System Operator (SCB-O) regulates data flow between users, financial institutions, mobile communications service providers, SIM Chip Automated teller Machines and SIM Chip Service Providing Machines through a plurality of communications channels. Upon a user connecting to the SCB-O to request a transaction, the SCB-O connects to the appropriate financial institution to authorize the requested transaction. Upon successful completion, reports are sent back and forth to users confirming the event.

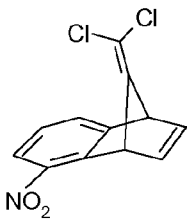
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/04/2011** **0618/2011** **May 2013** **19/08/2013** **26332**

(51)	**Int. Cl. [8] C07C 205/12, 22/02, 211/61, 23/08, 17/25**	
(71)	**1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND)** **2.** **3.**	
(72)	**1. GRIBKOV, Denis** **2. ANTELMANN, Björn** **3. GIORDANO, Fanny**	**4. WALTER, Harald** **5. DE MESMAEKER, Alain**
(73)	**1.** **2.**	
(30)	**1. (EP) 08018721.4 – 27/10/2008** **2. (EP) 09161388.5 – 28/05/2009** **3. (PCT/EP2009/062525) – 28/09/2009**	
(74)	**SOHAIR M. REZK**	
(12)	**Patent**	

(54) PROCESS FOR THE PREPARATION OF BENZONORBORNENES

Patent Period Started From 28/09/2009 and Will end on 27/09/2029

(57) The present invention relates to a novel a process for the preparation of 9-dichloromethylene-1,2,3,4-tetrahydro-1,4-methano-naphthalen-5-ylamine which process comprises a) reacting cyclopentadiene in the presence of a radical initiator and CXCI3, wherein X is chloro or bromo, to a compound of formula Il, or aa) reacting cyclopentadiene with CXCI3, wherein X is chloro, in the presence of a metal catalyst to a compound of formula Il, wherein X is chloro, b) reacting the compound of formula Il with a base in the presence of an appropriate solvent to the compound of formula III, c) and converting the compound of formula III in the presence of 1,2-dehydro-6- nitrobenzene to the compound of formula IV, and d) hydrogenating the compound of formula IV in the presence of a metal catalyst.



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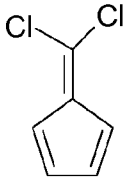

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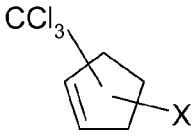


(II)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/10/2008** **1644/2008** **March 2013** **19/08/2013** **26333**

(51)	**Int. Cl.[8] C08G 18/22, 18/66, 18/24, 18/76**
(71)	**1. DOW GLOBAL TECHNOLOGIES, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JENKINES, Randall, C.** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/790,336 – 07/04/2006** **2. (PCT/US2007/006768) – 19/03/2007** **3.**
(74)	**ABDEL HADI FOR INTELLECTUAL PROPERTY**
(12)	**Patent**

(54) HOT PROCESSING OF POLYURETHANE CARPET BACKING SYSTEMS USING DUAL DELAYED ACTION CATALYST

Patent Period Started From 19/03/2007 and Will end on 18/03/2027

(57) A process for preparing polyurethane carpet backings uses a filled polyurethane-forming composition that contains a mixture of certain metal acetylacetonate and sulfur- containing originating catalysts. The mixture of catalysts is particularly beneficial in instances where the composition is processed at temperatures of above 30 to about 500C, as long pot life is provided together with a rapid thermally-induced cure.

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)**	**16/01/2011** **0101/2011** **April 2013** **19/08/2013** **26334**

(51)	**Int. Cl.[8] C05C 1/02 , C01C 1/18**
(71)	**1. HONEYWELL INTERNATIONAL INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. LEVY, Alan, B.** **2. KWEEDER, James, A.** **3. CARRAZZA, Jose** **4. KUNZ, Kenneth**
(73)	**1.** **2.**
(30)	**1. (US) 61/080,898 – 15/07/2008** **2. (US) 12/499,598 – 05/07/2009** **3. (PCT/US2009/049993) - 09/07/2009**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**WEAKLY OXIDIZING AMMONIUM NITRATE COMPOSITE MATERIALS AND METHODS FOR PREPARING SUCH COMPOSITIONS**
	Patent Period Started From 09/07/2009 and Will end on 08/07/2029

(57) A method forms a relatively stable ammonium nitrate composite material. The method includes (a) blending ammonium nitrate with an average particle diameter greater than about 1 mm and a substantially non-oxidizing compound in fine particle form; and (b) reducing the average size of said ammonium nitrate granules in the presence of the non-oxidizing compound in fine particle form to produce a substantially homogeneous blend of ammonium nitrate and the non-oxidizing compound having an average particle diameter of about 1 to about 1,000 m to form a substantially non-explosive powder.

Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office	EG	(22) 02/06/2011 (21) 0904/2011 (44) April 2013 (45) 19/08/2013 (11) 26335

(51)	Int. Cl. [8] F03G 7/00
(71)	1. OASYS WATER, INC. (UNITED STATES OF AMERICA) 2. 3.
(72)	1. MCGINNIS, Robert 2. MANDELL, Aaron 3.
(73)	1. 2.
(30)	1. (US) 61/119.544 – 03/12/2008 2. (PCT/US2009/066658) – 03/12/2009 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

(54) UTILITY SCALE OSMOTIC GRID STORAGE

Patent Period Started From 03/12/2009 and Will end on 02/12/2029

(57) Systems and methods for the storage of potential energy that may be readily converted to electrical power delivered to a customer or grid distribution are disclosed. This method may involve the use of salinity gradients, or as they may be also described, osmotic pressure gradients or differences between two solutions, to produce hydraulic pressure in a concentrated solution, allowing for the generation of power.

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)**	**16/06/2011** **1008/2011** **April 2013** **19/08/2013** **26336**

(51)	**Int. Cl.** [8] **A47B 47/04**	
(71)	**1. UNILIN, BVBA (BELGIUM)** **2.** **3.**	
(72)	**1. MAERTENS, Luc** **2. CAPPELLE, Mark** **3. VANHASTEL, Luc**	**4. DEMAN, Luc** **5. VAN HOOYDONCK, Guy**
(73)	**1.** **2.**	
(30)	**1. (BE) 2008/0677 – 17/12/2008** **2. (US) 61/175.596 – 05/05/2009** **3. (DE) 202009008825,1 – 26/06/2009** **4. (PCT/IB2009/054812) – 29/10/2009**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) COMPOSED ELEMENT, MULTI -LAYERED BOARD AND PANEL-SHAPED ELEMENT FOR FORMING THIS COMPOSED ELEMENT

Patent Period Started From 29/10/2009 and Will end on 28/10/2029

(57) Composed element comprising at least two panel-shaped elements, which each have an edge zone in which coupling means are present in the form of a profiled part respectively extending in the longitudinal direction of the respective edge zone, as well as each comprise an end face extending transversely to the respective edge zone, wherein said profiled parts allow coupling the panel-shaped elements together in an interlocking manner, characterized in that at least one of the panel-shaped elements comprises means which hide from view at least a portion of the profiled part formed at the pertaining edge zone at the location of the end face.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/08/2007** **PCT/NA2007/000875** **March 2013** **19/08/2013** **26337**

(51)	**Int. Cl.[8] E04B 1/00**
(71)	**1. FARAG AZIZ FARAG (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. FARAG, Aziz Farag** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 11/060705 – 18/02/2005** **2. (PCT/US 2006/002530) – 25/01/2006** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**SEISMIC SAFE AND FIRE RESISTANT RATED EDGE ATTACHED STOPLESS GLAZING**
	Patent Period Started From 25/01/2006 and Will end on 24/01/2026

(57) Forming a fenestration unit which may have seismic safe properties and/or fire resistance rated properties for use in buildings and other structures includes edge attaching a panel of any applicable material, in a continuous fashion, to a supporting mullion. The supporting mullion is attached to the panel by means of a bridging element that withstands tension stresses. Single or multiple insert parts may be attached to the bridging element and may be integrally embedded between multiple sheets composing the panel, or attached respectively in single or multiple grooves at the edge of the panel. The panel may be composed of multiple laminated sheets. A laminating interlayer between the sheets will hold the sheets together as one sheet. The interlayer can be a liquid that may cure to a rigid material. Alternatively, the interlayer may be provided between the multiple sheets and the assembly may be heated and pressed multiple times.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/07/2007** **PCT/NA2007/001492** **April 2013** **19/08/2013** **26338**

(51)	**Int. Cl.[8] C22B 34/12, C01G 23/00**
(71)	**1. PERUKE INVESTMENT HOLDINGS(PROPRIETARY)LIMITED (SOUTH AFRICA).** **2.** **3.**
(72)	**1. PRETORIUS, GERARD** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (ZA) 2005/0819 – 27/01/2005** **2. (PCT/IB 2005/054236) – 14/12/2005** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**A METHOD OF PRODUCING TITANIUM**
	Patent Period Started From 14/12/2005 and Will end on 13/12/2025

(57) A method of making titanium metal powder, the method including the step of reducing TIF_3 with aluminum to produce a reduction product comprising titanium metal powder and TIF_3

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/10/2009** **1460/2009** **May 2013** **19/08/2013** **26339**

(51)	**Int. Cl.** [8] **E02B 8/02**
(71)	**1. DETERING, MICHAEL (GERMANY)** **2.** **3.**
(72)	**1. DETERING, Michael** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102007016679.8 – 04/04/2007** **2. (PCT/EP 2008/002507) – 28/03/2008** **3.**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54)	**METHOD FOR TRANSPORTING SEDIMENTS IN DAMMED BODIES OF WATER**
	Patent Period Started From 28/03/2008 and Will end on 27/03/2028

(57) The invention relates a method for transporting sediments in dammed bodies of water, especially in hydraulic power plants, said sediments being deposited because there are no erosion processes as a result of the absence of a current. According to the invention, the sediment deposits are picked up in the sedimentation zone of the reservoir and are transported to the erosion zone near the discharge element/s of the reservoir such that the sediments are transported into current water by the erosion processes of the effluent water caused by the current.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/08/2009** **1249/2009** **March 2013** **19/08/2013** **26340**

(51)	**Int. Cl. [8] C02F 1/42**
(71)	**1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. TIANPING, huang** **2. JAMES B. Crews** **3. JOHN Robert Willingham**
(73)	**1.** **2.**
(30)	**1. (US) 12/195.995 – 21/08/2008** **2.** **3.**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54) METHODS FOR RECHARGING NANOPARTICLE-TREATED BEDS

Patent Period Started From 19/08/2009 and Will end on 18/08/2029

(57) Nanoparticle-treated particle packs, such as sand beds, may effectively filter and purify liquids such as waste water. Proppant beds treated with nanoparticles may fixate or reduce fines migration therethrough. When tiny contaminant particles or fines in these fluids flow through the nanoparticle-treated bed or pack, the nanoparticles will capture and hold the tiny contaminant or fines particles within the pack due to the nanoparticles' surface forces, including, but not necessarily limited to van der Waals and electrostatic forces. Nanoparticle-treated beds or packs may be recharged by contacting the bed with an inorganic acid (but not hydrofluoric acid) or an organic acid, and optionally followed by subsequent treatment with hydrofluoric acid. This treating substantially removes the nanoparticles and the fine particulates that have been removed from a fluid (e.g. wastewater being treated, produced fluids in a formation, etc.). The particle pack may then be re-treated or recharged with nanoparticles.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/03/2010** **0467/2010** **May 2013** **19/08/2013** **26341**

(51)	**Int. Cl. [8] B01D 47/00**
(71)	**1. MARATHON OIL COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. WAYCUILIS, John. J** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 11/904,307 – 25/09/2007** **2. (PCT/US 2008/077376) – 23/09/2008** **3.**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54) HYDRATE FORMATION FOR GAS SEPARATION OR TRANSPORT

Patent Period Started From 23/09/2008 and Will end on 22/09/2028

(57) A gas separation or gas transportation process forms a gas hydrate from an aqueous feed and a gas feed having a hydrate P-T stability envelope. While in the presence of the aqueous feed, the gas feed is initially pressurized to an operating pressure and cooled to an operating temperature which are inside the hydrate P-T stability envelope to form a gas hydrate from at least a portion of the gas feed and at least a portion of the aqueous feed. The resulting gas hydrate is readily separable from any remaining gas and stable for transport.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/11/2008** **1923/2008** **March 2013** **20/08/2013** **26342**

(51)	**Int. Cl. [8] B01D 39/16, 39/20**
(71)	**1. UNILEVER PLC (UNITED KINGDOM)** **2.** **3.**
(72)	**1. BANSODE, Sharadchandra, Govind** **2. GUPTA, Arunima** **3. SRIVASTAVA, Madalasa**
(73)	**1.** **2.**
(30)	**1. (IN) 988.MUM/2006 – 23/06/2006** **2. (PCT/EP 2007/055395) – 01/06/2007** **3.**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54) FILTER AND PROCESS TO PREPARE THE SAME

Patent Period Started From 01/06/2007 and Will end on 31/05/2027

(57) The present invention relates to filters, particularly for The present invention relates to filters, particularly for filtration of water under gravity and to a process for making such filters. The invention also relates to a gravity filtration device using the filter of the invention. It is thus an object of the present invention to provide for a moulded filter that is more reliable and is prone to fewer leaks as compared to similar types of prior art filters. A filter comprising a filter block comprising particulate filter media and polymeric binder having melt flow rate less than 5 grams/10 minutes; and an end plate integrally moulded to said filter block, said end plate having a port for passage of liquid and made of a polymer having a melt flow rate less than 5 grams/10 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)**	**31/07/2008** **1306/2008** **March 2013** **20/08/2013** **26343**

(51)	**Int. Cl.** [8] **A01N 25/02 , 27/00 & A01P 21/00**
(71)	**1. ROHM AND HAAS COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. KOSTANSEK , Edward Charles** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/963.297 – 03/08/2007** **2.** **3.**
(74)	**MOHAMED MOHAMED BAKEER**
(12)	**Patent**

(54) OIL FORMULATION COMPRISE CYCLOPROPENE FOR PLANT TREATMENT

Patent Period Started From 31/07/2008 and Will end on 30/07/2028

(57) There is provided a composition comprising an oil medium, wherein particles are suspended in said oil medium, wherein said particles comprise cyclopropene and molecular encapsulating agent, and wherein said particles have median size , as measured by the largest dimension of 50 micrometer or less . Also provided are a method of making such a composition and a method of making such composition and a method of treating plants by contact with such a 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)**	**17/05/2011** **0774/2011** **April 2013** **20/08/2013** **26344**

(51)	**Int. Cl.** [8] **B22D 41/50**
(71)	**1. VESUVIUS GROUP S.A. (BELGIUM)** **2.** **3.**
(72)	**1. BOISDEQUIN, Vincent** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 08169505.8 – 20/11/2008** **2. (PCT/EP 2009/008254) – 19/11/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**TRANSPORT AND STORAGE DEVICE FOR LADLE PIPE FOR TRANSFERRING LIQUID METAL**
	Patent Period Started From 19/11/2009 and Will end on 18/11/2029

(57) The invention relates to a device for transporting and storing at least one ladle pipe for a liquid metal casting plant, wherein said ladle pipe comprises a channel for the liquid metal flow and extends substantially along an axis. The device also includes a rack adapted for storing the ladle pipe in a position of use in which the channel axis is vertical, the rack providing an access from the outside towards a side surface of the pipe when the latter is in the position of use.

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)**	**02/06/2010** **0930/2010** **April 2013** **20/08/2013** **26345**

(51)	**Int. Cl.[8] C10B 33/10**
(71)	**1. THYSSENKRUPP UHDE GMBH (GERMANY)** **2.** **3.**
(72)	**1. KIM, Ronald** **2. SCHUECKER, Franz-Josef** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102007058472 – 04/12/2007** **2. (PCT/EP 2008/009964) – 25/11/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**DEVICE FOR EXPELLING THE CONTENTS OF COKE CHAMBER OVENS HAVING A LOW DEGREE OF HEAT EXCHANGE**
	Patent Period Started From 25/11/2008 and Will end on 24/11/2028

(57) The invention relates to a device for expelling the contents of a coke oven chamber, comprising a pressure head with pressure rods mounted there behind, wherein guide plates or skirts are mounted on the rear of the pressure head that prevent air from leaking into the coke chamber oven, thus preventing undesired cooling of the coke chamber oven during the expulsion. The skirts also prevent excessive thermal load on the pressure rods and the reverse side of the pressure head. The skirts may also serve to protect measurement devices mounted in the housing. The skirts may also be made of a heat-resistant metal or ceramic material. The skirts or the pressure head may also be provided with a heat-resistant or heat-reflective coating or with heat-resistant or heat-reflective tiles. The invention further relates to a method for ejecting the contents of coke chamber ovens using the device according to the invention.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/09/2011** **1537/2011** **April 2013** **20/08/2013** **26346**

(51)	**Int. Cl.** [8] **F04B 49/06 & H02P 27/06**	
(71)	**1. UNICO, INC. (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. BECK, Thomas L.** **2. DRY, Michael D.** **3. GARLOW, Mark E.**	**4. LUCAS, Michael O.** **5. MACDONALD, Michael A.** **6. PETERSON, Ronald G.**
(73)	**1.** **2.**	
(30)	**1. (US) 61/160.498 – 16/03/2009** **2. (US) 12/724.120 – 15/03/2010** **3. (PCT/US 2010/027494) – 16/03/2010**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) INDUCTION MOTOR TORQUE CONTROL IN A PUMPING SYSTEM

Patent Period Started From 16/03/2010 and Will end on 15/03/2030

(57) A system and method are provided for controlling the speed of a motor driving a load that is electrically connected to a generator driven by an engine, through use of a first control feedback loop configured to control the rotor flux of the motor by controlling the field excitation of the generator, and a second control feedback loop configured to control the speed of the motor by controlling the throttle position of the engine.

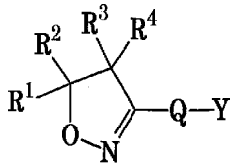
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/09/2009** **1371/2009** **April 2013** **20/08/2013** **26347**

(51)	**Int. Cl. [8] A01N 43/80, 43/54, 25/12, 47/30, 25/14, 47/36, 33/18 & A01P 13/00**	
(71)	**1. KUMIAI CHEMICAL INDUSTRY CO., LTD. (JAPAN)** **2.** **3.**	
(72)	**1. OHNO, Shuji** **2. FUJINAMI, Makoto** **3. YAMAJI, Yoshihiro**	**4. HANAI, Ryo** **5. IKEUCHI, Toshihiro**
(73)	**1.** **2.**	
(30)	**1. (JP) 2007-0678740 – 16/03/2007** **2. (PCT/JP 2008/000505) – 10/03/2008** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) HERBICIDE COMPOSITION

Patent Period Started From 10/03/2008 and Will end on 09/03/2028

(57) PROBLEMS] To provide a herbicide composition which is highly safe to useful crops and can exert a controlling effect on various weeds causing troubles in paddy fields, upland fields, non-crop land and so on over a wide range from pre-budding stage to the growing stage. [MEANS FOR SOLVING PROBLEMS] A herbicide composition characterized by containing:[component A] one or more compounds selected from the group consisting of specific isooxazoline derivatives represented by the general formula [I] (wherein R1 to R4 represent each a hydrogen atom, an alkyl group, etc.; and Q represents -S(O)n-(CR5R6)m-, wherein n is an integer of 0 to 2, m is an integer of 1 to 3, and R5 and R6 represents each an alkyl group, etc.) and salts thereof; and [component B] a cyclohexanedione compound, a phenylpyrazoline compound or a sulfonyl aminocarbonyl triazine compound; as the active ingredients. [Chemical formula 1] [I]-



[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)**	**05/08/2010** **1320/2010** **April 2013** **20/08/2013** **26348**

(51)	**Int. Cl. [8] B01J 19/24 , C10G 2/00**
(71)	**1. COMPACTGTL LTD (UNITED KINGDOM)** **2.** **3.**
(72)	**1. BOWE , MICHAEL** **2. LEE – TUFFNELL , CLIVE** **3. PEAT , ROBERT**
(73)	**1.** **2.**
(30)	**1. (GB) 0802726.0 – 14/02/2007** **2. (GB) 0820281.4 – 06/11/2008** **3. (PCT/GB 2009/050129) – 10/02/2009**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**CATALYTIC REACTION MODULE**
	Patent Period Started From 10/02/2009 and Will end on 09/02/2029

(57) A catalytic reaction module for performing an endothermic reaction such as steam methane reforming, includes separate reactor blocks, each reactor block defining a multiplicity of first and second flow channels arranged alternately within the block to ensure thermal contact between the first and second flow channels. The reactor blocks may be arranged and connected for series flow of a combustible gas mixture in the first flow channels and also of a gas mixture to undergo the endothermic reaction in the second flow channels. This enables the combustion process to be carried out in stages, with the option of cooling the combustion gases between stages, and introducing additional fuel and additional air.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/09/2010** **1515/2010** **March 2013** **21/08/2013** **26349**

(51)	**Int. Cl. [8] B26B 21/22, 21/40**	
(71)	**1. THE GILLETTE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. WALKER, Vincent, Paul, Jr.** **2. WAIN, Kevin, James** **3. LEE, Alejandro, Carlos**	**4. FORSDIKE, Edward, Neill** **5. CATAUDELLA, Matthew, Corey**
(73)	**1.** **2.**	
(30)	**1. (US) 61/095,840 – 10/09/2008** **2. (PCT/US 2009/056189) – 08/09/2009** **3.**	
(74)		
(12)	**Patent**	

(54) SHAVING RAZORS AND CARTRIDGES

Patent Period Started From 08/09/2009 end on 07/09/2029

(57) A shaving razor with a handle and a housing mounted to the handle. The housing has a proximal end portion, a distal end portion, and at least one blade having a cutting edge. The blade is mounted to the housing with a blade support structure. A guard is at the distal end portion of the housing and has a plurality of projections substantially perpendicular to the blade that define a plurality of slots. A washout cavity beneath the blade is defined by an inner surface of the guard and an inner surface of the blade support structure. The washout cavity has an open area of at least 80 percent for allowing unobstructed passage of water substantially along an entire length of the blade.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/06/2011** **1022/2011** **May 2013** **26/08/2013** **26350**

(51)	**Int. Cl.** [8] **B07C 5/342, 5/36**
(71)	**1. OMYA DEVELOPMENT AG (SWITZERLAND)** **2.** **3.**
(72)	**1. TAVAKKOLI, Bahman** **2. MANGELBERGER, Thomas** **3. REISINGER, Matthias**
(73)	**1.** **2.**
(30)	**1. (EP) 08172445,2 – 19/12/2008** **2. (US) 61/205,207- 16/01/2009** **3. (US) (PCT/EP2009/067319) – 16/12/2009**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD FOR SEPARATING MINERAL IMPURITIES FROM CALCIUM CARBONATE-CONTAINING ROCKS BY X-RAY SORTING

Patent Period Started From 16/12/2009 and Will end on 15/12/2029

(57) The present invention relates to a method for separating mineral impurities from calcium carbonate-containing rocks by comminuting the calcium carbonate-containing rocks to a particle size in the range of from 1 mm to 250 mm, separating the calcium carbonate particles by means of a dual energy X-ray transmission sorting 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)**	**06/05/2007** **PCT/NA2007/000456** **May 2013** **26/08/2013** **26351**

(51)	**Int. Cl.** [8] **C08F 10/02, 4/02, 4/69**
(71)	**1. CHEVRON PHILLIPS CHEMICAL COMPANY, L. P. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MCDANIEI, Max, P.** **2. BENHAM, Elizabeth, A.** **3. JENSEN, Michael, D.** **4. COLLINS, Kathy, S.** **5. MARTIN, Joel, I.** **6. HAWLEY, GU, R.**
(73)	**1.** **2.**
(30)	**1. (PCT/US 2004/036650) – 04/11/2004** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) ORGANOCHROMIUM/ METALLOCENE COMBINATION CATALYST FOR PRODUCING BIMODAL RESINS

Patent Period Started From 04/11/2004 and Will end on 03/11/2024

(57) This invention relates to the field of olefin polymerization catalyst compositions, and methods for the polymerization and copolymerization of olefins, including polymerization methods using a supported catalyst composition. In one aspect, the present invention encompasses a catalyst comprising the contact product of at least one metallocene compound, at least one organochromium compound, at least one chemically-treated solid oxide, and at least one organoaluminium compound .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/06/2009** **0958/2009** **March 2013** **26/08/2013** **26352**

(51)	**Int. Cl.[8] G06K 19/077**
(71)	**1. SMARTRAC IP B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. RIETZLER, Manfred** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 11/867.804 – 05/10/2007** **2. (PCT/US 2008/007049) – 28/08/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) TRANSPONDER INLAY FOR A PERSONAL DOCUMENT AND METHOD FOR THE PRODUCTION THEREOF

Patent Period Started From 28/08/2008 and Will end on 27/08/2028

(57) The invention relates to a transponder inlay for the production of a layer structure for a personal document having a substrate layer for disposing a transponder unit comprising an antenna coil and a chip module, said transponder unit being located on a contact surface of the substrate layer, wherein the chip module is accommodated in a window opening formed in the substrate layer such that a chip carrier of the chip module rests on a compressed edge section of the window opening. The invention further relates to a method for producing the transponder inlays. The invention additionally relates to a layer structure for a personal document provided with such a transponder inlay and a passport document comprising such a layer structure.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/07/2011** **1211/2011** **May 2013** **26/08/2013** **26353**

(51)	**Int. Cl.[8] F24J 2/38**
(71)	**1. OOSTING, KENNETH (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. OOSTING, Kenneth** **2.** **3.**
(73)	**1. INSPIRED SURGICAL TECHNOLOGIES, INC. (UNITED STATES OF AMERICA)** **2.**
(30)	**1. (US) 61/146/508 – 22/01/2009** **2. (US) 61/171,263 – 21/04/2009** **3. (US) 61/254,963 – 21/04/2009** **4. (PCT/US 2010/021708) – 22/01/2010**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**ACTUATED FEEDFORWARD CONTROLLED SOLAR TRACKING SYSTEM**
	Patent Period Started From 22/01/2010 and Will end on 21/01/2030

(57) An actuated feedforward controlled solar tracker system including a sub-frame supporting at least one solar panel, a post supporting the sub-frame, and a linking mechanism connecting the sub-frame and post, where the linking mechanism includes a first axle, second axle and body member. The linking mechanism's first and second axles are disposed orthogonal to each other and are separated by the body member. The system includes at least two linear actuators, a rotational joint connecting the linear actuators and sub-frame, and a driver system that drives the actuators. Additionally, the system includes a feedforward control system including a computer that calculates desired positions of the linear actuators using multiple inputs and communicates with the driver system to drive the linear actuators, and a feedback control system that relays information gathered by sensor devices to the feedforward control system, where the feedforward and feedback control systems function in an integrated manner.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/01/2011** **0015/2011** **May 2013** **26/08/2013** **26354**

(51)	**Int. Cl. [8] B01J 8/02**
(71)	**1. AMMONIA CASALE S.A. (SWITZERLAND)** **2.** **3.**
(72)	**1. ZANICHELLI, Luca** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 08012085.0 – 04/07/2008** **2. (PCT/US 2009/057472) – 16/06/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**A PROCESS AND A REACTOR FOR OXIDATION OF A HYDROCARBON**
	Patent Period Started From 16/06/2009 and Will end on 15/06/2029

(57) A process and related reactor for oxidation of a hydrocarbon feedstock are disclosed, the reactor comprising a vessel and a neck with an axial burner and a tangential gas inlet, wherein the neck has a swirling chamber located below said burner and connected to said gas inlet, to produce a gas vortex which optimizes the mixing between the gas stream and the oxidizer in said neck. Preferably the swirling chamber has an internal surface with a log-spiral profile.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/01/2011** **0070/2011** **May 2013** **26/08/2013** **26355**

(51)	**Int. Cl. [8] B01D 46/10 & F24F 13/28**
(71)	**1. HUNTAIR INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. CURSETJEE, Zareer** **2. BAUGH, David, L.** **3. BENSON, David, E.**
(73)	**1.** **2.**
(30)	**1. (US) 12/719.607 – 08/03/2010** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHODS AND SYSTEMS FOR INTEGRATING SOUND ATTENUATION INTO A FILTER BANK

Patent Period Started From 10/01/2011 and Will end on 09/01/2031

(57) A filter bank is provided. The filter bank includes a housing having a front face and a back face. Air flows along an air flow path from the front face to the back face. A filter layer is held in the housing. The filter layer is oriented between the front and back faces such that air flows through the filter layer before discharging from the back face. An attenuation layer is positioned within the housing to attenuate sound as the sound propagates between the front and back faces. The attenuation layer is oriented to extend along the air flow direction.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/02/2011** **0286/2011** **May 2013** **26/08/2013** **26356**

(51)	**Int. Cl. [8] F03B 13/18 & F16J 15/56**
(71)	**1. SEABASED AB (SWEDEN)** **2.** **3.**
(72)	**1. STRÖMSTEDT, Erland** **2. GUSTAFSSON, Stefan** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/SE 2008/050963) – 26/08/2008** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) A WAVE-POWER UNIT

Patent Period Started From 26/08/2008 and Will end on 25/08/2028

(57) The invention relates to a wave-power unit for the production of electric power. It comprises a floating body arranged for floating on the sea and an electric linear generator having a stator and a translator reciprocating along a center axis. The stator is arranged to be anchored in the bed of the sea and the translator is connected to the floating body by connection means. According to the invention the generator is enclosed in a water-tight encapsulation having an upper end wall with an opening through which the connection means extends. The opening has a seal that seals against the connection means. The seal is flexibly mounted. The invention also relates to the use of the wave-power unit and to a method for producing electric power.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/04/2011** **0570/2011** **April 2013** **26/08/2013** **26357**

(51)	**Int. Cl. [8] B05B 7/04 & B01J 2/16**
(71)	**1. UREA CASALE S.A. (SWITZERLAND)** **2.** **3.**
(72)	**1. BEDETTI, Gianfranco** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 08018123.3 – 16/10/2008** **2. (PCT/EP 2009/061590) – 08/09/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) SPRAYING METHOD AND NOZZLE FOR ATOMIZATION OF A LIQUID

Patent Period Started From 08/09/2009 and Will end on 07/09/2029

(57) A method for atomizing a liquid in a spraying nozzle, wherein a gaseous phase and said liquid are fed to a mixing chamber inside said nozzle, obtaining an emulsion of the gas in the liquid, the emulsion being under pressure inside said chamber and formed by gas bubbles enveloped by the liquid in a film state; the speed of the gaseous phase at the inlet of the mixing chamber is around the speed of sound or greater, and the atomized liquid is obtained by an expansion of said emulsion at the outlet of said chamber. A suitable nozzle is also disclosed, comprising a mixing chamber and a distribution device adapted to provide appropriate gas and liquid feed to form said emulsion.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/12/2009** **1916/2009** **April 2013** **26/08/2013** **26358**

(51)	**Int. Cl. [8] C10L 3/10 & B01D 53/24**
(71)	**1. TWISTER B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. BETTING, Marco** **2. TJEENK WILLINK, Cornelis Antonie** **3. VAN BAKEL, Robert Petrus**
(73)	**1.** **2.**
(30)	**1. (EP) 07111145.4 – 27/06/2007** **2. (PCT/EP 2007/050424) – 27/06/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHOD AND SYSTEM FOR REMOVING H2S FROM A NATURAL GAS STREAM**
	Patent Period Started From 27/06/2008 and Will end on 26/06/2028

(57) A method for removing hydrogen sulphide from a natural gas stream comprising methane (CH_4) and H2S comprises: - cooling the natural gas stream in a heat exchanger assembly - feeding at least part of the cooled natural gas stream through a feed conduit into a cyclonic expansion and separation device in which the cooled natural gas stream is expanded in a nozzle and thereby further cooled to a temperature and pressure below the dew point of H2S and is separated by inducing the cooled natural gas stream to swirl in a tubular separation chamber thereby inducing centrifugal forces to separate the cooled natural gas stream into a cooled low density fluid fraction which is depleted and methane enriched and a cooled high density fluid fraction, which is enriched and methane depleted- feeding the cooled low density fluid fraction to a product gas conduit which is connected to the heat exchanger assembly for cooling the natural gas stream fed to the cyclonic expansion and separation device and - feeding the cooled high density fluid fraction to a fractionating column for further separation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/03/2007** **PCT/NA2007/000326** **April 2013** **26/08/2013** **26359**

(51)	**Int. Cl. [8] E21B 43/267**
(71)	**1. HEXION SPECIALTY CHEMICALS INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MCCARTHY, Scott, Michael** **2. MCDANIEL, Robert, R.** **3. SHERIFF, Michael, L.** **4. FLOWERS, James**
(73)	**1.** **2.**
(30)	**1. (US) 60/615.835 – 04/10/2004** **2. (US) 60/643.850 – 14/01/2005** **3. (PCT/EP 2005/035685) – 04/10/2005**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD OF ESTIMATING FRACTURE GEOMETRY COMPOSITIONS AND ARTICLES USED FOR THE SAME

Patent Period Started From 04/10/2005 and Will end on 03/10/2025

(57) Disclosed herein is a method of determining the fracture geometry of a subterranean fracture comprising introducing into the fracture a target particle and/or proppant; transmitting into the fracture electromagnetic radiation having a frequency of about 300 megahertz to about 100 gigahertz; and analyzing a reflected signal from the target particle to determine fracture geometry. Disclosed herein too is a method of determining the fracture geometry of a subterranean fracture comprising introducing into the fracture a target particle and/or proppant; wherein the target particle and/or proppant comprises a high dielectric constant ceramic having a dielectric constant of greater than or equal to about 2; transmitting into the fracture electromagnetic radiation having a frequency of less than or equal to about 3 gigahertz; and analyzing a reflected signal from the target particle and/or proppant to determine fracture geometry.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/08/2003** **0772/2003** **April 2013** **26/08/2013** **26360**

(51)	**Int. Cl. [8] C07C 2/62**
(71)	**1. CATALYTIC DISTILLATION TECHNOLOGIES (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. SMITH, Lawrence, A., Jr.** **2. CROSS, William, M.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 10/223192 – 19/08/2002** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**A METHOD OF OPERATING A MULTI PHASE REACTOR USING PULSE FLOW**
	Patent Period Started From 09/08/2003 and Will end on 08/08/2023

(57) A method of operating a multi-phase downflow reactor so as to induce a pulsing flow regime is disclosed. The pulse may be induced by increasing the gas rate while maintaining the liquid rate until a pressure drop sufficient to induce the pulse flow is achieved. The method is particularly useful in the sulfuric acid catalyzed alkylation of olefins in a reactor packed with a stainless steel/polypropylene mesh.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/02/2009** **0233/2009** **April 2013** **28/08/2013** **26361**

(51)	**Int. Cl.** [8] **A23L 1/01 , 1/212 , 3/34 &C07C 33/02/ , 57/03 , 59/52 , 63/06 , 65/05**
(71)	**1. DR. FAROUK GUINDI MOAWAD (EGYPT)** **2. DR. MAGDY FOUAD TAWFEIK OSMAN (EGYPT)** **3.**
(72)	**1. DR. FAROUK GUINDI MOAWAD** **2. DR. MAGDY FOUAD TAWFEIK OSMAN** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**ANTIOXIDANT FOR VEGETABLE OILS**
	Patent Period Started From 18/02/2009 and Will end on 17/02/2029

(57) It is evident that, 2,5-DHBA in corn oil at 100 and more over at 180 is the most protective antioxidant among the others high protective TBH BHT & BHA. Since 2,5-DHBA could be enhance the oxidative stability of corn oil at 100 (using Rancimat instrument) from 13h to 30h. Regarding the other common synthetic antioxidants, BHT exhibited weak potency while BHA had virtually no antioxidant activity in corn oil at 100. Moreover, -tocopherol showed prooxidant activity at this temperature. It also owns a natural origin in addition to its high safety compared to other potent antioxidants which are prepared synthetically and have high toxicity. However, 2,5-DHBA as a natural compound existed with other phenolic acids and widely distributed in several plants such as grape and strawberry.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/05/2009** **0799/2009** **May 2013** **29/08/2013** **26362**

(51)	**Int. Cl. [8] B01J 27/045 & C25B 11/04**
(71)	**1. INDUSTRIE DE NORA S.P.A (ITALY)** **2.** **3.**
(72)	**1. GULLA, Andrea F.** **2. ALLEN, Robert. J.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 08/861.635 – 29/11/2006** **2. (PCT/EP 2007/062942) – 28/11/2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) CARBON-SUPPORTED METAL SULPHIDE CATALYST FOR ELECTROCHEMICAL OXYGEN REDUCTION

Patent Period Started From 28/11/2007 and Will end on 27/11/2027

(57) The invention relates to an improved carbon supported-noble metal sulphide electrocatalyst suitable for being incorporated in gas-diffusion electrode structures, in particular in oxygen-reducing gas-diffusion cathodes for aqueous hydrochloric acid electrolysis. The noble metal sulphide particles are monodispersed on the active carbon particles and the surface area ratio of noble metal sulphide particles to active carbon particles is at least 0.20

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GRANTED PATENTS' ABSTRACTS GAZETTE

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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

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Inventor Name	72
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Patent Attorney Name	74

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ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

ABSTRACTS
FOR
GRANTED PATENTS
September (2013)

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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)**	**14/12/2010** **2116/2010** **April 2013** **01/09/2013** **26363**

(51)	**Int. Cl.** [8] **F17D 5/00**
(71)	**1. BP CORPORATION NORTH AMERICA INC. (UNITED STATES OF AMERICA)** **2. BP EXPLORATION OPERATING COMPANY LIMITED (UNITED KINGDOM)** **3.**
(72)	**1. ZIEGEL, Eric** **2. BAILEY, Richard, S.** **3. SPRAGUE, Kip, P.**
(73)	**1.** **2.**
(30)	**1. (US) 12/164,971 – 30/06/2008** **2. (PCT/US2009/048441) – 24/06/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**RAPID DATA-BASED DATA ADEQUACY PROCEDURE FOR PIPEPLINE INTEGRITY ASSESSMENT**
	Patent Period Started From 24/06/2009 and Will end on 23/06/2029

(57) A method and system for evaluating the sample coverage of ultrasonic or radiography (UT/RT) measurements of pipeline wall thickness for statistical validity. A data library contains distributions of in-line inspection (ILI) measurements for other pipelines, calibrated to correspond to UT/RT measurements as needed. The data library for these ILI-measured pipelines also includes statistics generated from Monte Carlo simulation, by way of which various sample coverage levels sample the ILI measurements, for determining whether a measurement exceeds a given threshold or meets another premise related to determining the extreme wall loss measurement for the pipeline. A pipeline with sampled UT/RT measurements is used to identify one or more ILI-measured pipeline datasets that are most similar, and the statistics from those most similar pipeline datasets determine whether the sample coverage of the UT/RT measurements is sufficient to draw conclusions about the extreme value of wall loss in the sampled pipeline.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/07/2011** **1166/2011** **April 2013** **01/09/2013** **26364**

(51)	**Int. Cl. [8] F16D 3/12**	
(71)	**1. BP CORPORATION NORTH AMERICA INC. (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. HERNANDEZ, Sandra** **2. ZHANG, Ziru** **3. WOOLLAM, Richard**	**4. VERA, Jose** **5. DURNIE, Will**
(73)	**1.** **2.**	
(30)	**1. (US) 61/145,645 – 19/01/2009** **2. (PCT/US2010/021322) – 18/01/2010** **3.**	
(74)	**ABDEL HADI FOR INTELLECTUAL PROPERTY**	
(12)	**Patent**	

(54) METHOD AND SYSTEM FOR PREDICTING CORROSION RATES USING MECHANISTIC MODELS

Patent Period Started From 18/01/2010 and Will end on 17/01/2030

(57) A computer system and method for predicting the aqueous phase CO_2 corrosion rate of a pipe useful in the production and transportation of oil and gas. Input parameter values corresponding to water chemistry and physical fluid and pipe properties are received. Based on these input parameter values, the system and method derive current-voltage relationships for multiple cathodic reduction reactions according to an electrochemical model of the corrosion reaction, and a current-voltage relationship for the anodic oxidation reaction of iron dissolution. A current density is obtained, at the intersection of an extrapolation of the anodic current-voltage relationship and an extrapolation of the summed cathodic current-voltage relationships. The predicted corrosion rate is then calculated from the obtained current density. The effects of secondary parameters such as scale and flow regime, and the efficacy of a corrosion inhibitor, can also be evaluated.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/05/2009** **0760/2009** **May 2013** **02/09/2013** **26365**

(51)	**Int. Cl.** [8] **C09K 3/00**
(71)	**1. NATIONAL RESEARCH CENTRE (EGYPT)** **2.** **3.**
(72)	**1. DR. NOURELHODA ABBAS MOHAMMED IBRAHIM ABDELWAHAB** **2. DR. MOHAMMED AHMED ABD EL-GHAFFAR** **3. DR. AHMED MOHAMOUD AHMED GHONEIM**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT (NATIONAL RESEARCH CENTRE)**
(12)	**Patent**

(54)	**METHOD OF PREPARATION OF RESOLE/ POLYANILINE HYDROCHLORIDE BLEND AS GIGHLY EFFICIENT ADHESIVE**
	Patent Period Started From 25/05/2009 and Will end on 24/05/2029

(57) It was found that the recently discovered electrically conducting polymers behaves as metals, among these polymers, polyaniline and its different derivatives and also some other polymers as polythiophene, polypyrrole and polyfuran. This leads to preparation of different kinds of these polymers for various applications, as example, corrosion inhibitors for metals, antioxidants for rubber vulcanizates and other applications. This invention aims to prepare polyaniline hydrochloride for a new application, curing agent, accelerator and filler for phenol formaldehyde resin (resole). Polyaniline hydrochloride was examined as curing agent and accelerator for resole, so, different ratios of polyaniline hydrochloride (prepared by chemical oxidation of aniline hydrochloride monomer) was mixed with resole in comparison with ammonium chloride (curing agent and accelerator used in industry) and it was found that the curing time was decreased and the adhesive strength was increased. Also, polyaniline hydrochloride was examined as filler for resole in comparison with wood powder (commercial filler). It was observed that the adhesive strength increased and the curing time decreased. The prepared polymers and their blend were characterized by physico-mechanical , spectroscopic, thermal and electrical measurements. Polyaniline hydrochloride acts as curing agent, accelerator and filler in the same time for phenol formaldehyde resin (resole).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/05/2010** **0810/2010** **April 2013** **02/09/2013** **26366**

(51)	**Int. Cl.[8] A61K 6/04 & C22C 14/00 , 21/00 , 27/02 & C23C 22/68 , 22/66 , 22/07**
(71)	**1. NATIONAL RESEARCH CENTRE (EGYPT)** **2.** **3.**
(72)	**1. PROF. WAFA ISMAIL ABDEL-FATTAH** **2. DR. HABIL ADELE CARRADO CARRADO** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT (NATIONAL RESEARCH CENTRE)**
(12)	**Patent**

(54) METHOD FOR COATING MEDICAL METALLIC ALLOYS BY AUTOCATALYTIC BIOSIMULATED METHOD

Patent Period Started From 17/05/2010 and Will end on 16/05/2030

(57) The present work aims to develop biologically active layer on biomedical alloy by using Autocatalytic method which is electroless and based on redox reaction having several advantages of controlled conditions ,application to complicated shapes ,without adverse effect of heating besides being cost effectiveness. Titanium and its alloys are widely used as orthopaedic and dental implants. However, because of their poor surface biocompatibility, the surface of titanium and its alloys has to be modified to improve the surface osteoinductivity . Many research focused on the surface modification of Ti and Ti alloys by using hydroxyapatite (HA) coating through various expensive techniques as laser ablation and others . Autocatalytic technique was previously applied for polymeric materials but non for metallic surfaces. The Biomimetic coating process is one of the most promising techniques for producing a bone-like HA apatite layer on different substrates .The biomimetic process imitates the mode in which bone-like hydroxyapatite crystals form in situ in a simulated body (SBF). Phosphate coating allows direct bone formation on alloy surface by attachment, proliferation and differentiation of bone forming cells due to its similar chemical composition , crystallographic structure and configuration to that of bone mineral. The procedure followed three baths with different pH values , time and temperatures .This was followed by the biomimetic coating process to assure the feasibility of the selected bath on the bases of surface analyses applying FT-IR and Scanning electron microscopy .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/04/2004** **0181/2004** **March 2013** **04/09/2013** **26367**

(51)	**Int. Cl. [8] A61N 1/28**
(71)	**1. DR. ALI MAHMOUD M. MOSTAFA EL SAMAN (EGYPT)** **2.** **3.**
(72)	**1. DR. ALI MAHMOUD M. MOSTAFA EL SAMAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT (NATIONAL RESEARCH CENTRE)**
(12)	**Patent**

(54)	**ENDOMETRIAL ELECTRICAL COAGULATOR UNDER TACTILE SENSE**
	Patent Period Started From 20/04/2004 and Will end on 19/04/2024
(57)	Tactile electrocoagulation ablator (Tea) Instrument description• The instrument is made of metal probe (4.5 mm in diameter & 28 cm in length)• The whole length is insulated except 2/3 of the active end (ball like 5mm in diameter) & the male end jack to be connected with a female type connection of diathermy• The instrument is divided into 8 portions, the 1st is active end, the 2nd is the shaft 17.8 cm curved near the active end 15 degree, the 3rd is direction piece, the 4th is the handle 10 cm length 1.3 cm in diameter, made of wood, the 5th is on/off key the 7th male end jack made by reducing the diameter of the metal probe to fit in the 8th portion (female connection to the diathermy unit).• Intended use:The interment is designed for introducing diathermy power into the uterine cavity for the purpose of treating dysfunctional uterine bleeding (doing electrocoagulation endometrial ablation) guided by the tactile sense of the gynecologist (as doing complete blunt curettage of endometrium)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	E G ع.م.ع	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/12/2008** **2036/2008** **April 2013** **04/09/2013** **26368**

(51)	**Int. Cl. [8] C25C 1/12**
(71)	**1. DR. ENG. ASHOUR ABDEL MAGEED ALI OWAIS (EGYPT)** **2.** **3.**
(72)	**1. DR. ENG. ASHOUR ABDEL MAGEED ALI OWAIS** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) DIRECT ELECTROREFINING OF COPPER SCRAP TURNINGS FOR PRODUCTION OF ELECTROLYTIC COPPER POWDER

Patent Period Started From 18/12/2008 and Will end on 17/12/2028

(57) Direct electrolytic refining of copper scrap turnings and milling to produce electrolytic copper powder using a static bed electrolysis technique is the main aim of this patent. The process occurred without application of the intermediate pyrometallurgical step (fire refining step) to produce the conventional copper anodes or anode particulates. To attain this aim, titanium anode basket with Ti-mesh was used to hold and conduct electricity to the anode turnings or milling particles manufactured from brass, bronze turnings and conventional copper anode milling. Pure aluminum sheets were used to act as starting cathodes. A pure electrolytic copper powder (instead of powders obtained from bronze turnings which have 2.68% Sn) with a fine particle size was obtained as indicated from EDX analyses and SEM photomicrographs. The process was successfully operated with a cathodic current efficiency of 66.64% to 115.33% and electrical energy consumption of 0.591 to 1.227 kWh/kg Cu depending on the material and type of the anode turnings.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/12/2007** **PCT/NA2007/001427** **June 2013** **04/09/2013** **26369**

(51)	**Int. Cl. [8] A61F 13/15, 13/494**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATAES OF AMERICE)** **2.** **3.**
(72)	**1. LAVON, Gary, Dean** **2. SMITH, Kevin, Michael** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 11/158.563 – 22/06/2005** **2. (PCT/IB2006/052020) – 21/06/2006** **3.**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54)	**DISPOSABLE ABSORBENT ARTICLE HAVING DUAL LAYER BARRIER CUFF STRIPS**
	Patent Period Started From 21/06/2006 and Will end on 20/06/2026

(57) A disposable absorbent article includes two laterally opposing longitudinally extending barrier cuff strips attached to an absorbent assembly in laterally opposing attachment zones. Each barrier cuff strip includes an upper layer and a lower layer at least between its proximal edge and the attachment zones. A longitudinally extending elastic gathering member is attached to each barrier cuff strip adjacent to its proximal edge. When the article is worn, the elastic gathering members contract and raise the barrier cuff strips to form side barriers. The absorbent assembly includes an absorbent core that may contain superabsorbent particles, which may be contained inside pockets. A portion of the absorbent assembly such as the portion that lies between the barrier cuff strip attachment zones may be extensible and may include a water-impermeable layer. The laterally opposing attachment zones may act as dams preventing a lateral flow of liquid bodily waste.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/02/2010** **0299/2010** **June 2013** **08/09/2013** **26370**

(51)	**Int. Cl. [8] F25J 1/00**
(71)	**1. LUMMUS TECHNOLOGY INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MICHAEL MALSAM** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/397837 – 04/03/2009** **2.** **3.**
(74)	**NAZEH A. SADEK**
(12)	**Patent**

(54)	**NITROGEN REMOVAL WITH ISO-PRESSURE OPEN REFRIGERATION NATURAL GAS LIQUIDS RECOVERY**
	Patent Period Started From 23/02/2010 and Will end on 22/02/2030

(57) A process for recovery of natural gas liquids is disclosed, the process including: fractionating a gas stream comprising nitrogen, methane, ethane, and propane and other C3+ hydrocarbons into at least two fractions including a light fraction comprising nitrogen, methane, ethane, and propane, and a heavy fraction comprising propane and other C3+ hydrocarbons; separating the light fraction into at least two fractions including a nitrogen enriched fraction and a nitrogen depleted fraction in a first separator; separating the nitrogen depleted fraction into a propane enriched fraction and a propane depleted fraction in a second separator; feeding at least a portion of the propane enriched fraction to the fractionating as a reflux; recycling at least a portion of the propane depleted fraction to the first separator. In some embodiments, the nitrogen enriched fraction may be separated in a nitrogen removal unit to produce a nitrogen depleted natural gas stream and a nitrogen enriched natural gas 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)**	**14/06/2007** **PCT/NA2007/000599** **October 2013** **08/09/2013** **26371**

(51)	**Int. Cl.[8] E21B 23/01 , 43/16**
(71)	**1. BJ SERVICES COMPANY U.S.A. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. THOMAS G. Hill** **2. JEFFREY L. Bolding** **3. DAVID R. Smith**
(73)	**1.** **2.**
(30)	**1. (US) 60/593,217 – 22/12/2004** **2. (PCT/US2005/047007) – 22/12/2005** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHOD AND APPARATUS TO HYDRAULICALLY BYPASS A WELL TOOL**
	Patent Period Started From 22/12/2005 and Will end on 21/12/2025

(57) Apparatuses and methods to communicate with a zone below a subsurface safety valve (104, 204) independent of the position of a closure member (106) of the safety valve are disclosed. The apparatuses and methods include deploying a subsurface safety valve (104, 204) to a profile located within a string of production tubing. The subsurface safety valve (104, 204) is in communica¬tion with a surface station through an injection conduit (150,152; 250,252) and includes a bypass pathway (144, 244) to inject various fluids to a zone below.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22) 15/07/2008** **(21) 1188/2008** **(44) June 2013** **(45) 09/09/2013** **(11) 26372**

(51)	**Int. Cl.[8] C09C 1/02 , 3/04 & C08K 3/26 & B01F 3/12 & D21H 17/67 , 19/38 , 17/69**	
(71)	**1. OMYA DEVELOPMENT AG (SWITZERLAND)** **2.** **3.**	
(72)	**1. BURI, Matthias** **2. GANE, Patrick** **3. HUNZIKER, Philipp**	**4. BURKHALTER, Rene** **5. KARTH, Beat**
(73)	**1.** **2.**	
(30)	**1. (FR) 0600491 – 19/01/2006** **2. (PCT/IB2007/000076) – 09/01/2007** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) PROCESS FOR MANUFACTURING PARTICLES BASED ON NATURAL CALCIUM CARBONATE AND SALTS OF ACRYLIC ACID-ETHYLENE,SUSPENSIONS AND DRY PIGMENTS OBTAINED AND USES THEREOF

Patent Period Started From 09/01/2007 and Will end on 08/01/2027

(57) The present invention consists in a process for preparing at least one mineral material and/or at least one one pigment , comprising a calcium carbonat made both partially organophilic and partially hydrophilic , wherein the carbonat is mixed and/or concentrated in aqueous medium in the presence of at least one salt of ethylene acrylic acid , a dispersant and/or grinding aid being introduced befor and/or during this treatment step . Another subject of the invention lies in the resulting dispersions and aqueous suspensions of calcium carbonate. They may be dried , and the dry pigments obtained likewise constitute a subbject of of the invention . The use of th-ese aqueous dispersions and of these dry pigments in the field of plastics , paints and paper constitutes another subject of the invention.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/03/2007** **PCT/NA2007/000249** **June 2013** **09/09/2013** **26373**

(51)	**Int. Cl. [8] C08J 9/32**
(71)	**1. ELACHEM S.R.L. (ITALY)** **2.** **3.**
(72)	**1. BRUSA, Federico** **2. BRAMBILLASCA, Davide** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) 2004/000486 – 08/09/2004** **2. (PCT/IB2005/002658) – 08/09/2005** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) LOW DENSITY POLYURETHANE INTEGRAL SKIN FOAM SYSTEM PREPARED USING EXPANDABLE MICROSPHERES AND WATER AS COBLOWING AGENT

Patent Period Started From 08/09/2005 and Will end on 07/09/2025

(57) Foamed products with free-rise densities between 0.05 and 0.22 are obtained by reacting at least one polyol with at least one isocyanate-prepolymer, in the presence of an amount of expandable microspheres within the range of 1.0% to 30% by weight on the weight of said polyol and an amount of expanding agent which is from 0.5 to 0.1 times the amount of microspheres, and carrying out the polymer expansion step at a temperature which is sufficient to cause the expansion of the microspheres.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/06/2008** **0928/2008** **June 2013** **09/09/2013** **26374**

(51)	**Int. Cl. [8] B65G 17/00 & C21B 13/00**	
(71)	**1. SIEMENS VAI METALS TECHNOLOGIES GMBH (AUSTRIA)** **2.** **3.**	
(72)	**1. FISCHER, Harald** **2. OBERNDORFER, Ernst** **3. OFNER, Hanspeter**	**4. SCHIFFER, Wilhelm**
(73)	**1.** **2.**	
(30)	**1. (AT) A2005/1958 – 07/12/2005** **2. (PCT/EP2006/011349) – 27/11/2006** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) CONVEYING SYSTEM, COMBINED SYSTEM, AND METHOD FOR COUPLING METALLURGICAL PROCESSES

Patent Period Started From 27/11/2006 and Will end on 26/11/2026

(57) The invention relates to a conveying system comprising elements for conveying lumpy, particularly hot, conveying stock and a cover for shielding the conveying stock. Disclosed are measures for inerting the conveying stock. The invention further relates to a combined system encompassing a reduction plant for reducing oxides in a continuous process as well as a processing unit for producing liquid metal in a discontinuous process, the reduction product being deliverable from the reduction plant to the processing unit. The invention also relates to a method for coupling a reduction method used for reducing oxides in a continuous process and a method used for producing liquid metal in a discontinuous process, a reduction product from the reduction method being fed to the liquid metal production method for processing.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/11/2007** **PCT/NA2007/001198** **June 2013** **09/09/2013** **26375**

(51)	**Int. Cl.** [8] **B29B 9/12, 13/02 & C08J 3/12 & C08K 5/00**
(71)	**1. M & G POLIMERI ITALIA S.P.A. (ITALY)** **2.** **3.**
(72)	**1. SISSON, Edwin A.** **2. FERRARI, Gianluca** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/677.829 - 05/05/2005** **2. (US) 60/738.489 – 21/11/2005** **3. (PCT/EP2006/004223) – 05/05/2006**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**COMPARTMENTALIZED RESIN PELLETS FOR OXYGEN SCAVENGING**
	Patent Period Started From 05/05/2006 and Will end on 04/05/2026

(57) Disclosed is a process and article to simultaneously thermally treat at least two thermoplastics when one of the thermoplastics is an oxygen inert material and the other is an oxygen sensitive material, and the article also contains a promoter that converts the oxygen sensitive material to an oxygen reactive material when brought in contact with the oxygen sensitive material. The process utilizes the compartmentalized pellet, also known as a zoned pellet, construction wherein the major amount of each component is located within individual compartments or zones of the pellet such that the reactions with compounds in the atmosphere such as oxygen are less than the reaction if the thermoplastics were homogeneously dispersed in the pellet. This is of particular use to oxygen scavenging systems.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/06/2008** **0953/2008** **June 2013** **09/09/2013** **26376**

(51)	**Int. Cl.** [8] **B01D 53/14**	
(71)	**1. BASF AKITENGESLLSHAFT (GERMANY)** **2. JGC CORPORATION (JAPAN)** **3.**	
(72)	**1. LICHTFERS, Ute** **2. ASPRION, Norbert** **3. CLAESSEN, Mark**	**4. UMINO, Hiroshi** **5. TANAKA, Koji**
(73)	**1.** **2.**	
(30)	**1. (EP) 05027111,3 – 12/12/2005** **2. (PCT/EP2006/069597) – 12/12/2006** **3.**	
(74)	**TAHA HANFI MOHMOUD**	
(12)	**Patent**	

(54) PROCESS FOR THE RECOVERY OF CARBON DIOXIDE

Patent Period Started From 12/12/2006 and Will end on 11/12/2026

(57) A process for the recovery of carbon dioxide, comprising: (a) an absorption step of bringing a carbon dioxide-containing gaseous feed stream into gas-liquid contact with an absorbing fluid, whereby at least a portion of the carbon dioxide present in the gaseous stream is absorbed into the absorbing fluid to produce (i) a refined gaseous stream having a reduced carbon dioxide content and (ii) an carbon dioxide-rich absorbing fluid, (b) a regeneration step of treating the carbon dioxide-rich absorbing fluid at a pressure of greater than 3 bar (absolute pressure) so as to liberate carbon dioxide and regenerate a carbon dioxide-lean absorbing fluid which is recycled for use in the absorption step,

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/11/2007** **PCT/NA2007/001217** **June 2013** **10/09/2013** **26377**

(51)	**Int. Cl. [8] C07C 273/12**
(71)	**1. DSM IP ASSETS B.V. (NETHERLANDS)** **2.** **3.**
(72)	**1. MENNEN, Johannes, Henricus** **2. TJIOPE, Tjay, Tjien** **3.**
(73)	**1. STAMICARBON B.V. (NETHERLANDS)** **2.**
(30)	**1. (NL) 1029038 – 13/05/2005** **2. (PCT/NL2006/000249) – 15/05/2006** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD FOR CONCENTRATING AN AQUEOUS AMMONIUM CARBAMATE STREAM

Patent Period Started From 15/05/2006 and Will end on 14/05/2026

(57) The invention relates to a method for concentrating an aqueous ammonium carbamate stream, which has been formed in a process for the preparation of urea, has a pressure between 0.20 MPa and 0.9 MPa, a temperature between 35 °C and 95 °C, and contains at least 25 wt.% H2O, comprising: a pressure increase step, in which the aqueous ammonium carbamate stream is increased in pressure to a pressure between 1.0 MPa and 7 MPa; a condensation step, in which the aqueous ammonium carbamate stream is contacted with a gas stream, which has been formed in a process for the preparation of melamine and which consists essentially of NH3, CO2 and optionally H2O and has a lower H2O content than the aqueous ammonium carbamate stream, the gas stream being absorbed in the aqueous ammonium carbamate stream in such a way that a concentrated ammonium carbamate stream is formed that contains between 15 and 35 wt.% H2O; a discharge step, in which the concentrated ammonium carbamate stream is separated and discharged.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/12/2010** **2190/2010** **June 2013** **10/09/2013** **26378**

(51)	**Int. Cl.** [8] **E21B 33/03**
(71)	**1. ENI S.P.A. (ITALY)** **2.** **3.**
(72)	**1. Dl RENZO, Domenico** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) MI2008A001163 – 26/06/2008** **2. (PCT/EP2009/004622) – 24/06/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**APPARATUS FOR IMPROVING WELL SAFETY AND RECOVERY AND INSTALLATION PROCESS THEREOF**
	Patent Period Started From 24/06/2009 and Will end on 23/06/2029

(57) Apparatus for improving the safety and recovery of wells to be installed in oil wells comprising a Deep Set Well Head (DSWH), a Casing Receptacle (1), a Deep Set Tubing Hanger (DSTH) (2), Sub-Surface Safety Valves (SSSVs) (12) (13) with one or two independent Control Lines and Connection elements between the DSTH and well head.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/08/2010** **1362/2010** **May 2013** **10/09/2013** **26379**

(51)	**Int. Cl.** [8] **F42B 12/36 & H01Q 21/24 , 3/24**	
(71)	**1. SELEX SISTEMI INTEGRATI S.P.A (ITALY)** **2.** **3.**	
(72)	**1. DI DONATO, Luca** **2. KROPP, Andrea** **3. MALAVENDA,Claudio**	**4. MARCHESINI, Claudio** **5. MATTIACCI, Sandro** **6. ROMANI, Stefano**
(73)	**1.** **2.**	
(30)	**1. (IT) PCT/IT2008/000088 – 13/02/2008** **2.** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) RADIO DEVICE FOR A WIRELESS NETWORK

Patent Period Started From 13/02/2008 and Will end on 12/02/2028

(57) Radio device for a wireless network comprising: an outer protective casing housing an electronic transceiver circuit; and four radiating elements carried by the protective casing and having orientations that differ from one another. The outer protective casing is configured in such a way that, when it is set on a plane surface, it sets itself with just one radiating element substantially perpendicular to the plane surface; the radio device is able to determine autonomously the orientation assumed and comprises an automatic selector for selecting the radiating element set substantially perpendicular to the plane surface.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/06/2011** **0978/2011** **June 2013** **10/09/2013** **26380**

(51)	**Int. Cl.** [8] **G09B 19/00**	
(71)	**1. TECHNIP FRANCE (FRANCE)** **2.** **3.**	
(72)	**1. EATOCK, Darren** **2. GILMOUR, Fraser** **3. SHAW, Kenneth**	**4. ANDERSON, Hugh**
(73)	**1.** **2.**	
(30)	**1. (GB) 0823183,9 – 19/12/2008** **2. (PCT/GB2009/051571) – 19/11/2009** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) MOBILE TRAINING UNIT

Patent Period Started From 19/11/2009 and Will end on 18/11/2029

(57) A mobile training unit comprising a transportable cargo container having a transport position and at least one training position, the cargo container comprising: (a) at least one confined working compartment wholly or substantially within the cargo container dimensions; (b) at least one cargo container wall portion movable between a closed transport position and an open training position; (c) at least one door for entry into and exit from the cargo container; and (d) a tower movable between a transport position within the cargo container dimensions, and a training position extending beyond the cargo container. The mobile training unit in its transport position provides a very convenient unit for easy transportation to different locations where training is necessary or desired. This mobile training unit can at least supply facilities to provide training in relation to confined /enclosed spaces, working at height, fall potential and rescue situations.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/12/2009** **1870/2009** **May 2013** **10/09/2013** **26381**

(51)	**Int. Cl.** [8] **C12Q 1/68**
(71)	**1. ENI S.P.A. (ITALY)** **2.** **3.**
(72)	**1. RODRIGUEZ, Francesco** **2. DE FERRA, Francesca** **3. FRANCHI, Elisabetta**
(73)	**1.** **2.**
(30)	**1. (IT) M122007A1262 – 22/06/2007** **2. (PCT/EP2008/004723) - 10/06/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHOD FOR THE IDENTIFICATION OF PROPANE-OXIDIZING BACTERIA**
	Patent Period Started From 10/06/2008 and Will end on 09/06/2028

(57) The invention relates to a method for the identification of propane - oxidizing bacteria which is based on the identification of at least one fragment of the prmA gene encoding the alpha subunit of the propane monooxygenase enzyme and/or the prmD gene encoding an ancillary protein involved in the oxidation reaction of propane by gene amplification in the presence of pairs of primers selected in correspondence of homologous portions, deduced from the alignment of the prmA and prmD sequences.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/08/2008** **1358/2008** **May 2013** **10/09/2013** **26382**

(51)	**Int. Cl.** [8] **A01K 97/12**
(71)	**1. YASER ABD EL RAZEK EED EL SAYED (EGYPT)** **2.** **3.**
(72)	**1. YASER ABD EL RAZEK EED EL SAYED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**AN ALARM DEVICE FLASHING LIGHT OR AUDIO FOR FISHING BY FISHING HOOK**
	Patent Period Started From 10/08/2008 and Will end on 09/08/2028

(57) The invention is about flashing light or audio alarm that can be used in catching fish with fishhook (fishing rod). It consists of: • Body. • An electric circuit (battery / spring (vibration sensor) / conductor/ switch/ flashing lamp or speaker) This system is designed to be used in catching fish with the fish hook either during daylight or at night. It produces a flashing signal (light – audio) when a fish approaches and begins to eat the bait. This enables the person who is fishing to pull the fishing rod in the right time. The function of the invention: When a fish pulls the bait. The fishing rod vibrates and the spring inside the system vibrates automatically, then it touches the stripe that completes the electric circuit to the flashing light lamp or the speaker to make the needed alarm either flashing light or audio.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/09/2010** **1578/2010** **April 2013** **10/09/2013** **26383**

(51)	**Int. Cl.[8] A61K 6/06 & A61C 8/00**	
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**	
(72)	**1. ENGIE MOHAMED MOSTAFA SAFWAT** **2. 4. Dalia Yehia Ibrahim Ahmed Zaki** **3. SAYED HOSSAIN SAYED SANIOUR**	**4. ESSAM ABD ELAZIZ KISHAR** **5. Mona Mahmoud El-Batran**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)	**FOCAL POINT (NATIONAL RESEARCH CENTER)**	
(12)	**Patent**	

(54)	**THE COMPOSITION OF ZINC PHOSPHATE CEMENT POWDER AS A BASE UNDER METALLIC RESTORTIVE FILLING MATERIALS AND TO RETAIN APPLIANCES IN A FIXED POSITION WITHIN THE MOUTH**
	Patent Period Started From 20/09/2010 and Will end on 19/09/2030

(57) Zinc phosphate cement is used in dentistry as a base under restorative filling material, and to retain restorations or appliances in a fixed position within the mouth. In spite of the availability of the chemicals and raw materials essential for the preparation of zinc phosphate cement in Egypt it is still imported. Therefore, in this study we tried to prepare zinc phosphate cement from Egyptian raw materials. For this purpose two commercially available zinc phosphate cements (Ad and Al) were subjected to extensive chemical analysis to determine the exact composition of their powder quantitatively and qualitatively. Results indicated that powder consists of zinc oxide, magnesium oxide, silicon dioxide and aluminum oxide. An experimental mixture was selected from four prepared experimental mixtures. The selected experimental mixture was prepared having the composition of zinc oxide (91.66%), magnesium oxide (2.2%), aluminum oxide (3.31%) , silica (0.126%). Results also indicated that the addition of bile bovine (0.9%) and borax (1.43%) to the selected experimental mixture produced the most acceptable fluidity, setting time, working time, solubility and compressive strength which satisfies the ANSI/ ADA specification No. 8 and 96 for zinc phosphate cement.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/07/2011** **1255/2011** **April 2013** **16/09/2013** **26384**

(51)	**Int. Cl.** [8] **E21B 43/24**
(71)	**1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BECKER, Harold, L.** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/365,750 – 04/02/2009** **2. (US) 61/211,441 – 29/06/2009** **3. (PCT/US2009/044353) – 18/05/2009** **4. (PCT/US2009/059411) – 02/10/2009**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54) ELECTROMAGNETIC WAVE TREATMENT OF OIL WELLS

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

(57) A method including exposing a substance to a first type of electromagnetic waves generated by a first device. The frequency of the first type of electromagnetic waves is in the radio frequency range and the device preferably consumes no more than about 1,000 Watts of power. The exposure takes place for a period of time and at a frequency sufficient to detectably alter at least one physical property of the substance as it existed prior to the exposure. The substance is selected from the group consisting of a hydrate, a water and oil emulsion, clay, scale, cement, a completion fluid, tank sediment and iron sulfide.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/07/2011** **1235/2011** **June 2013** **16/09/2013** **26385**

(51)	**Int. Cl. [8] A23C 3/00, 7/04, 9/00, 9/15, 9/125, 3/037**
(71)	**1. ARLA FOODS AMBA (DENMARK)** **2.** **3.**
(72)	**1. HOLST, Hans Henrik** **2. GUNTHER, William Stuart** **3. ANDERSEN, Joergen** **4. LUNDGREN, Kristoffer**
(73)	**1.** **2.**
(30)	**1. (US) 61/147,614 – 27/01/2009** **2. (PCT/DK2010/050019) 27/01/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) LONG SHELF LIFE MILK AND MILK-RELATED PRODUCTS, AND A PROCESS AND MILK PROCESSING PLANT FOR THEIR MANUFACTURE

Patent Period Started From 27/01/2010 and Will end on 26/01/2030

(57) The present invention relates to long shelf life milk or milk-related products as well as to a method for producing such long shelf life products and a milk processing plant for the implementation of the method. The method of the invention is characterised by the combination of physical separation of microorganisms and a high temperature treatment for at most 200 msec, and the resulting product has been found to have advantageous properties.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/11/2010** **1977/2010** **May 2013** **16/09/2013** **26386**

(51)	**Int. Cl. [8] B63C 11/32 & G01L 7/04**
(71)	**1. REDA MOHAMED MOHAMED AL-SALSALY(EGYPT)** **2.** **3.**
(72)	**1. REDA MOHAMED MOHAMED AL-SALSALY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**UTILITY MODEL**
(12)	**Patent**

(54)	**PLUNGING INDICATOR**
	Patent Period Started From 24/11/2010 and Will end on 23/11/2017

(57) The Present invention relates to a low-coast small device that is used to know easily where the pluning body is and at which depth. This device floats over the water surface ertically over the plunging body (ship or the like). It consists of a real over which there is a string is tied from one side to the boat and the other one to the indicator. The reel and string is carried by a part of fiber material. The plunging indicator proportions with the amount of string and the indicator weight. The string types and strength vary according to the depth of the sailing area. The lunging indicator is present at the closest vertical dimension of the lunging body.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/07/2008** **1247/2008** **June 2013** **22/09/2013** **26387**

(51)	**Int. Cl.[8] C22C 38/00**
(71)	**1. ARVEDI GIOVANNI (ITALY)** **2.** **3.**
(72)	**1. ARVEDI GIOVANNI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/IT/2006/000045) – 26/01/2006** **2.** **3.**
(74)	**HODA SERAG ELDEEN**
(12)	**Patent**

(54)	**HOT STEEL STRIP PARTICULARLY SUITED FOR THE PRODUCTION OF ELECTROMAGNETIC LAMINATION PACKS**
	Patent Period Started From 26/01/2006 and Will end on 25/01/2026

(57) A hot rolled low carbon steel strip with a reduced content of silicon and thickness comprised between 0.65 and 1.5 mm can be used in a particularly advantageous way for the production of multilayer packs of cold cut lamination and all those products composed of a number of overlying steel sheets which are required to have a substantial parallelism, planarity and no burrs, providing a valid alternative solution to the cold rolled, non-oriented grain silicon steel strip which is usually employed to this purpose. Said steel strip is characterized by a silicon content < 0.03 %, a thickness preferably between about 0.65 and 1 mm, reduced tolerances of ± 0.05 mm, a parallelism rate < 0.02 mm and a fine and uniform grain structure with the 70% of the ferritic grains comprised between the grades 9 and 12 of the ASTM E 112 standard.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/06/2010** **1048/2010** **May 2013** **23/09/2013** **26388**

(51)	**Int. Cl.** [8] **A61B 17/00**
(71)	**1. RENALDO YOUSEF MANSOUR EED (EGYPT)** **2.** **3.**
(72)	**1. RENALDO YOUSEF MANSOUR EED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**THE VAGINAL MANIPULATOR**
	Patent Period Started From 20/06/2010 and Will end on 19/06/2030

(57) Burch colposuspension is the classic operation for stress incontinence in women . In this operation, the surgeon puts the fingers of the left hand into the vagina to lift it upwards to take stitches by the right hand so that the base of the bladder is repositioned . and thus, control of urine is restored. This operation is difficult, exhausting and accompanied by significant blood loss, besides the potential risk of needle accidents. The vaginal Manipulator eliminates this risk . It can also allow control of bleeding and taking wider deeper stitches through the groove on its tip . Thus facilitating the most important operation for stress incontinence .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/04/2010** **0671/2010** **April 2013** **25/09/2013** **26389**

(51)	**Int. Cl. [8] G01V 1/28**
(71)	**1. PGS GEOPHYSICAL AS. (NORWAY)** **2.** **3.**
(72)	**1. DAY ANTHONY JAMES** **2. KLUEVER TILMAN** **3.**
(73)	**1.** **2.**
(30)	**1. (US) - 12/387.769 – 07/05/2009** **2.** **3.**
(74)	**MOHAMED KAMEL MOSTAFA**
(12)	**Patent**

(54) METHOD FOR CALCULATION OF SEISMIC ATTRIBUTES FROM SEISMIC SIGNALS

Patent Period Started From 26/04/2010and Will end on 25/04/2030

(57) Filters are applied to seismic signals representative of subsurface formations to generate filtered signals with attenuated spatially aliased energy. The filtered signals are multiplied in the frequency-wavenumber domain by a complex function of frequency and wavenumber representing the seismic attribute in the frequency-wavenumber domain, to generate scaled signals. The scaled signals, transformed to the time-space domain, are divided by the filtered signals in the time-space domain, to a seismic attribute useful for identifying and characterizing the subsurface formations.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/04/2011** **0537/2011** **May 2013** **26/09/2013** **26390**

(51)	**Int. Cl. [8] C03B 5/04**
(71)	**1. GEIB, Uwe (GERMANY)** **2.** **3.**
(72)	**1. GEIB, Uwe** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102008050855.1 – 08/10/2008** **2. (PCT/EP2009/007101) – 05/10/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**MELTING FURNACE HAVING AN INFINITE FURNACE CAMPAIGN**
	Patent Period Started From 05/10/2009 and Will end on 04/10/2029

(57) The invention relates to methods and to devices for a melting furnace, or for the conveying lines of the product to be melted, having an infinite life (furnace campaign). The same is achieved by means of the continuous/periodic, e.g. cyclic, exchange, in the optimum case, of all of the components surrounding the furnace interior/melting space, or surrounding the conveying lines, in that the components can be arranged/placed next to each other in a modular manner and that said components move in a certain direction while new individual parts are added at one of the free ends of the respective assembly and while worn/used individual parts are removed at the other free end of the respective assembly. For this purpose the individual components are held and/or moved by suitable receptacles, wherein the furnace interior/melting chamber remains stationary.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/03/2009** **0334/2009** **April 2013** **26/09/2013** **26391**

(51)	**Int. Cl. [8] G01V 1/36**
(71)	**1. PGS GEOPHYSICAL AS. (NORWAY)** **2.** **3.**
(72)	**1. MICHEL ALVERT SCHONEWILLE** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/077,108 - 17/03/2008** **2.** **3.**
(74)	**MOHAMED KAMEL MOSTAFA**
(12)	**Patent**

(54)	**METHOD FOR INTERPOLATING SEISIC DATA BY ANTI-ALLAS, ANTI- LEKAGE FOURIER TRANSFORM**
	Patent Period Started From 12/03/2009 and Will end on 11/03/2029

(57) An estimated frequency-wavenumber spectrum is generated by applying a first Anti-leakage Fourier transform method to aliased frequency components in temporal-transformed seismic data and applying a second Anti-leakage Fourier transform method to unaliased frequency components in the temporal-transformed seismic data. The second Anti-leakage Fourier transform method applies an absolute frequency-wavenumber spectrum extrapolated from unaliased frequencies to aliased frequencies to weight frequency-wavenumber components of the aliased frequencies. An inverse temporal and spatial Fourier transform is applied to the estimated frequency-wavenumber spectrum, generating trace interpolation of the seismic data.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/02/2011** **0237/2010** **June 2013** **26/09/2013** **26392**

(51)	**Int. Cl.** [8] **G01V 1/36**
(71)	**1. PGS GEOPHYSICAL AS (NORWAY)** **2.** **3.**
(72)	**1. CAMBOIS, Guillaume** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/228.626 – 14/08/2008** **2. (PCT/EP2009/060424) – 12/08/2009** **3.**
(74)	**MOHAMED KAMEL MOSTAFA**
(12)	**Patent**

(54) ATTENUATING SEISMIC INTERFERENCE NOISE USING A DUAL SENSOR RECORDING SYSTEM

Patent Period Started From 12/08/2009 and Will end on 11/08/2029

(57) A method for attenuating noise in marine seismic signals includes cross ghosting pressure responsive marine seismic signals and contemporaneously acquired motion responsive marine seismic signals. A difference is deter¬mined between the cross ghosted signals. The dif¬ference is used to attenuate noise in at least one of the pressure responsive signals and the motion responsive 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)**	**10/02/2010** **0224/2010** **June 2013** **29/09/2013** **26393**

(51)	**Int. Cl.** [8] **B01D 45/14 & F24F 3/16**
(71)	**1. ADEL SHABAAN ALY SHABAAN (EGYPT)** **2.** **3.**
(72)	**1. ADEL SHABAAN ALY SHABAAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**FILTER FOR INDUSTRIAL EMISSIONS**
	Patent Period Started From 10/02/2010 and Will end on 09/02/2030

(57) It's an artificial lung to save the Earth from the environment phenomenons resulting from all the kinds of industries in the world and using carbon elements with a proportion of 60% to 70% as an alternative and clean energy by separating "Alcan" substance from the carbon elements in the case of using and burning the "Alcon" substance as a fuel for cars ,As a result for this a new exhaust will be concluded and it will be "H2O" *The characteristics of this invention :- It means privation / Losing and emptying 80% of the temperature Which is inside the in lets and pulling the elements that affect the environment with a proprotion of 10% of external cold air inside the full tanks and carrying all the elements that pollute the environment and turning back 10% of it to the emission source which is a closed circle a long the period of operating In this case , it means a complete removal not partial for this environment phonemenon . A model has been made to prove this experiment This model proved to be a successful one with a proportion of 100% .

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)**	**03/05/2011** **0682/2011** **May 2013** **30/09/2013** **26394**

(51)	**Int. Cl.** [8] **E02D 17/02**	
(71)	**1. REYNOLDS CONSUMER PRODUCTS, INC. (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. SENF, Daniel, F.** **2. TIETJEN, Kai** **3. SCHNEIDER, Cory**	**4. HANDLOS, William** **5. BACH, Gary, M.**
(73)	**1.** **2.**	
(30)	**1. (US) 12/268,084 – 10/11/2008** **2. (PCT/US2009/062359) – 28/10/2009** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) CONNECTION DEVICE

Patent Period Started From 28/10/2009 and Will end on 27/10/2029

(57) A connection device for fastening two expanded cellular confinement structures includes an insertion member having first and second opposite insertion ends and an insertion member extension therebetween. An integral shank extends from the insertion member extension and is spaces from each of the first and second insertion ends. A handle member extends generally from the shank at an end of the shank that is remote from the insertion member. The handle member has first and second handle ends and a handle member extension therebetween. The shank is spaced from each of the first and second handle ends. A cellular confinement system includes first and second unitary webs of cells made from elongated plastic strips bonded together in spaced apart areas. The strips form walls of the cells and at least some of the cells define open slots. At least one open slot of a first unitary web of cells is aligned with at least one open slot of a second unitary web of cells to result in a cell overlap region. The cell overlap region has opposite first and second sides. At least one connection device fastens the first unitary web of cells and the second unitary web of cells together. A method of fastening two expanded cellular confinement structures includes aligning two expanded cellular confinement structures so that at least one open slot defined by a first unitary web of cells is aligned with at least one open slot defined by a second unitary web of cells to form an overlap region having first and second sides; inserting an insertion member of a connection device from the second side of the overlap region through the aligned open slots of the overlap region to provide: the insertion member on the first side of the overlap region; a handle member of the connection device on the second side of the overlap region; and a shank member between the insert member and the handle member extending through the overlap region.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/11/2009** **1616/2009** **June 2013** **30/09/2013** **26395**

(51)	**Int. Cl. [8] B01J 13/00**
(71)	**1. HELLING INNOVATION UG (GERMANY)** **2.** **3.**
(72)	**1. HELLING, Günter** **2.** **3.**
(73)	**1. BAYER INNOVATION GMBH (GERMANY)** **2.**
(30)	**1. (DE) 102007020523.8 – 02/05/2007** **2. (PCT/EP2008/003490) – 30/04/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METAL SALT NANOGEL-CONTAINING POLYMERS

Patent Period Started From 30/04/2008 and Will end on 29/04/2028

(57) The invention relates to a method for producing metal salt nanogel-containing aqueous dispersions, solid intermediate products and waterproof plastic products, thus allowing the simple production of novel products having homogeneously distributed agents, which exhibit, for example, an antimicrobial or barrier effect and/or have an absorbing capacity, such as with respect to oxygen, humidity, chemical, particularly gaseous compounds, or electromagnetic or radioactive radiation.

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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)**	**16/03/2008** **0452/2008** **May 2013** **30/09/2013** **26396**

(51)	**Int. Cl. [8] B01J 31/22, 31/14 & C08F 10/00, 4/6592 & C07F 17/00**
(71)	**1. CHEVRON PHILLIPS CHEMICAL CO LP. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JAYARATNE, Kumundini** **2. JENSEN, Michael, D.** **3. YANG, Qing**
(73)	**1.** **2.**
(30)	**1. (US) 11/208.077 – 15/09/2005** **2. (PCT/US2006/032542) – 18/08/2006** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**POLYMERIZATION CATALYSTS AND PROCESS FOR PRODUCING BIMODAL POLYMERS IN A SINGLE REACTOR**
	Patent Period Started From 18/08/2006 and Will end on 17/08/2026

(57) Catalyst compositions comprising a first metallocene compound, a second metallocene compound, an activator-support, and an organoaluminum compound are provided. An improved method for preparing cyclopentadienyl complexes used to produce polyolefms is also provided.

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

GRANTED PATENTS' ABSTRACTS GAZETTE

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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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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
October (2013)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/05/2010** **0775/2010** **June 2013** **03/10/2013** **26397**

(51)	**Int. Cl.** [8] **G01V 5/00**	
(71)	**1. AMERICAN SCIENCE AND ENGINEERING, INC. (UNITED STATES OF AMERICA** **2.** **3.**	
(72)	**1. MASTRONARDI, Richard** **2. FLEURY, Dean** **3. SCHUBERT, Jeffrey, R.** **4. DIMARE, Joseph**	**5. SCHUELLER, Richard** **6. CHALMERS, Alexander**
(73)	**1.** **2.**	
(30)	**1. (US) 60/988.933 – 19/11/2007** **2. (PCT/US2008/083741) - 17/11/2008** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) MULTIPLE IMAGE COLLECTION AND SYNTHESIS FOR PERSONNEL SCREENING

Patent Period Started From 17/11/2008 and Will end on 16/11/2028

(57) An apparatus and method for inspecting personnel or their effects. A first and second carriage each carries a source for producing a beam of penetrating radiation incident on a subject. A positioner provides for synchronized relative motion of each carriage vis-a-vis the subject in a direction having a vertical component. A detector receives radiation produced by at least one of the sources after the radiation interacts with the subject.

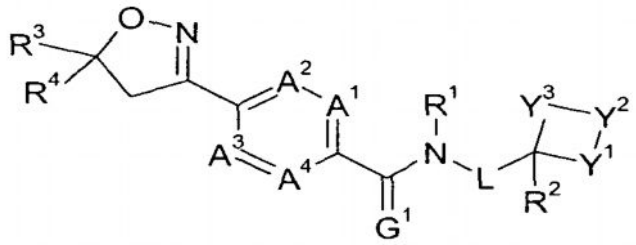
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/06/2010** **1079/2010** **July 2013** **08/10/2013** **26398**

(51)	**Int. Cl. [8] C07D 413/12 & A01N 43/80**	
(71)	**1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND)** **2.** **3.**	
(72)	**1. RENOLD, Peter** **2. ZAMBACH, Werner** **3. MAIENFISCH, Peter**	**4. MUEHLEBACH, Michel**
(73)	**1.** **2.**	
(30)	**1. (GB) 0725219.0 – 24/12/2007** **2. (GB) 0813849.7 – 29/07/2008** **3. (PCT/EP2008/010701) – 16/12/2008**	
(74)	**SOHAIR M. REZK**	
(12)	**Patent**	

(54) INSECTICIDAL COMPOUNDS

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

(57) A compound of formula (I), wherein A^1, A^2, A^3, A^4, G^1, L, R^1, R^2, R^3, R^4, Y^1, Y^2 and Y^3 are as defined in claim 1; or a salt or N-oxide thereof. Furthermore, the present invention relates to processes and intermediates for preparing compounds of formula (I), to insecticidal, acaricidal, molluscicidal and nematicidal compositions comprising them and to methods of using them to combat and control insect, acarine, mollusc and nematode pests.



(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)**	**14/12/2011** **2095/2011** **July 2013** **08/10/2013** **26399**

(51)	**Int. Cl. [8] C09K 5/02 & C01B 31/02 & C04B 35/52, 41/81**	
(71)	**1. ABENGOA SOLAR NEW TECHNOLOGIES, S.A. (SPAIN)** **2.** **3.**	
(72)	**1. PALOMO DEL BARRIO, Elena** **2. BEN KHEMIS, Sabri** **3. MOURAND, David** **4. NOEL, Frédéric** **5. HO-KON-TIAT, Vanessa**	**6. DAUVERGE, Jean-Luc** **7. ANGUY, Yannick** **8. PRIETO RIOS, Cristina** **9. JOVE LLOVERA, Aleix**
(73)	**1.** **2.**	
(30)	**1. (ES) P200901423 – 16/06/2009** **2. (PCT/ES2010/000261) – 15/06/2010**	
(74)	**SOHAIR M. REZK**	
(12)	**Patent**	

(54) COMPOSITE MATERIAL FOR STORING HEAT ENERGY AT HIGH TEMPERATURES

Patent Period Started From 15/06/2010 and Will end on 14/06/2030

(57) The invention relates to a composite material for storing heat energy at high temperatures (225 to 488°C), formed by a porous carbon structure at least partially filled with LiOH/KOH, in which a large amount of heat energy can be stored or released very quickly. The carbon structure is characterized by high volumetric thermal conductivity, low density, highly interconnected porosity and relatively high modulus of elasticity. The significant properties of the LiOH/KOH mixtures are: large amount of energy involved in full crystallization/fusion, fairly low relative volume expansion upon melting, and fairly low subcooling. The main advantages of the resulting composites are: very high energy density, relatively low volume expansion, highly enhanced heat transfer, thermoadaptability, stability and insignificant hysteresis.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/11/2010** **1906/2010** **July 2013** **09/10/2013** **26400**

(51)	**Int. Cl.** [8] **G10L 21/02**	
(71)	**1. FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN** **2. FORSCHUNG E.V. (GERMANY)** **3.**	
(72)	**1. NAGEL, Frederik** **2. NEUENDORF, Max** **3. RETTELBACH, Nikolaus** **4. LECOMTE, Jérémie**	**5. MULTRUS, Markus** **6. GRILL, Bernhard**
(73)	**1.** **2.**	
(30)	**1. (US) 61/111,125 – 02/04/2009** **2. (US) 61/168,068 - 09/04/2009** **3. (EP) 09181008,5 – 30/12/2009** **4. (PCT/EP2010/054422) – 01/04/2010**	
(74)	**HODA SERAG EL DEEN**	
(12)	**Patent**	

(54) APPARATUS AND METHOD FOR GENERATING A REPRESENTATION OF A BANDWIDTH-EXTENDED SIGNAL ON THE BASIS OF AN INPUT SIGNAL REPRESENTATION USING A COMBINATION OF A HARMONIC BANDWIDTH-EXTENSION AND A NON-HARMONIC BANDWIDTH-EXTENSION

Patent Period Started From 01/04/2010 and Will end on 31/03/2030

(57) An apparatus for generating a representation of a bandwidth-extended signal on the basis of an input signal representation comprises a phase vocoder configured to obtain values of a spectral domain representation of a first patch of the bandwidth-extended signal on the basis of the input signal representation. The apparatus also comprises a value copier configured to copy a set of values of the spectral domain representation of the first patch, which values are provided by the phase vocoder, to obtain a set of values of a spectral domain representation of a second patch, wherein the second patch is associated with higher frequencies than the first patch. The apparatus is configured to obtain the representation of the bandwidth-extended signal using the values of the spectral domain representation of the first patch and the values of the spectral domain representation of the second patch.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/01/2010** **0066/2010** **July 2013** **09/10/2013** **26401**

(51)	**Int. Cl.** [8] **B29C 65/00 & F16L 37/133 , 47/03**
(71)	**1. RADIUS SYSTEMS LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. CHRISTODOULOU, Mario John** **2. RICHARDS, Lawrence, Adam, Faulkner** **3. MUCKLE, Derek, John**
(73)	**1.** **2.**
(30)	**1. (GB) 0713814,2 – 17/07/2007** **2. (EP) 07254750,8 – 07/12/2007** **3. (PCT/GB2008/050580) – 16/07/2008**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54) ELECTROFUSION FITTING

Patent Period Started From 16/07/2008 and Will end on 15/07/2028

(57) A moulded electrofusion fitting for connection to a plastics pipeline, comprises a hollow body formed with a tubular opening that has a longitudinal axis and is adapted to receive an end of the pipeline as a close sliding fit. An electrofusion element is formed in the internal surface in the opening, spaced from its end. Fingers are on the end of the opening, circumferentially spaced around the opening and separated by slots between them. Cam surfaces in the form of ribs are defined on the fingers, and a grip ring is received on the fingers and includes wedge elements in the form of grooves. These are adapted to fit the ribs so that, when a pipeline is inserted in the opening and the grip ring is rotated about said axis, the ribs and grooves engage to press the fingers radially inwardly against the reaction of the grip ring whereby, said pipe is gripped by said grip ring and centralised in the opening. The grip ring may be integrated with a terminal pin, a bayonet slot of the grip ring accommodating the terminal pin, a shroud boss formed on the grip ring around the base of the bayonet slot.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/05/2011** **0815/2011** **July 2013** **20/10/2013** **26402**

(51)	**Int. Cl.** [8] **F24F3/147 & F25B47/02**
(71)	**1. BASSAM AHMED AHMED BADWY ZAYED (EGYPT)** **2.** **3.**
(72)	**1. BASSAM AHMED AHMED BADWY ZAYED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Utility Model**

(54)	**A CLOSED SYSTEM TO PROVIDE WATER**
	Patent Period Started From 24/05/2011 and Will end on 23/05/2018

(57) This invention is about a closed system which can provide the laboratory sets that have water condensers with water, and it can save water and energy. It is produced by the manufacturing companies of the laboratory equipments.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/08/2010** **1427/2010** **May2013** **21/10/2013** **26403**

(51)	**Int. Cl.** [8] **A61B 17/70**
(71)	**1. HAZEM BAYOUMI ELSEBAIE (EGYPT)** **2. MOHAMED HAMZA HILALI IDROOS NOORDEEN LITEDY (KINGDOM)** **3.**
(72)	**1. HAZEM BAYOUMI ELSEBAIE** **2. MOHAMED HAMZA HILALI IDROOS NOORDEEN LITEDY (KINGDOM)** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) ARTICULATED SEGMENTAL INTERCONNECTED PLATES FOR VERTEBRAL FIXATION AND CORRECTION OF SPINAL DEFORMITIES

Patent Period Started From 26/08/2010 and Will end on 25/08/2030

(57) This invention is describing a vertebral fixation system to be used in correction and fixation of spinal deformities as well as fixation of other spinal pathologies. This system corrects spinal deformities in a simple and effective way through independently controlling each vertebra and by gaining full control it makes it easy to correct the deformity in all the 3 dimensional planes. The system is totally different than the current solid rods currently used in correction of spinal deformities. The articulated plate system will be similar to a chain in which each segment will be fixed to its corresponding vertebra within the curve, hence by manipulating the plate segment the vertebra will be mobilized as desired, each segment will be manipulated in relation to the adjacent segment till the required relation between each 2 adjacent segments is achieved then the interconnecting portion or joint (s) between the two segments will be locked to maintain this relationship unchanged.

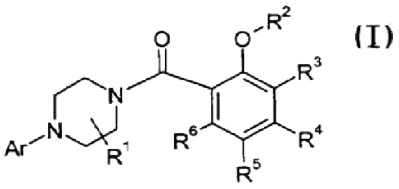
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/02/2006** **PCT/NA2006/000136** **September 2013** **21/10/2013** **26404**

(51)	**Int. Cl.** [8] **C07D 295/192, 213/74 & A61K 31/495, 31/497 & A61P 25/28**	
(71)	**1. F. HOFFMANN-LA ROCHE AG (SWITZERLAND)** **2.** **3.**	
(72)	**1. JOLIDON, Synese** **2. NARQUIZIAN, Robert** **3. NETTEKOVEN, Matthias, Heinrich**	**4. NORCROSS, Roger, David** **5. PINARD, Emmanuel** **6. STALDER, Henri**
(73)	**1.** **2.**	
(30)	**1. (EP) 03017614,3 – 11/08/2006** **2. (PCT/EP2004/008633) – 02/08/2004** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) PIPERAZINE WITH OR-SUBSTITUTED PHENYL GROUP AND THEIR USE AS GLYT1 INHIBITORS

Patent Period Started From 02/08/2004 and Will end on 01/08/2024

(57) The invention relates to compounds of formula (i) wherein the substituents are described in claim 1. The compounds may be used in the treatment of illnesses based on the glycine uptake inhibitors, such as psychoses, pain neurodegenerative disfunction in memory and learning, schizophrenia, dementia and other diseases in which cognitive processes are impaired, such as attention deficit disorders or alzheimer's disease.



(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)**	**03/04/2005** **0167/2005** **May 2013** **21/10/2013** **26405**

(51)	**Int. Cl.[8] C02F 1/00 & C12N 15/00**
(71)	**1. CITY OF SEIENTIFIC RESEARCHES AND TECHNOLOGY APPLICATIONS (EGYPT)** **2.** **3.**
(72)	**1. DESOUKY AHMED MOHAMED ABD EL-HALEEM** **2. SAHAR ABDELFATAH ZAKI** **3. GADALLAH MANSOUR SAADALLAH**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT (CITY OF SEIENTIFIC RESEARCHES AND TECHNOLOGY APPLICATIONS)**
(12)	**Patent**

(54)	**GENETICALLY ENGINEERED BIOSENSOR TO MONITOR TOXICITY OF CHEMICAL POLLUTANTS IN LIQUIDS**
	Patent Period Started From 03/04/2005 and Will end on 02/04/2025

(57) This invention provides a biosensor bacterium, exactly similar to a bacterium that occurs naturally in polluted environments and that contains a group of genes that encodes a reporter protein not found in the naturally occurring bacterium. In addition this invention includes a method for the genetically modified biosensor and its use in measuring a wide number of chemical pollutants by just expositing a suspension of the biosensor cells obtained through this invention to the wanted to measure chemical material. According to the toxicity of this material the bioluminescent light produced by the constructed biosensor is reduced. Moreover, this invention includes the ability of the constructed biosensor to sense to the toxicity of phenol compounds, heavy metals, organic solvents; nitrogen compounds antibiotics and real water samples collected from different ecosystems.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/03/2010** **0458/2010** **April 2013** **21/10/2013** **26406**

(51)	**Int. Cl.** [8] **H04N 7/26 , 13/00**
(71)	**1. KONINKLIJKE PHILIPS ELECTRONICS N.V. (Netherlands)** **2.** **3.**
(72)	**1. BRULS, Wilhelm us, H., A.** **2. BOURGE, Arnaud, P., H.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 07117057.5 – 24/09/2007** **2. (PCT/IB2008/053739) – 16/09/2008** **3.**
(74)	**ABDEL HADI FOR INTELLECTUAL PROPERTY**
(12)	**Patent**

(54) METHOD FOR ENCODING / DECODING SIGNAL OF VIDEO DATA

Patent Period Started From 16/09/2008 and Will end on 15/09/2028

(57) Video data signals are encoded such that the encoded video data signal comprises at least a primary and at least a secondary video data signal. The primary and secondary video data signal are jointly compressed. The primary video data signal is compressed in a self-contained manner, and the secondary video data signal is compressed using data from the primary video data signal. The jointly compressed video data signal is split (bss) into separate bitstreams, at least a primary bitstream comprising data for the primary video data signal and at least a secondary bitstream comprising data for the secondary video data signal, whereafter the primary and secondary bitstreams are multiplexed into a multiplexed signal, and the primary and secondary signals are provided with separate codes (0x1b, 0x20).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/07/2010** **1202/2010** **July 2013** **22/10/2013** **26407**

(51)	**Int. Cl. [8] B01D 61/44 & C02F 1/04, 1/469**
(71)	**1. ENI S.P.A. (ITALY)** **2.** **3.**
(72)	**1. MIGLIO, Roberta** **2. BIGNAZZI, Renzo** **3. CARNELLI, Lino**
(73)	**1.** **2.**
(30)	**1. (IT) MI2008A000080 – 18/01/2008** **2. (PCT/EP2009/000391) – 14/01/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESS FOR THE TREATMENT OF THE AQUEOUS STREAM COMING FROM THE FISCHER-TROPSCH REACTION

Patent Period Started From 14/01/2009 and Will end on 13/01/2029

(57) The present invention relates to a process for the treatment of the aqueous stream coming from the fischer- tropsch reaction which comprises: - feeding of the aqueous stream containing organic by-products of the reaction to a distillation or stripping column; - collection from the column of a distillate enriched in alcohols having from 1 to 8 carbon atoms and other possible volatile compounds; feeding of the aqueous stream containing the acids leaving the bottom of the distillation column to an electrodialysis cell and the production of two outgoing streams : - an aqueous stream (i) enriched in organic acids having from 1 to 8 carbon atoms; - a purified aqueous stream (ii) with a low acid content.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/08/2011** **1426/2011** **July 2013** **22/10/2013** **26408**

(51)	**Int. Cl. [8] H01M 2/12**
(71)	**1. AKUMSAN PLASTIK URUNLER SANAYI VE TICARET ANONIM SIRKETI (TURKEY)** **2.** **3.**
(72)	**1. GUNDUZ, Ugur** **2. UNLU, Ali** **3.**
(73)	**1.** **2.**
(30)	**1. (TR) 2009/01451 – 26/02/2009** **2. (PCT/TR2009/000056) – 07/05/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**FULLY MAINTENANCE-FREE SEALING PLASTIC ACCUMULATOR COVER WITH DOUBLE COMPONENT OR O-RING**
	Patent Period Started From 07/05/2009 and Will end on 06/05/2029

(57) The invention is sealing plastic accumulator cover used in accumulators so called as maintenance-free accumulator having a secondary cover on the body cover and it is characterized in that it consists of at least one locking clamp located on the said secondary cover in order to provide fixing the said secondary cover onto the said body cover without use of welding and/or hot adhering, at least one clamp housing located on the said body cover and housing the said locking clamp, at least one sealing member located between the said secondary cover and the said body cover in order to provide inner and/or external sealing of the said secondary cover and the said body cover.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/09/2011** **1633/2011** **July 2013** **22/10/2013** **26409**

(51)	**Int. Cl.[8] C01B 15/02**
(71)	**1. THSSENKRUPP UHDE GMBH (GERMANY)** **2.** **3.**
(72)	**1. KIM, Ronald** **2. WORBERG, Rainer** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102009015270.9 – 01/04/2009** **2. (PCT/EP2010/000581) – 01/02/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) COKING PLANT WITH FLUE GAS RECIRCULATION

Patent Period Started From 01/02/2010 and Will end on 31/01/2030

(57) Process and apparatus for ensuring greater uniformity of the burn-up characteristics and for reducing the thermal nox emissions of a coking plant on the basis of the non-recovery process or the heat-recovery process using a multiplicity of furnaces, each having a furnace chamber delimited by doors and side walls for a bed of coal or a compacted coal cake and an empty chamber located above said furnace chamber, apparatuses for extracting the flue gas from the empty chamber, devices for supplying fresh air into the empty chamber, furthermore a system of sole flues for guiding flue gas or secondary feed air, which is integrated at least partially in the base underneath the furnace chamber, wherein some of the flue gas produced in the furnace is recirculated into the furnace chamber via openings or channels for the combustion process of the furnace.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/07/2008** **1149/2008** **May 2013** **22/10/2013** **26410**

(51)	**Int. Cl. [8] B65D 1/00**
(71)	**1. RICH CUP BIO-CHEMICAL TECHNOLOGY CO., LTD. (CHINA)** **2.** **3.**
(72)	**1. CHANG, Sheng-Shu** **2. SU, Hung-Ying** **3.**
(73)	**1.** **2.**
(30)	**1. (CN) 200610000640,8 – 10/01/2009** **2. (PCT/CN2006/003389) - 13/12/2006** **3.**
(74)	**Hesham Raouf Mahmoud**
(12)	**Patent**

(54) METHOD FOR PRODUCING PAPER OR PLASTIC CONTAINER OF HEAT INSULATION, HEAT PRESERVATION AND SCALD PREVENTION AND THE SAME CONTAINER OBTAINED THEREBY

Patent Period Started From 13/12/2006 and Will end on 12/12/2026

(57) A method for producing a paper or plastic container of heat insulation, heat preservation and scald prevention and the same container obtained thereby are disclosed. The method includes the following steps: agitating and mixing a liquid binder with a heat-resistant foamed particle powder prepare a composite coating; applying the composite coating onto a given area of a continuous paper strip, a plastics or a plastic container, and heating it, and then making the heated continuous paper strip or the plastics into a required shaped container according to the prior art. The properties of the inventive container include heal insulation, heat preservation and scald prevention and so on, so when the container contains a substance of higher temperature, a user's hand would not be scalded even if the user holds the container. The inventive method is applicable to prepare various paper or plastic containers, such as cups, bowls, dishes, fast food boxes and various packing containers. The obtained containers are of heat insulation, heat preservation and scald prevention.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/10/2010** **1752/2010** **July 2013** **22/10/2013** **26411**

(51)	**Int. Cl.** [8] **B01J 23/34 & C07C 231/06**	
(71)	**1. EVONIK RÖHM GMBH (GERMANY)** **2.** **3.**	
(72)	**1. MAY, Alexander** **2. VOGEL, Bernd** **3. SIEGERT, Hermann**	**4. GAUDSCHUN, Kurt-Alfred** **5. QUANDT, Thomas**
(73)	**1.** **2.**	
(30)	**1. (DE) 102008001319,6 – 22/04/2008** **2. (PCT/EP2009/052239) – 26/02/2009** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) CATALYST FOR REACTING CARBOXYLIC ACID NITRILES

Patent Period Started From 26/02/2009 and Will end on 25/02/2029

(57) The invention relates to a catalyst for reacting carboxylic acid nitriles with water, the catalyst comprising at least 60% by weight of manganese dioxide having the empirical formula mnox, wherein x is in the range of 1.7 to 2.0 and at least one plasticizer. The invention further relates to a method for producing the catalysts mentioned above and to a method for producing carboxylic acid amides by reacting carboxylic acid nitriles with water in the presence of the catalyst according to the invention.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/01/2010** **0002/2010** **July 2013** **22/10/2013** **26412**

(51)	**Int. Cl.[8] C04B 35/66 & F27D 1/16**
(71)	**1. FIB – SERVICES INTERNATIONAL S.A. (LUXEMBOURG)** **2.** **3.**
(72)	**1. DILORETO , OSVALDO** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (BE) 2007/0336 – 05/07/2007** **2. (PCT/EP2008/058563) – 03/07/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**DRY MIX FOR TREATING REFRACTORY SUBSTRATES AND PROCESS USING SAME**
	Patent Period Started From 03/07/2008 and Will end on 02/07/2028

(57) Dry mix for treating refractory substrates, comprising combustible particles of at least one oxidizable substance which, in the presence of oxygen, gives rise to an exothermic reaction, and particles of at least one other substance, wherein these particles form together, during said exothermic reaction, a coherent mass capable of adhering to and/or interacting with the treated substrate, characterized in that it comprises, as particles of at least one other substance, particles of at least one expanding substance, in that the dry mix without the particles of this at least one expanding substance has a first bulk density and in that the mix comprising said at least one expanding substance has a second bulk density lower than said first bulk density.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/11/2011** **1929/2011** **July 2013** **22/10/2013** **26413**

(51)	**Int. Cl.** [8] **E47B 21/00**	
(71)	**1. HALLIBURTON ENERGY SERVICES INC. (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. RODGERS, John** **2. SERRA, Marco** **3. SWENSON, David**	**4. GLENN, Timothy, S.**
(73)	**1.** **2.**	
(30)	**1. (US) PCT/US2010/061104 – 17/12/2010** **2.** **3.**	
(74)	**SAMAR AHMED EL LABBAD**	
(12)	**Patent**	

(54) MODELING SHOCK PRODUCED BY WELL PERFORATING

Patent Period Started From 17/12/2010 and Will end on 16/12/2030

(57) A method of utilizing a shock model for prediction of perforating effects can include recording measurements of the perforating effects on an actual perforating string in a wellbore, adjusting the shock model so that predictions of the perforating effects output by the shock model substantially match the measurements of the perforating effects, and causing the adjusted shock model to predict the perforating effects for a proposed perforating string. A method of predicting perforating effects on a perforating string in a wellbore can include inputting a three dimensional well model and a three dimensional model of the perforating string into a shock model, and causing the shock model to predict the perforating effects on the perforating string.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/02/2011** **0282/2011** **July 2013** **22/10/2013** **26414**

(51)	**Int. Cl.** [8] **B02C 15/00**
(71)	**1. FLSMIDTH A/S (DENMARK)** **2.** **3.**
(72)	**1. RITTLER, Stefan** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/EP2008/060991) – 22/08/2008** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) HEAVY-DUTY DRIVE ARRANGEMENT AND MILL DRIVEN BY THE SAME

Patent Period Started From 22/08/2008 and Will end on 21/08/2028

(57) The invention relates to a heavy-duty drive arrangement for a mill having a grinding bowl that can rotate about the vertical axis, said drive arrangement comprising housing, an electric motor and a gearbox arrangement disposed in the housing and supported on the housing. The grinding bowl can be driven by the electric motor by means of the gearbox arrangement. The electric motor is disposed below the gearbox arrangement. The electric motor is integrated in the housing. The electric motor is advantageously supported on the housing, particularly on a base element of the housing. The rotor can be connected directly, or by means of a clutch integrated in the rotor, to a wheel of the gearbox arrangement. The mill is, for example, a bowl-and-roller mill.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/11/2011** **1960/2011** **July 2013** **22/10/2013** **26415**

(51)	**Int. Cl.[8] C25B 11/04, 11/06**
(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) MI2009A000880 – 19/05/2009** **2. (PCT/EP2010/056797) – 18/05/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) CATHODE FOR ELECTROLYTIC PROCESSES

Patent Period Started From 18/05/2010 and Will end on 17/05/2030

(57) The invention relates to a cathode for electrolytic processes with evolution of hydrogen consisting of a metal substrate with a noble metal-based activation and two protective layers, one interposed between the activation and the substrate and one external, containing an electroless-depositable alloy an of a metal selected between nickel, cobalt and iron with a non-metal selected between phosphorus and boron, with the optional addition of a transition element selected between tungsten and rhenium.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/06/2011** **0905/2011** **June 2013** **22/10/2013** **26416**

(51)	**Int. Cl.** [8] **E21B 21/08**
(71)	**1. PRAD RESEARCH AND DEVELOPMENT LIMITED. (BRITISH VIRGIN ISLANDS)** **2.** **3.**
(72)	**1. SEHSAH, Ossama, Ramzi** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/326.925 – 03/12/2008** **2. (PCT/US2009/066422) – 02/12/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD FOR DETERMINING FORMATION INTEGRITY AND OPTIMUM DRILLING PARAMETERS DURING DRILLING

Patent Period Started From 02/12/2009 and Will end on 01/12/2029

(57) A method for determining formation integrity during drilling of a wellbore includes determining an annulus fluid pressure in a wellbore during drilling thereof. The annulus pressure is adjusted by a predetermined amount. Flow rate of drilling fluid into the wellbore is compared to drilling fluid flow rate out of the wellbore. At least one of a formation pore pressure and a formation fracture pressure is determined from the annulus pressure when the compared flow rates differ by a selected amount. The method alternatively to determining pore and/or fracture pressure includes determining a response of the wellbore to the adjusted fluid pressure and determining the optimum annulus fluid pressure from the wellbore response.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/01/2002** **0097/2002** **May 2013** **22/10/2013** **26417**

(51)	**Int. Cl.** [8] **A61L 24/10 & A61K 35/32**
(71)	**1. NYCOMED PHARMA AS (NORWAY)** **2.** **3.**
(72)	**1. STIMMEDER, Dagmar** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DK) PA 200100135 – 25/01/2001** **2. (DK) PA 200100235 – 13/02/2001** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**A METHOD OF PREPARING A COLLAGEN SPONGE HAVING IMPROVED PHYSICAL PROPERTIES FOR HEALING AND SEALING WOUNDS**
	Patent Period Started From 26/01/2002 and Will end on 25/01/2022

(57) A method of preparing a collagen sponge comprises mixing air into a collagen gel so as to obtain a collagen foam which is dried from the dried product thereby obtained collagen sponge is obtained by isolating parts of sponge with a chamber diameter of more than 0.75mm and less than 4mm or pats with an average chamber diagonal dimension of 3mm the collagen sponge may be used as a material for sealing wounds possibly with a coating comprising a fibrin glue such as a combination of fibringen thrombin and aprotinin a device for extracting a part of a collagen foam and for degenerating another part of the collagen foam to a collagen gel is disclosed an elongated collagen sponge having a through going hole or bore and a flexible wall may be used for re establlshing walls in a mammalian gastrointestinal funnel or trachea system.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/02/2008** **0255/2008** **July 2013** **23/10/2013** **26418**

(51)	**Int. Cl.** [8] **A61F 5/01**
(71)	**1. AHMED YAHIA EL HUSENY MAHMOOD RIZK (EGYPT)** **2.** **3.**
(72)	**1. AHMED YAHIA EL HUSENY MAHMOOD RIZK** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**AHMED YAHIA EL HUSENY MAHMOOD RIZK**
(12)	**Patent**

(54) ASSEMBLY OF EXPANDABLE CAGE AND PLATE USED FOR CORPECTOMY

Patent Period Started From 11/02/2008 and Will end on 10/02/2028

(57) Assembly consists of hollow cage with 4 quadrangular surfaces , vertebral plate and screws . Cage has 2 shields outer and inner can be expanded to different distances via telescopic sliding movement by distractor using the idea of rank and pinion . After expanding 2 part of cage , they are fixed by 2 screws pass through opening in outer shield to corresponding one in inner shield . Cage is of different lengths and different upper edge beveling angel , its walls have opening to intoduce bone graft inside the cage , to impact the graft by impactor , to fix of plate to cage and slots to allow contact between graft inside cage and vertebral bone . The surface directed to spinal canal is smooth and concave without opening or slots . The plate is fixed to vertebra body above and below by 2 screws in each . These 2 screws are locked by locking screw , then the plate is fixed to the outer shield of the cage by special screw . The tools only are needed for fixation , which are distractor , bone graft impactor and screwdriver All assembly is made from Medical titanium alloy .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/08/2011** **1356/2011** **July 2013** **23/10/2013** **26419**

(51)	**Int. Cl. [8] C01G 9/00**
(71)	**1. RED LEAF RESOURCES, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. DANA, Todd** **2. PATTEN, James, W.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/152,146 – 12/02/2009** **2. (PCT/US2010/023874) – 11/02/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHODS OF RECOVERING HYDROCARBONS FROM HYDROCARBONACEOUS MATERIAL USING A CONSTRUCTED INFRASTRUCTURE AND ASSOCIATED SYSTEMS MAINTAINED UNDER POSITIVE PRESSURE

Patent Period Started From 11/02/2010 and Will end on 10/02/2030

(57) A method of recovering hydrocarbons from hydrocarbonaceous materials can include forming a constructed permeability control infrastructure. This constructed infrastructure defines a substantially encapsulated volume. A comminuted hydrocarbonaceous material can be introduced into the control infrastructure to form a permeable body of hydrocarbonaceous material. The permeable body can be heated sufficient to remove hydrocarbons therefrom. During heating and removal of hydrocarbons and subsequent thereto a positive pressure can be maintained within the encapsulated volume by means of a non-oxidizing gas to expedite flushing of hydrocarbonaceous material, inhibit unwanted entry of oxygen into the encapsulated volume and remove recoverable hydrocarbons following the heating process.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/11/2010** **1974/2010** **July 2013** **23/10/2013** **26420**

(51)	**Int. Cl.[8] G05B 13/02**
(71)	**1. S.A.T.E. SOCIETE D' APPLICATIONS THERMIQUES EUROPEENNE (FRANCE)** **2.** **3.**
(72)	**1. MARTEL Jerome** **2. OBRIST Stephane** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 0958258DATE -23/11/2009** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD AND APPARATUS OF POWER SUPPLY REGULATION

Patent Period Started From 23/11/2010 and Will end on 22/11/2030

(57) A method of power supply regulation, namely for an electric accumulation water heater comprises regulation steps learning steps and correction steps of regulation parameters or regulation set points in accordance with said effected learning. An apparatus of power supply regulation comprises preferably a microcontroller.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/08/2011** **1352/2011** **July 2013** **23/10/2013** **26421**

(51)	**Int. Cl.** [8] **E21B 43/00**
(71)	**1. RED LEAF RESOURCES, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. PATTEN, James, W.** **2. DANA, Todd** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/152,152 – 12/02/2009** **2. (PCT/US2010/023399) – 05/02/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**VAPOR COLLECTION AND BARRIER SYSTEMS FOR ENCAPSULATED CONTROL INFRASTRUCTURES**
	Patent Period Started From 05/02/2010 and Will end on 04/02/2030

(57) A method of preventing egress of a vapor from an encapsulated volume can include forming a substantially impermeable vapor barrier along an inner surface of the encapsulated volume. The encapsulated volume includes a permeable body of comminuted hydro carbonaceous material. Further, the vapor barrier can include an insulating layer capable of maintaining a temperature gradient of at least 400° f across the insulating layer. The permeable body can be heated sufficient to liberate hydrocarbons there from and the hydrocarbons can be collected from the permeable body. The vapor barrier layer can be a single or multiple layer construction, depending on the specific materials chosen.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/12/2010** **2052/2010** **July 2013** **23/10/2013** **26422**

(51)	**Int. Cl.[8] F16K 17/16**
(71)	**1. FIKE CORPORATION (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. SHAW, Bon, F.** **2. STILWELL, Bradford, T.** **3. KREBILL, Michael, D.**
(73)	**1.** **2.**
(30)	**1. (US) 12/133,266 – 04/06/2008** **2. (PCT/US2009/043144) – 07/05/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) RUPTURE DISC WITH MACHINED LINE OF OPENING

Patent Period Started From 07/05/2009 and Will end on 06/05/2029

(57) A reverse acting rupture disc and methods of forming the same are provided. Generally, the rupture disc comprises a bulged portion and a circumscribing flange area surrounding the bulged portion. The bulged portion includes a mechanically formed line-of-opning recess comprising a singular vhannel. In certain embodiments, the mechauical procass by which the recess is formed utilizes a high-speed mill which removes a porion of metal from the bulged protion of the disc without disrupting the substantially uniform metallic grain structure of the metal adjacent the channel.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/05/2005** **PCT/NA2005/000260** **July 2013** **23/10/2013** **26423**

(51)	**Int. Cl.[8] F16L 15/06**
(71)	**1. HSC S.A.L. (LEBANON)** **2.** **3.**
(72)	**1. HIGNETT, Ian, Harold** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 0227603,8 – 27/11/2002** **2. (PCT/GB2003/005129) – 25/11/2033** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) IMPROVED CASING JOINTS

Patent Period Started From 25/11/2003 and Will end on 24/11/2023

(57) A screw-threaded joint for pipes comprises a first pipe length having a male screw-threaded portion at one end. A second pipe has at one end a female portion having a complementary screw-threaded portion. The pipe lengths are adapted to inter-engage along the greater part of the axial length of the threaded portions the screw threads thereof being inclined in the same direction and at an acute angle to the longitudinal axis of the pipe length. The male thread extends to a male stop shoulder adjacent a complementary stop shoulder on the other portion. The complementary stop shoulder has a recess in the form of a cone receiver having a rounded apex. A first conic surface, substantially parallel to the axis of the pipe of the conic stop shoulder of the male portion or of the cone receiver of the female portion, includes one or more curved portions.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/03/2009** **0383/2009** **May 2013** **23/10/2013** **26424**

(51)	**Int. Cl. [8] B60C 25/14**
(71)	**1. AL ASELY ESMEL ABOELYZED IBRAHM MAHMOD ABD ELRAHMAN AL ASELY** **2. (EGYPT)** **3.**
(72)	**1. AL ASELY ESMEL ABOELYZED IBRAHM MAHMOD ABD ELRAHMAN AL ASELY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**UTILITY MODEL**
(12)	**Patent**

(54)	**VESPA LIFT (JACK)**
	Patent Period Started From 22/03/2009 and Will end on 21/03/2016

(57) Brief description in arabic invention: is an easy portable new lift for vespa (Kind of motorcycles) it is not big in size and weight. It consists of two combined parts. The first group of there combined parts and the one consists of five combined parts. Changing vespa wheels.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/08/2011** **1355/2011** **July 2013** **24/10/2013** **26425**

(51)	**Int. Cl. [8] C01G 9/00**
(71)	**1. RED LEAF RESOURCES, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. DANA, Todd** **2. PATTEN, James, W.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/152,157 – 12/02/2009** **2. (PCT/US2010/023515) – 08/02/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**INTERMEDIATE VAPOR COLLECTION WITHIN ENCAPSULATED CONTROL INFRASTRUCTURES**
	Patent Period Started From 08/02/2010 and Will end on 07/02/2030

(57) A method of recovering hydrocarbons from hydrocarbonaceous materials can include forming a constructed permeability control infrastructure. This constructed infrastructure defines a substantially encapsulated volume. A mined hydrocarbonaceous material can be introduced into the control infrastructure to form a permeable body of hydrocarbonaceous material. The permeable body can be heated sufficient to remove hydrocarbons therefrom. Hydrocarbon products can be collected from intermediate locations within the permeable body. Advantageously, an intermediate fluid collection system can be used to draw a hydrocarbon product from the permeable body at preselected locations. Such intermediate collection can provide hydrocarbon product fractions which can reduce or eliminate the need for full-scale distillation of a hydrocarbon product having a full range of products such as that typically found in crude oil. In addition, product quality can be tailored by monitoring such intermediate draws and adjusting operating parameters accordingly.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/09/2007** **PCT/NA2007/000975** **July 2013** **24/10/2013** **26426**

(51)	**Int. Cl.[8] B24B 7/18 & B24D 11/00 , 13/14 & A47L 13/16**
(71)	**1. HTC SWEDEN AB (SWEDEN)** **2.** **3.**
(72)	**1. THYSELL, Hakan** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 11/079.081 – 15/03/2005** **2. (EP) 05005570.6 - 15/03/2005** **3. (PCT/EP2005/012360 – 16/11/2005**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHODS AND TOOL FOR THE TREATMENT OF SURFACE WITH A FLEXIBLE PAD

Patent Period Started From 16/11/2005 and Will end on 15/11/2025

(57) A method is disclosed for treating or maintaining a hard surface comprising a stone or stone-like material, the method comprising treatment of the surface with a flexible pad, in the presence of abrasive particles, bonded to the pad, on a contact surface between the pad and the hard surface, wherein the abrasive particles comprise diamond particles, and the treatment is performed in the absence of an effective amount of crystallization agent on the contact surface. The treatment is performed on a substantially regular basis, such as daily, weekly or monthly, and the treatment is performed using a pad comprising an open, lofty, three dimensional non-woven webs of fibers. A tool for use in the method is also provided, as well as a floor-surfacing machine comprising such a tool and a method for manufacturing such a tool. Furthermore, methods for treating or maintaining hard, smooth surfaces such as wood, polymer material, lacquer, linoleum, gelcoat, glass and automotive enamel are disclosed.

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)**	**26/10/2011** **1811/2011** **July 2013** **24/10/2013** **26427**

(51)	**Int. Cl.** [8] **A24D 3/14, 3/16**
(71)	**1. SZOLLSI, Peter (HUNGARY)** **2. CSÁNYI, Jen (HUNGARY)** **3. SZARVAS, Tibor (HUNGARY)**
(72)	**1. SZARVAS, Tibor (HUNGARY)** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/HU2009/000041) 30/04/2009** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**CIGARETTE FILTER**
	Patent Period Started From 30/04/2009 and Will end on 29/04/2029

(57) The invention relates to a special, highly efficient cigarette filter. In particular, the invention relates to a new cigarette filter, in which materials of natural origin not used before in this special field are applied. More particularly, the present invention relates to a special, highly efficient cigarette filter, which can be used favorably for adsorbing the toxic components of the cigarette smoke, and neutralizing the free radicals produced during burning of the cigarette.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/12/2009** **1805/2009** **July 2013** **24/10/2013** **26428**

(51)	**Int. Cl.[8] C08K3/00 , 3/32**
(71)	**1. MEGY, JOSEPH , A (UNITED STATES OF AMERICA) ,** **2.** **3.**
(72)	**1. MEGY, Joseph , A,** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/US2007/013834) – 13/06/2007** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PHOSPOHOROUS PENTOXIDE PRODUCING METHODS

Patent Period Started From 13/06/2007 and Will end on 12/06/2027

(57) A phosphorous pentoxide producing method includes forming a kiln bed using feed agglomerates with a calcium-to-silica mole ratio of less than 1.0 and maintaining a bed temperature at or above 1180 °c along at least 50% of the bed length without exceeding 1380 °c along the entire bed length. Less than 10% of the agglomerates" phosphate input to the kiln remains in the kiln residue as phosphate. Another method includes maintaining a bed temperature at or above 1180 °c along a portion of the bed length and establishing a bed surface-to-volume ratio multiplied by a time for bed heat up to 1180 °c of less than 50 minutes-ft^2/ft^3.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/11/2004** **0482/2004** **August 2013** **27/10/2013** **26429**

(51)	**Int. Cl.[8] A01C 15/00 & C05G 3/00**
(71)	**1. DR. AHMED ABOU EL YAZIED AHMED ABDEL HAFEZ (EGYPT)** **2.** **3.**
(72)	**1. DR. AHMED ABOU EL YAZIED AHMED ABDEL HAFEZ** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MR. AYMAN AHMED MAHER**
(12)	**Patent**

(54) IMPROVING THE EFFICIENCY OF BIOFERTILED ROCK PHOSPHATE AS A SOURCE OF NATURAL PHOSPHATE FERTILIZER BY USING SOME NATURAL AND ORGANIC ADDITIVES

Patent Period Started From 22/11/2004 and Will end on 21/11/2024

(57) First we use a mixture from naturally blended phosphates (as a phosphate fertilizer) and phosphate solubilizing bacteria (bacillus spp.) As a phosphate dissolving organism which processes the ability to transform insoluble phosphates in the rock phosphate into soluble forms this is aclived by secreting of organic acids (such as acetic and lactic acid) using natural or fertilizer, which will be recommended for the organic and natural agricultural system as replacement of for chemical phosphate fertilizer.

Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office	EG	(22) 01/12/2010 (21) 2028/2010 (44) June 2013 (45) 27/10/2013 (11) 26430

(51)	Int. Cl. [8] A61F 13/496, 13/15, 13/49, 13/56
(71)	1. UNI-CHARM CORPORATION (JAPAN) 2. 3.
(72)	1. KINOSHITA, Akiyoshi 2. KENMOCHI, Yasuhiko 3.
(73)	1. 2.
(30)	1. (JP) 2008-146312 – 03/06/2008 2. (PCT/JP2009/057869) - 20/04/2009 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

(54) PANTS-SHAPED WEARING ARTICLE AND METHOD OF MANUFACTURING THE SAME

Patent Period Started From 20/04/2009 and Will end on 19/04/2029

(57) A pants-shaped wearing article wherein fasteners mounted to non-elastic regions of diaper side edges can be easily operated. A pants-shaped wearing article is formed by separably engaging with each other front fasteners at side edges of a front waist region and rear fasteners at side edges of a rear waist region. In the side edges, elastic members extending in a stretched state in a waist direction are cut at portions, which are located in a longitudinal direction, to form first front non-elastic regions and first rear non-elastic 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)**	**04/02/2010** **0190/2010** **May 2013** **27/10/2013** **26431**

(51)	**Int. Cl. [8] A61L 9/20**
(71)	**1. LEE ANTIMICROBIAL SOLUTIONS LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. LEE , James , D.** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/954.566 – 07/08/2007** **2. (US) 61/031.580 - 26/02/2008** **3. (PCT/US2008/072454) – 07/08/2008**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**A METHOD AND A DEVICE FOR PRODUCING A PURIFIED HYDROGEN PEROXIDE GAS TO PROVIDE MICROBIAL CONTROL**
	Patent Period Started From 07/08/2008 and Will end on 06/08/2028

(57) The present invention relates to methods and devices for providing microbial control and/or disinfection/remediation of an environment. The methods generally comprise: generating a Purified Hydrogen Peroxide Gas (PHPG) that is substantially free of, e.g., hydration, ozone, plasma species, and/or organic species; and directing the gas comprising primarily PHPG into the environment such that the PHPG acts to provide microbial control and/or disinfection/remediation in the environment, preferably both on surfaces and in the air. The vaporous hydrogen peroxide is generated from oxygen and water of the ambient air. Further, a diffuser apparatus for producing PHPG is disclosed, the latter comprising a source of ultraviolet light; a metal or metal oxide photo catalyst (e.g. TiO2), catalyst substrate structure; and an air distribution mechanism, wherein the morphology of the catalyst on its substrate is a thin, sail-like air-permeable structure, situated perpendicular to air flow through the diffuser apparatus; and wherein said morphology is supposed to alter the reaction equilibrium of the catalyst such that it produces hydrogen peroxide from both the oxidation of water and from the reduction of dioxygen.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/12/2005** **PCT/NA2005/000874** **May 2013** **27/10/2013** **26432**

(51)	**Int. Cl. [8] F24J 2/36**
(71)	**1. SOLAR HEAT AND POWER PTY LTD (AUSTRALIA)** **2.** **3.**
(72)	**1. LE LIEVRE, Peter** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (AU) 2003903341 – 01/07/2003** **2. (PCT/AU2004/000884) – 01/07/2004** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) CARRIER FOR A SOLAR ENERGY REFLECTOR ELEMENT

Patent Period Started From 01/07/2004 and Will end on 30/06/2024

(57) A reflector element carrier structure is disclosed for use in a solar energy reflector system. The structure comprises a reflector element, a corrugated platform which carries the reflector element and a skeletal frame structure which supports the platform. The frame structure comprises hoop-like end members that are supported by rollers and the rollers accommodate turning of the carrier structure about an axis of rotation that lies substantially coincident with a longitudinal axis of the reflector element. The combination of the corrugated platform, the frame structure and the hoop-like end members of the frame structure provide the carrier structure with a torsional stability that permits the application of turning drive from one end of the structure.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/01/2012** **0112/2012** **June 2013** **27/10/2013** **26433**

(51)	**Int. Cl. [8] A23K 1/17, 1/18, 1/16 & A01N 31/00**
(71)	**1. ANITOX CORPORATION (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. RICHARDSON, Kurt** **2. PIMENTEL, Julio** **3. WILSON, James, D.**
(73)	**1.** **2.**
(30)	**1. (US) 61/231,930 – 06/08/2009** **2. (PCT/US2010/044305) – 03/08/2010** **3.**
(74)	**MR. MAHMOUD ABD EL HAMED. MR. AHMED MOHAMED FATHY ELSAYED ALASHRY**
(12)	**Patent**

(54)	**WATER AND FEED PRESERVATIVE**
	Patent Period Started From 03/08/2010 and Will end on 02/08/2030

(57) Antimicrobial compositions containing buffered prop ionic or acetic acid mixed with pedagogic acid.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/01/2011** **0120/2011** **May 2013** **27/10/2013** **26434**

(51)	**Int. Cl. [8] H01R 13/53 & H02G 5/06**
(71)	**1. SIEMENS AKTIENGESELLSCHAFT (GERMANY)** **2.** **3.**
(72)	**1. DAMBIETZ, Hans-Peter** **2. GÄNSE, Steffen** **3. SONDHAUSS, Stephan**
(73)	**1.** **2.**
(30)	**1. (DE) 102008034822.8 – 23/07/2008** **2. (PCT/US2009/059300) – 20/07/2009** **3.**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54) COUPLING CONTACT PIECE

Patent Period Started From 20/07/2009 and Will end on 19/07/2029

(57) The invention relates to a coupling contact piece which comprises a first and a second coupling contact section. Said coupling contact sections are interlinked via a center section. Said center section has a reduction zone, said reduction zone having a tapering peripheral surface. Said peripheral surface has at least one trough-shaped structure.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/01/2010** **0140/2010** **August 2013** **28/10/2013** **26435**

(51)	**Int. Cl. [8] C02F 1/22 & G21C 15/00**
(71)	**1. NASR KASEM AHMED DIAB (EGYPT)** **2.** **3.**
(72)	**1. NASR KASEM AHMED DIAB** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**AN APPARATUS FOR COOLING WATER AND SAVING ENERGY**
	Patent Period Started From 26/01/2010 and Will end on 25/01/2030

(57) This invention relates to an apparatus for cooling water safely and healthy and without the pollution of the water. Therefore, the human can benefit when it used in summer without diseases and pollution. On other hand and as general it is for saving the energy which all the world countries suffer from the more use of the energy and the Ozone Zone . The apparatus is a system for direct cooling water without tanks as it is in the prior art.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/06/2011** **0957/2011** **July 2013** **28/10/2013** **26436**

(51)	**Int. Cl. [8] E04C 2/54 & E04B 2/02 & B28B 23/00**
(71)	**1. ITAL-CEMENTI S.P.A (ITALY)** **2.** **3.**
(72)	**1. CANGIANO, Stefano** **2. CARMINTI, Aronne** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) MI2008A002190 – 11/12/2008** **2. (PCT/EP2009/066813) – 10/12/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) COMPOSITE PANEL MADE FROM CEMENTITIOUS MORTAR WITH PROPERTIES OF TRANSPARENCY

Patent Period Started From 10/12/2009 and Will end on 09/12/2029

(57) The present invention relates to a composite panel made from cementitious mortar characterized in that a plurality of openings pass through its complete width, each of which is filled with a transparent to light material. The invention also relates to methods for producing this panel.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/11/2011** **1890/2011** **May 2013** **28/10/2013** **26437**

(51)	**Int. Cl.** [8] **A47J 37/06**
(71)	**1. EKSEN MAKINE SANAYI VE TICARET A.S. (TURKEY)** **2.** **3.**
(72)	**1. TAHINCIOGLU BESIM** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 09159686,6 – 07/05/2009** **2. (PCT/EP2005/056218) – 06/05/2010** **3.**
(74)	**ABDEL HADI FOR INTELLECTUAL PROPERTY**
(12)	**Patent**

(54)	**TOASTING APPARATUS WITH A HANDLE HAVING PREDETERMINED LOCKING POSITIONS**
	Patent Period Started From 06/05/2010 and Will end on 05/05/2030

(57) The present invention proposes a toaster appliance in which an upper grilling plate is typically hinged to the lower grilling plate in a manner to be rotatable relative to said lower plate. The position of said upper plate relative to said lower plate is conventionally adjusted by means of a handle having predetermined locking positions according to the present invention. Said handle is provided with a connection device having a predetermined locking position, which is set to a perpendicular position of said upper plate relative to said lower plate. Said locking position is determined by a plurality of slots into which a set of spring loaded balls engages within said connection 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)**	**13/04/2008** **0599/2008** **May 2013** **28/10/2013** **26438**

(51)	**Int. Cl.** [8] **C01L 3/10, 3/00**
(71)	**1. ARKEMA FRANCE (FRANCE)** **2.** **3.**
(72)	**1. CHARLES, Patrick** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 0510362 – 11/010/2005** **2. (US) 60/740,483 – 29/11/2005** **3. (PCT/FR2006/051015) – 10/10/2006**
(74)	**ABDEL HADI FOR INTELLECTUAL PROPERTY**
(12)	**Patent**

(54) ODORANT MIXTURE FOR ODORLESS GAS FUEL

Patent Period Started From 10/10/2006 and Will end on 09/10/2026

(57) The invention concerns a composition for use in particular as odorant of a gas fuel, more particularly of natural gas, comprising: 0.1 to 49.9 particles by weight of at least one alkyl sulphur (I) of formula: R1-S-R2, wherein R1 and R2, identical or different, represent: an alkyl radical comprising 1 to 4 carbon atoms; or R1 and R2 together with the sulphur atom to which they are bound represent a saturated or unsaturated ring including 3 to 5 carbon atoms, optionally substituted by a C1-C4 alkyl or C1-C4 alkenyl; 50 to 99.8 parts by weight of at least two alkyl acrylates (II) the alkyl radicals of which comprise 1 to 12 carbon atoms, preferably 1 to 8; 0.001 parts by weight of at least one compound (III) inhibiting polymerization of the alkyl acrylates (II).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/07/2009** **1053/2009** **August 2013** **28/10/2013** **26439**

(51)	**Int. Cl.[8] C02F 103/06 , 5/12 , 9/04**
(71)	**1. EGYPTIAN PETROLEUM RESEARCH INSTITUTE (EGYPT)** **2.** **3.**
(72)	**1. PROF. DR. ISMAIL ABD EL-RHMAN ABD EL RAHIM AIAD** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**A METHOD FOR PREPARING BIOCIDE FROM TOW COMPLETE FORMULATION FOR KILLING THE SULFATE REDUCING BACTERIA IN OIL FIELD**
	Patent Period Started From 07/07/2009 and Will end on 06/07/2029

(57) Our invention is related to a method for prepare biocide from two complementary formulations (A&B) for killing the sulfate reducing bacteria in infected oil fields.

The biocide (A) is prepared from reaction of Gluteraldehyde and mono ethanol amine, and Schiff base compounds, with some cationic surfactant compounds for increasing its efficiency.

The biocide (B) is prepared from reaction of the mineral salts ex cupper sulfate and iron chloride with cationic surfactant compounds.

Also we added for the two formulas, non ionic surfactants and organic solvents to help in mixing, homogeneity and increase the efficiency of the two products.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/04/2010** **620/2010** **August 2013** **31/10/2013** **26440**

(51)	**Int. Cl.** [8] **E04C 3/38**
(71)	**1. GOSSAMER SPACE FRAMES (UNITED STATES OF AMERICA) ,** **2.** **3.**
(72)	**1. REYNOLDS , Glenn , Alan** **2. HACKBARTH , Dean , Robert** **3. CURTIS , Gary , Noble**
(73)	**1.** **2.**
(30)	**1. (US) 60/999,833 – 18/10/2007** **2. (PCT/US2008/080550) – 20/10/2008** **3.**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54)	**MINI-TRUSS THIN-SHEET PANEL ASSEMBLY**
	Patent Period Started From 20/10/2008 and Will end on 19/10/2028

(57) A mini-truss thin-sheet panel assembly. In one embodiment, a substantially rigid thin-sheet panel assembly having a non-rigid thin-sheet component includes the thin-sheet component which has selected plan area and shape, a backer having a plan shape and area substantially similar to the thin-sheet component, and plural riser elements of selected height and configuration each extending from the backer to distal ends connected to a reverse surface of the thin- sheet component, the riser elements being configured and disposed in an array which causes the assembly to have substantial rigidity in a selected direction in the thin- sheet component.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/08/2011** **1434/2011** **August 2013** **31/10/2013** **26441**

(51)	**Int. Cl.[8] B26B 19/06**
(71)	**1. THE GILLETTE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. RONNEBERG, Gerrit** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/156.928 – 03/03/2009** **2. (PCT/US2010/026021) – 03/03/2010** **3.**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54) COMBINATION POWERED GROOMING DEVICE

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

(57) A combination powered grooming device comprising a handle and a grooming attachment. The handle has a longitudinal axis extending between an upper end and a lower end. The handle comprises a trimmer assembly disposed adjacent the upper end and the trimmer assembly includes at least one moving blade. The handle further comprises an electrical arrangement disposed therein. The electrical arrangement comprises a motor having a drive shaft and a drive mechanism coupled to the drive shaft and to the trimmer assembly. In a trimming mode, the drive mechanism translates movement of the drive shaft to the moving blade. The grooming attachment is adapted for mounting onto the upper end.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/09/2011** **1607/2011** **August 2013** **31/10/2013** **26442**

(51)	**Int. Cl.** [8] **A61F 13/15 & B32B 3/24, 5/02, 27/12**	
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. CURRO, John, Joseph** **2. HAMMONS, John, Lee** **3. HOYING, Jody, Lynn**	**4. LLOYD, Susan, Nicole** **5. TURNER, Robert, Haines**
(73)	**1.** **2.**	
(30)	**1. (US) 12/415.140 – 31/03/2009** **2. (PCT/US2010/028458) – 24/03/2010** **3.**	
(74)	**HODA SERAG EL DEEN**	
(12)	**Patent**	

(54) CAPPED TUFTED LAMINATE WEB

Patent Period Started From 24/03/2010 and Will end on 23/03/2030

(57) A laminate web having a nonwoven web in facing relationship with a polymer film. The laminate web has a first side comprising the polymer film and a plurality of discrete tufts including fibers integral with and extending from the nonwoven web. Each of the tufts has a tuft base proximal to the nonwoven web and a distal portion opposing the tuft base. At least part of the distal portion of each of the tufts is covered by a cap, each cap being an integral extension of said polymer film extending over the distal portion of a discrete tuft. The cap has a first opening including a location of rupture in the polymer film above which the tuft extends.

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

GRANTED PATENTS' ABSTRACTS GAZETTE

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Issue No 211 **DECEMBER 2013**

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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

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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
November (2013)

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** **PCT/NA2007/000948** **July 2013** **06/11/2013** **26443**

(51)	**Int. Cl.[8] C25B 11/04 & C25C 7/02, 1/12**
(71)	**1. XSTRATA QUEENSLAND LIMITED.(AUSTRALIA)** **2.** **3.**
(72)	**1. WEBB, Wayne, Keith** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (AU) 2005901127 – 09/03/2005** **2. (PCT/AU2006/000312) – 09/03/2006** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) STAINLESS STEEL ELECTROLYTIC PLATES

Patent Period Started From 09/03/2006 and Will end on 08/03/2026

(57) There is provided a substantially permanent stainless steel cathode plate (1) suitable for use in electro refining of metal cathodes, the cathode being composed of a low-nickel duplex steel or a lower grade '304' steel, wherein operational adherence of an electrode position thereon is enabled by altering various qualities of the cathode surface. There is also provided a method of producing the above duplex or Grade 304 cathode plates, such that the desired operational adherence of the deposit upon the plate is not so strong as to prevent the metal deposit being removed during subsequent handling.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/05/2011** **0707/2011** **August 2013** **06/11/2013** **26444**

(51)	**Int. Cl. [8] G06G 7/48**
(71)	**1. LANDMARK GRAPHICS CORPORATION, A HALLIBURTON COMPANY (UNITED** **2. STATES OF AMERICA)** **3.**
(72)	**1. SHI, Genbao** **2. CHAMBERS, Richards, L.** **3. YARUS, Jeffrey, M.**
(73)	**1.** **2.**
(30)	**1. (US) 06/112,314 – 07/11/2008** **2. (PCT/US2009/062042) –26/10/2009** **3.**
(74)	**WAGDY NABEH AZIZ**
(12)	**Patent**

(54)	**SYSTEMS AND METHODS FOR COMPUTING AND VALIDATING A VARIOGRAM MODEL**
	Patent Period Started From 26/10/2009 and Will end on 25/10/2029

(57) Systems and methods for computing a variogram model, which utilize a variogram map and a rose diagram to compute the variogram model. The variogram model may be validated in real-time to provide immediate feedback without the need to interpolate or simulate the real data.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/09/2011** **1571/2011** **August 2013** **07/11/2013** **26445**

(51)	**Int. Cl. [8] E21B 17/10**
(71)	**1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. CORONADO, Martin, P.** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/163,325 – 25/03/2009** **2. (PCT/AU2010/028471) – 24/03/2010** **3.**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54) CONTROL LINE RETENTION AND METHOD FOR RETAINING CONTROL LINE

Patent Period Started From 24/03/2010 and Will end on 23/03/2030

(57) A line retention system includes a positionally fixed retainer having one or more recesses therein that are receptive to one or more lines. The system further includes one or more spline recesses in the positionally fixed retainer receptive to one or more position splines and one or more position splines that are receivable in the one or more spline recesses. A method for retaining one or more lines is included.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/08/2005** **PCT/NA2005/000479** **June 2013** **07/11/2013** **26446**

(51)	**Int. Cl. [8] A61k 39/00, 39/385, 47/48**
(71)	**1. CENTRO DE INMUNOLOGIA MOLECULAR (CUBA)** **2.** **3.**
(72)	**1. FERNANDEZ MOLINA, Luis, Enrique** **2. MESA PARDILLO, Circe** **3.**
(73)	**1.** **2.**
(30)	**1. (CU) 47-2003 – 27/02/2003** **2. (PCT/CU2004/000003) – 27/02/2004** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) ADJUVANT-FREE GANGLIOSIDE-BASED VACCINE COMPOSITIONS FOR SUBCUTANEOUS ADMINISTERED

Patent Period Started From 27/02/2004 and Will end on 26/02/2024

(57) The invention relates to vaccine compositions which combine gangliosides and the N. meningitidis outer membrane protein complex (OMPC) in order to form very small size proteoliposomes (VSSP) which are intended for subcutaneous administration. The inventive compositions do not require the use of additional adjuvants. Said compositions enable immunological treatments with gangliosides, particularly N-AcGM3/VSSP and N-GcGM3/VSSP, which are advantageous owing to the fact that they are less aggressive at the point of injection and can be used more easily with less discomfort for patients.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/11/2009** **1715/2009** **June 2013** **10/11/2013** **26447**

(51)	**Int. Cl. [8] E02B 3/12**
(71)	**1. GOLDEN-POW CO., LTD (KOREA)** **2.** **3.**
(72)	**1. SHIM, Jin Sup** **2. YUU, Jung JO** **3.**
(73)	**1.** **2.**
(30)	**1. (KR) 10-2007-0134077 – 20/12/2007** **2. (PCT/KR2008/004565) – 06/08/2008** **3.**
(74)	**AYMAN MAHMOUD MOHAMED**
(12)	**Patent**

(54) CELLULAR REINFORCEMENT FOR SOIL PARTICLE CONFINEMENT

Patent Period Started From 06/08/2008 and Will end on 05/08/2028

(57) A cellular reinforcement for soil particle confinement. Transverse reinforcement cords and longitudinal reinforcement cords are interlaced with each other to form a netlike sheet having openings of a preset size, and after fusion-welding the sheets formed in this way at regular intervals in a widthwise direction, by pulling a resultant structure in both directions, a plurality of honeycombed cell nets 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)**	**20/01/2009** **0092/2009** **June 2013** **10/11/2013** **26448**

(51)	**Int. Cl.[8] C21C 5/00, 5/52**
(71)	**1. RIZK ELSAYED HASSAN RIZK (EGYPT)** **2.** **3.**
(72)	**1. RIZK ELSAYED HASSAN RIZK** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**A MEHOD FOR TRANSFERRING THE FLAT STEEL INTO SQUARES 5OX 50 MM**
	Patent Period Started From 20/01/2009 and Will end on 19/01/2029

(57) The patent is making billet smaller 50 × 50 mm instead of 130 × 130 mm through longitudinal cutting steel slap by stand has torch lambs up and down on the same line, the distance between each lamb and the other is 50mm the down lambs has slop angle 60, the squares will be separated from each other then the squares will pass through stand has up roller and other down with a certain shape to not make the edges sharp and jagged and enter them to rolling mill to get the final product using 4 stands instead of 16.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/08/2011** **1358/2011** **August 2013** **12/11/2013** **26449**

(51)	**Int. Cl. [8] C10G 21/00**
(71)	**1. RED LEAF RESOURCES, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. PATTEN, James, W.** **2. DANA, Todd** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/152.207 – 12/02/2009** **2. (PCT/US2010/023763) – 10/02/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHODS OF RECOVERING MINERALS FROM HYDROCARBONACEOUS MATERIAL USING A CONSTRUCTED INFRASTRUCTURE AND ASSOCIATED SYSTEMS**
	Patent Period Started From 10/02/2010 and Will end on 09/02/2030

(57) A method of recovering minerals from hydro carbonaceous materials can include forming a constructed permeability control infrastructure. This constructed infrastructure defines a substantially encapsulated volume. A comminuted hydro carbonaceous material can be introduced into the control infrastructure to form a permeable body of hydro carbonaceous material. The permeable body can be contacted with an agent sufficient to remove minerals there from. The agent is typically a solution containing a solvent, lea chant, chelating agent and the like via which minerals can be removed having value, toxic minerals, radioactive minerals and 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)**	**11/08/2011** **1357/2011** **August 2013** **12/11/2013** **26450**

(51)	**Int. Cl.** [8] **E21B 43/00**
(71)	**1. RED LEAF RESOURCES, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. PATTEN, James, W.** **2. DANA, Todd** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/152.180 – 12/02/2009** **2. (PCT/US2010/023927) – 11/02/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) ARTICULATED CONDUIT LINKAGE SYSTEM

Patent Period Started From 11/02/2010 and Will end on 10/02/2030

(57) An articulating conduit linkage system for maintaining a fluid connection between a fluid source and displaceable conduit that has been buried in a subsiding permeable body. A fluid source can supply a working fluid through a source outlet, and which is located outside of the boundaries of the permeable body. A displaceable conduit can receive the working fluid through a conduit inlet, and be buried at a depth within a subsiding permeable body that is contained within a permeability control infrastructure. A plurality of articulating conduit segments can comprise: an outer conduit segment that is operably coupled to the source outlet with a first single-axis swivel joint, an inner conduit segment that is operably coupled to the conduit inlet with a second single-axis swivel joint, and at least one middle conduit segment that operably connects the outer and inner segments, respectively, with at least one single-axis swivel joint to establish a working fluid connection between the fluid source and the displaceable conduit. In the event of a subsidence of the permeable body which causes a relative displacement between the source outlet and the conduit inlet that is perpendicular to the longitudinal axes of both the outlet and the inlet, the plurality of articulating conduit segments are configured so the outer and inner conduit segments rotate in opposite directions to extend the conduit linkage system while maintaining a working fluid connection between the source outlet and the conduit inlet.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/08/2011** **1359/2011** **August 2013** **12/11/2013** **26451**

(51)	**Int. Cl.[8] C10G 29/04**
(71)	**1. RED LEAF RESOURCES, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. DANA, Todd** **2. PATTEN, James, W.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/152.220 – 12/02/2009** **2. (PCT/US2010/023740) – 10/02/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) CARBON MANAGEMENT AND SEQUESTRATION FROM ENCAPSULATED CONTROL INFRASTRUCTURES

Patent Period Started From 10/02/2010 and Will end on 09/02/2030

(57) A method of sequestering carbon dioxide emissions during recovery of hydrocarbons from hydrocarbonaceous materials can include forming a constructed permeability control infrastructure. This constructed infrastructure defines a substantially encapsulated volume. A comminuted hydrocarbonaceous material can be introduced into the control infrastructure to form a permeable body of hydrocarbonaceous material. The permeable body can be heated sufficient to remove hydrocarbons there from. During heating, the hydrocarbonaceous material is substantially stationary as the constructed infrastructure is a fixed structure. Additionally, during heating, any carbon dioxide that is produced can be sequestered. Removed hydrocarbons can be collected for further processing, use in the process, and/or use as recovered.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/08/2011** **1354/2011** **August 2013** **12/11/2013** **26452**

(51)	**Int. Cl.** [8] **E21B 43/00**
(71)	**1. RED LEAF RESOURCES, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. DANA, Todd** **2. PATTEN, James, W.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/152.150 – 12/02/2009** **2. (PCT/US2010/023935) – 11/02/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**CORRUGATED HEATING CONDUIT AND METHOD OF USING IN THERMAL EXPANSION AND SUBSIDENCE MITIGATION**
	Patent Period Started From 11/02/2010 and Will end on 10/02/2030

(57) A method of maintaining the structural integrity of heating conduit used to heat a permeable body of hydro carbonaceous material enclosed within a constructed permeability control infrastructure. The method includes obtaining a heating conduit with corrugated walls and configured for transporting a heat transfer fluid, burying the heating conduit at a depth within the permeable body of hydro carbonaceous material and with an inlet end extending from the boundary of the constructed permeability control infrastructure, operably coupling the inlet end of the heating conduit to a heat source of the heat transfer fluid, and passing the heat transfer fluid through the heating conduit to transfer heat from the heat transfer fluid to the permeable body, with the corrugations in the corrugated walls mitigating longitudinal axis thermal expansion of the heating conduit and allowing the heating conduit to conformably bend in response to subsidence of the permeable body.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/06/2011** **1062/2011** **August 2013** **12/11/2013** **26453**

(51)	**Int. Cl. [8] C10B 15/02, 45/00 & F01K 3/18 & F22B 1/18**
(71)	**1. THYSSENKRUPP UHDE GMBH (GERMANY)** **2.** **3.**
(72)	**1. KIM, Ronald** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102008064209.6 – 22/12/2008** **2. (PCT/KR2009/009103) – 18/12/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHOD FOR CYCLICALLY OPERATING COKE OVEN BANKS FROM "HEAT RECOVERY" COKE OVEN CHAMBERS**
	Patent Period Started From 18/12/2009 and Will end on 17/12/2029

(57) The invention relates to a method for cyclically operating a coke oven device, wherein said device comprises an even number of coke oven banks, each in turn comprising an even number of coke oven chambers. Boiler devices are connected downstream of the coke oven banks, driving turbines using the hot exhaust gases from the coke oven banks. Energy is obtained in this manner. The coke oven chambers are cleared and filled in a precisely defined cycle, so that the production of hot exhaust gas can be homogenized over time.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/05/2009** **0695/2009** **July 2013** **12/11/2013** **26454**

(51)	**Int. Cl.** [8] **B41M 3/14, C09D 11/00, G07D 7/00**
(71)	**1. SELVA, CLAUDIO (ITALY)** **2.** **3.**
(72)	**1. SELVA, CLAUDIO** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) 2006A000010 – 16/11/2006** **2. (IT) 2006A000013 – 04/12/2006** **3. (IT) 2007A000002 – 21/02/2007** **4. (PCT/IT2007/000809) – 16/11/2007**
(74)	**GEORGE AZIZ**
(12)	**Patent**

(54) A UNIQUE MARKING METHOD FOR RECOGNIZING FAKE (COUNTERFEIT) DOCUMENTS, ITS RESISTANCE TO SEVERAL PRODUCTS AND AN INVENTIVE INK FOR IMPLEMENTING SUCH A METHOD

Patent Period Started From 16/11/2007 and Will end on 15/11/2027

(57) This invention relates to a unique marking method for recognizing and denying fake documents and material, thereby it is applied to several products using an innovative ink. The said ink is characterized by being formulated with a suitable vehicle wherein micro-dropq are homogenized with micro-particles of various natures. The components are dispersed in such a suitable vehicle during the printing process under the influence of compression. Thus, color and/or florescent and/or phosphorescent and/or reflective stais or patches suitably form. The said products form an original and distinctive map respective to size; format and random distribution over the printing area providing possible remapping that may display uniqueness and impossibility of re-construction of the same even under random structuring.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/04/2011** **0561/2011** **August 2013** **12/11/2013** **26455**

(51)	**Int. Cl.[8] F04D 17/04 & B29C 45/26 & B29L 31/08**
(71)	**1. SHARP KABUSHIKI KAISHA (JAPAN)** **2.** **3.**
(72)	**1. Shiraichi, Yukishige** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 2008-272255 – 22/10/2008** **2. (PCT/JP2009/067658) – 09/10/2009** **3.**
(74)	**GEORGE AZIZ**
(12)	**Patent**

(54) CROSS-FLOW FAN, BLOWER AND MOLDING MACHINE FOR IMPELLER

Patent Period Started From 09/10/2009 and Will end on 08/10/2029

(57) Provided is a flowing-through fan formed by laminating, in the center axis direction, a plurality of wheels each including a plurality of blades. The section of each of the blades perpendicular to the rotational center axis is formed in such a manner that the size of the section gradually decreases from a first reference face toward the tip end of the blade. The center point of the section of the blade perpendicular to the rotational center axis is gradually displaced forward or backward in the rotational direction about the rotational center axis and also gradually displaced outward in the radial direction, from the root portion toward the tip end of the blade formed continuously on the main surface.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/09/2011** **1636/2011** **August 2013** **13/11/2013** **26456**

(51)	**Int. Cl.[8] C01B 31/10**
(71)	**1. THYSSENKRUPP UHDE GMBH (GERMANY)** **2.** **3.**
(72)	**1. KIM, Ronald** **2. WORBERG, Rainer** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 102009015240 – 01/04/2009** **2. (PCT/EP2010/001517) – 11/03/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHOD FOR REDUCING RADIANT HEAT LOSSES THROUGH COKE OVEN CHAMBER DOORS AND WALLS BY ADAPTING THE HEIGHT OR DENSITY OF THE COAL CAKE**
	Patent Period Started From 11/03/2010 and Will end on 10/03/2030

(57) The invention relates to a method for reducing the coking time in oven areas near the door or end walls, and for improving the coke quality and emission situation due to compensation for radiant losses through coke oven doors and end walls, wherein said compensation is performed by modifying the height of the coal cake in the vicinity of the front coke oven chamber doors, which can be done both by increasing or reducing the coal cake height over part of the length or the entire length of the coke oven chamber door. The reduction in the height of the coal cake can be achieved by leaving out coal or compacted coal, and the increase in height by heaping up coal and pressing, or adding compacted coal, wherein the pressing is also avoided, so that a recess having reduced coal cake density and reduced radiant heat is 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)**	**19/10/2011** **1754/2011** **August 2013** **13/11/2013** **26457**

(51)	**Int. Cl.** [8] **C12P 7/64 & C12N 5/04, 5/02**
(71)	**1. UNIVERSIDAD DE ANTIOQUIA (COLOMBIA)** **2. EMPRESAS PÚBLICAS DE MEDELLIN E.S.P. (COLOMBIA)** **3.**
(72)	**1. ATEHORTUA GARCES, Lucia** **2. CORREA CORDOBA, Sandra, Marcela** **3.**
(73)	**1.** **2.**
(30)	**1. (CO) 09-040167 – 21/04/2009** **2. (PCT/IB2009/007517) – 19/11/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD FOR CELLULAR TISSUE MULTIPLICATION FROM JATROPHA CURCAS

Patent Period Started From 19/11/2009 and Will end on 18/11/2029

(57) The method of the present invention comprises: Obtaining an explant from the seeds of Jatropha curcas; Putting the explant derived from the seed of Jatropha curcas in a culture medium; Breaking the intercellular unions of the explants tissue, which generates individuals cells; Incubating for a determined time the culture medium with the generated individual cells, that were multiplied; and, Extracting oil from the cells that multiplied from the individual cells generated from the explants derived from the Jatropha curcas seed.

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** **1561/2011** **August 2013** **13/11/2013** **26458**

(51)	**Int. Cl.** [8] **G01F 1/74**
(71)	**1. TAYLOR HOBSON LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. HU, Jin-lin** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 0904758.0 – 20/03/2009** **2. (PCT/GB2010/050433) – 11/03/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**METHOD AND APPARATUS FOR DETERMINING PHASE FRACTIONS OF MULTIPHASE FLOWS**
	Patent Period Started From 11/03/2010 and Will end on 10/03/2030

(57) A multiphase meter for use in the quantification of the individual phase fractions of a multiphase flow has: a resonant cavity through which, in use, a multiphase fluid flows, a signal generator configured to apply electromagnetic energy at a range of frequencies to the cavity, and an enhancing and / or suppressing facility for enhancing and / or suppressing resonant modes of a signal produced resultant to the application of electromagnetic energy to the cavity.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/07/2010** **1182/2010** **August 2013** **13/11/2013** **26459**

(51)	**Int. Cl.[8] C01G 23/02 & C22B 34/12**
(71)	**1. PERUKE (PROPRIETARY) LIMITED (SOUTH AFRICA)** **2.** **3.**
(72)	**1. PRETORIUS, Gerard** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (ZA) 2008/00404 – 14/01/2008** **2. (PCT/IB2008/055559) – 29/12/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**THE PRODUCTION OF TITANIUM TRIFLUORIDE**
	Patent Period Started From 29/12/2008 and Will end on 28/12/2028

(57) A method for the production of titanium trifluoride from a titanium-containing material, includes the steps of producing a fluoride solution of Ti (IV) from the titanium-containing material and reducing the Ti(IV) in the solution with a transition metal or an alloy of the transition metal. The transition metal is selected from manganese, iron, cobalt, nickel and zinc. An ammonium containing salt and either ammonia or ammonium fluoride are added to the resulting solution containing Ti(III) to produce a precipitate, and the precipitate is pyrolysed to produce titanium trifluoride.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/02/2009** **0190/2009** **June 2013** **13/11/2013** **26460**

(51)	**Int. Cl.** [8] **G01N 33/28**	
(71)	**1. PRAD RESEARCH AND DEVELOPMENT LIMITED (UNITED KINGDOM)** **2.** **3.**	
(72)	**1. YOUXIANG (JULIAN) ZUO** **2. OLIVER C. MULLINS** **3. JINGLIN GAO** **4. ABDEL M. KHARRAT** **5. KENTARO INDO**	**6. MICHAEL O'KEEFE** **7. SORAYA S. BETANCOURT** **8. CHENGLI DONG** **9. FRANCOIS DUBOST**
(73)	**1.** **2.**	
(30)	**1. (US) 61/040042 – 27/03/2008** **2. (US) 12/352369 – 12/01/2009** **3.**	
(74)	**ABDEL HADI FOR INTELLECTUAL PROPERTY**	
(12)	**Patent**	

(54) METHODS AND APPARATUS FOR ANALYSIS OF DOWNHOLE ASPHALTENE GRADIENTS AND APPLICATIONS THEREOF

Patent Period Started From 10/02/2009 and Will end on 09/02/2029

(57) A method and system for characterizing asphaltene gradients of a reservoir of interest and analyzing properties of the reservoir of interest based upon such asphaltene gradients. The analysis employs a correlation that relates insoluble asphaltene concentration to spectrophotometry measurement data measured at depth.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/11/2008** **1904/2008** **June 2013** **13/11/2013** **26461**

(51)	**Int. Cl.** [8] **C08K 2/00**
(71)	**1. BOREALIS TECHNOLOGY (FIN LAND)** **2.** **3.**
(72)	**1. CARLSSON ROGER** **2. SULTAN BERNT-AKE** **3. FAGRELL, OLA**
(73)	**1.** **2.**
(30)	**1. (EP) 06011133.3 – 30/05/2006** **2. (PCT/EP2007/004592) – 23/05/2007** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**A SILICON CONTAINING COMPOUND AS DRYING AGENT FOR POLYOLEFIN COMPOSITIONS**
	Patent Period Started From 23/05/2007 and Will end on 22/05/2027

(57) The present invention relates to the use of a silicon containing compound as drying agent of a polyolefin composition comprising a crosslinkable polyolefin with hydrolysable silane groups, wherein the silicon containing compound has a structure according to the formula (R1)X[Si(R2)y(R3)z]m wherein R1, which may be the same or different if more than one such group is present, is a monofunctional, or, if m = 2, is a bifunctional, hydrocarbyl residue comprising from 1 to 100 carbon atoms; R2, which may be the same or different if more than one such group is present, is a hydrocarbyloxy residue comprising from 1 to 100 carbon atoms; R3, is -R4SiR1PR2q, wherein p is 0 to 3, q is 0 to 3, with the proviso that p + q is 3, and R4 is -(CH2)rYs(CH2)t- where r and t independently are 1 to 3, s is 0 or 1 and Y is a difunctional heteroatomic group selected from -O-, -S-, -SO-, -SO2-, -NH-, -NR1- or -PR1-, where R1 and R2 are as previously defined; and x is 0 to 3, y is 1 to 4, z is 0 or 1, with the proviso that x + y + z = 4; and m = 1 or 2.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/02/2007** **PCT/NA2007/000223** **May 2013** **13/11/2013** **26462**

(51)	**Int. Cl.** [8] **C12P 21/02 & C07K 16/22, 16/00, 16/30 & C12N 5/00**	
(71)	**1. WYETH RESEARCH IRELAND LIMITED (IRELAND** **2.** **3.**	
(72)	**1. DRAPEAU, Denis** **2. LUAN, Yen-Tuang** **3. MERCER, James, R.**	**4. WANG, Wenge** **5. LASKO, Daniel**
(73)	**1. PFIZER IRELAND PHARMACEUTICALS (IRELAND)** **2.**	
(30)	**1. (US) 60/605097 – 27/08/2004** **2. (US) 60/604941 - 27/08/2004** **3. (US) 60/605074 - 27/08/2004** **(PCT/US 2005/030437) – 26/08/2005**	
(74)	**ABDEL HADI FOR INTELLECTUAL PROPERTY**	
(12)	**Patent**	

(54) PRODUCTION OF POLYPEPTIDES

Patent Period Started From 26/08/2005 and Will end on 25/08/2025

(57) An improved system for large scale production of proteins and/or polypeptides in cell culture, particulary in media characterized by one or mor of: i) a cumulative amino acid concertration greater than about 70 mM. ii) a molar cumulative glitamine to cumulative asparagine ratio of less than about 2 . iii) a milar cumulative glutamine to cumulative total amino acid ratio of less than about 2,2 . iv) a molar cumulative inorganic ion to cumulative total amino acid ratio between about 0,4 to 1 or v) a combined cumulative glutamine and cumulative asparagine concentration between about 16 and 36 mM, is provided . The use of such a system allows high levels of protein production and lessens accumulation of certain undesirable factors such as ammonium and/or lactate. Additionally, culture methods including a temperature shift. Typically including a decrease in temperature when the culture has reached about 20-80% of it maximal cell density. are provided . Alteratively or additionally .the present invention provides methods such that. After reaching a peak. Lactate and/or ammonium levels in the culture decrease.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/12/2009** **1853/2009** **July 2013** **13/11/2013** **26463**

(51)	**Int. Cl.** [8] **A61F 13/15, 13/511, 13/515**
(71)	**1. UNI-CHARM CORPORATION (JAPAN)** **2.** **3.**
(72)	**1. NODA, Yuki** **2. KURODA, Kenichiro** **3. NISHIKAWA, Kumiko**
(73)	**1.** **2.**
(30)	**1. (JP) 2007-165036 – 22/06/2007** **2. (PCT/JB2008/061014) – 17/06/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**ABSORPTIVE ARTICLE**
	Patent Period Started From 17/06/2008 and Will end on 16/06/2028

(57) An absorptive article in which front and rear flap sections are effectively prevented from bending about ends in the longitudinal direction of an absorptive body. The absorptive article has a shape longer than is wide and includes a front surface sheet, a rear surface sheet, and the absorptive body placed between both the sheets. In at least either of flap rigidity regions of the respective front flap section and rear flap section of the absorptive article, the value of bending rigidity in the longitudinal direction is greater than the value of bending rigidity in the lateral direction.

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)**	**14/09/2011** **1524/2011** **June 2013** **13/11/2013** **26464**

(51)	**Int. Cl.** [8] **E05B 21/06**
(71)	**1. ABLOYOY (FINLAND)** **2.** **3.**
(72)	**1. KIISKI, Seppo** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (FI) 20105001 – 04/01/2010** **2. (PCT/FI2010/051006) – 08/12/2010** **3.**
(74)	**HODA SERAG EL DEEN**
(12)	**Patent**

(54) DISC TUMBLER CYLINDER LOCK AND KEY COMBINATION

Patent Period Started From 08/12/2010 and Will end on 07/12/2030

(57) The invention relates to a disc tumbler cylinder lock and key combination. The disc tumbler cylinder lock of the combination comprises rotation limiting means of the key, and the key comprises guidance surfaces for the rotation limiting means. The rotation limiting means comprise a frame, which comprises a key profile opening, and a casing, which at least partially surrounds the frame. The frame comprises a limiting mechanism and a locking mechanism, which are disposed in a line such that the limiting mechanism is on the other side of the key profile opening and the locking mechanism is on the opposite side of the key profile opening.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/10/2007** **PCT/NA2007/001072** **August 2013** **14/11/2013** **26465**

(51)	**Int. Cl.[8] B44F 1/12 & C08J 3/20 & D21H 21/44**
(71)	**1. FABRICA NACIONAL DE MONEDA Y TIMBRE REAL CASA DE LA MONEDA (SPAIN)** **2.** **3.**
(72)	**1. GARCIA JUAZ, Vicente** **2. BARAJA CARRACEDO, Javier** **3.**
(73)	**1.** **2.**
(30)	**1. PCT/ES2005/000179 – 06/04/2005** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) SECURITY PAPER OR SPECIAL PAPER COMPRISING HIGH-STRENGTH SYNTHETIC ELEMENTS, AND METHOD FOR MAKING SAME

Patent Period Started From 06/04/2005 and Will end on 05/04/2025

(57) Security paper or special paper with pigments incorporated into the body of the synthetic element during the manufacture thereof, whereby the properties of the pigment are imparted to the synthetic element and the pigments as well as the actual synthetic element itself are protected from attack by physical and chemical agents.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/01/2011** **0006/2011** **August 2013** **14/11/2013** **26466**

(51)	**Int. Cl.** [8] **E21C 45/00**
(71)	**1. MARINE RESOURCES EXPLORATION INTERNATIONAL (NETHERLANDS)** **2.** **3.**
(72)	**1. PATRICIU, Dan, costache** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 0812119,6 – 02/07/2008** **2. (PCT/EP2008/005490) – 04/07/2008** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) A METHOD OF MINING AND PROCESSING SEABED SEDIMENT

Patent Period Started From 04/07/2008 and Will end on 03/07/2028

(57) A method and apparatus for mining and processing seabed sediment comprising disturbing sediment at the seabed to form a slurry; transporting the slurry to the surface via a production riser and processing the slurry to dissociate hydrates and remove hydrates from the slurry in gaseous form at the surface. The slurry may also contain sapropel and minerals. If so, the slurry may be split into a mineral rich stream and a sapropel rich stream each of which may be subjected to further treatment.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/08/2011** **1332/2011** **August 2013** **14/11/2013** **26467**

(51)	**Int. Cl.[8] B01D 25/12**
(71)	**1. TONGIANI, Stefano (ITALY)** **2.** **3.**
(72)	**1. TONGIANI, Stefano** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) MS2009A000002 – 10/02/2009** **2. (PCT/IT2010/000045) – 10/02/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) COMBINED ACTION FILTER PRESS

Patent Period Started From 10/02/2010 and Will end on 09/02/2030

(57) The present invention concerns a filter press, comprising a supporting frame, constituted of at least one longitudinal rail or guide supported at its opposite ends by a fixed headpiece on one side and by a foot on the other side, a movable headpiece supported by said at least one guide, a plurality of filtering plates arranged side by side between said fixed headpiece and said movable headpiece, pneumatic elements or cushions for pressing and a compression plate, wherein said movable headpiece comprises threaded cylindrical holes, supported on relative endless screws the ends of which are rotationally mounted on supports integral with the relative guides.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/04/2011** **0637/2011** **July 2013** **17/11/2013** **26468**

(51)	**Int. Cl.** [8] **B65D 71/06**
(71)	**1. ECOLEAN RESEARCH & DEVELOPMENT A/S (DENMARK)** **2.** **3.**
(72)	**1. MARBE, Peter** **2. ANDERSSON Lars-Erik** **3.**
(73)	**1. ECOLEAN AB (SWEDEN)** **2.**
(30)	**1. (SE) 0802324-4 – 31/10/2008** **2. (PCT/SE2009/051195) – 21/10/2009** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**PACKING UNIT, SHIPPING UNIT AND A METHOD OF MANUFACTURING A PACKING UNIT**
	Patent Period Started From 21/10/2009 and Will end on 20/10/2029

(57) The invention relates to a packing unit comprising a group of packages filled with a liquid product which are of the collapsible type and comprise a bottom wall and two opposite side walls, which packages in their upright position have an upwardly tapering shape, characterised in that the packages are so arranged that each package has a side wall facing a bottom o the packing unit, the packages are stacked one over another in a plurality of layers with a plurality of packages in each layer, the packages having an alternating orientation in a first direction and a second direction opposite to the first direction and the packages of an individual layer having a uniform orientation in the first or the second direction, and a plastic film cover which at least partly surrounds the group of packages for providing dimensional stability to the packing unit, the plastic film cover being made of a web of plastic film material which has been joined together along four or fewer elongate sealing portions for forming said plastic film cover, and a shipping unit and a method of manufacturing said packing unit. The application also includes a shipping unit and a method of manufacturing a packing 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)**	**21/08/2011** **1391/2011** **August 2013** **21/11/2013** **26469**

(51)	**Int. Cl.** [8] **C12M 1/00**
(71)	**1. ECODUNA TECHNOLOGIE GMBH (AUSTRIA)** **2.** **3.**
(72)	**1. MOHR, Martin** **2. EMMINGER, Franz** **3.**
(73)	**1.** **2.**
(30)	**1. (AT) A 404/2009 - 12/03/2009** **2. (PCT/AT2010/000068) – 08/03/2010** **3.**
(74)	**MOHAMED TAREK ABOU RAGAB**
(12)	**Patent**

(54)	**DEVICE FOR A PHOTOCHEMICAL PROCESS**
	Patent Period Started From 08/03/2010 and Will end on 07/03/2030

(57) The invention relates to a device for a photochemical process, such as a photocatalytic and/or a photosynthetic process, especially for the cultivation and production or hydrocultivation of preferably phototrophic micro-organisms. A reactor, especially a bioreactor, is provided, and a reaction medium, for example an aqueous solution or a suspension, is guided in the reactor in a meandering manner. The reactor through which the reaction medium flows consists of at least one reactor element comprising two interconnected pipes or chambers that are vertical or inclined at an angle. The reaction medium is introduced into the reactor and released there from, over the upper reaction medium surface, preferably continuously, without pressure and freely to the atmosphere. As a result of the hydrostatic pressure and level compensation, the flow of the reaction medium is stress-free for the micro-organisms. The reactor and its pipes or chambers preferably consisting of a transparent or translucent material are arranged in a light-conducting liquid.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/01/2007** **0006/2007** **August 2013** **14/11/2013** **26470**

(51)	**Int. Cl.** [8] **E04G 11/24**
(71)	**1. DR. FAHMY ALY FATHELBAB (EGYPT)** **2.** **3.**
(72)	**1. DR. FAHMY ALY FATHELBAB** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) A NEW SYSTEM FOR PRODUCTION OF LOW COST FLOORS WITH HIGH CONSTRUCTION RATE FOR RESIDENTIAL, INDUSTRIAL, AND PUBLIC BUILDINGS

Patent Period Started From 09/01/2007 and Will end on 08/01/2027

(57) The invention is a new system of floors for all types of buildings. This proposed system is cheaper than all other similar system. The system is constructed with very high rate without any need for equipments or tools or technical labors. The system is durable under any applied loads, and its maintenance is easy. The idea of the new system is to replace the lower cracked layer of reinforced concrete slabs or beams with another layer of light weight gas (Aerated) concrete with required reinforcement inside it. This layer is produced with the designed dimensions as panels with width equal 0.60 meter. The panels are laid in its places and act as shuttering for the upper layer of plain concrete which pored above it. The two layers act as a composed section after hardening of the upper layer.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/10/2009** **1463/2009** **July 2013** **17/11/2013** **26471**

(51)	**Int. Cl.[8] C07D 241/04 & C10L 3/06**
(71)	**1. NALCO COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ERICK J. Acosta** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 12/245849 – 06/10/2008** **2.** **3.**
(74)	**SMAS FOR INTELLECTUAL PROPERTY**
(12)	**Patent**

(54)	**COMPOSITIONS AND METHODS FOR INHIBITING THE AGGLOMERATION OF HYDRATES**
	Patent Period Started From 04/10/2009 and Will end on 03/10/2029

(57) One or more compositions and methods for inhibiting the formation of hydrate agglomerates in an aqueous medium that contain a specified generic formula are disclosed. The aqueous medium can be contained in an oil or gas pipeline or refinery.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/04/2011** **0555/2011** **July 2013** **17/11/2013** **26472**

(51)	**Int. Cl.** [8] **C09C 1/36, 1/40, 3/06 & C04B 41/85**
(71)	**1. INNOVNANO – MATERIAIS AVANÇADOS, S.A. (PORTUGAL)** **2.** **3.**
(72)	**1. CALADO DA SILVA, João Manuel** **2. DOS SANTOS ANTUNES , Elsa Marisa** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/PT2008/000040) -13/10/2008** **2.** **3.**
(74)	**SMAS INTELLECTUAL PROPERTY**
(12)	**Patent**

(54) CERAMIC POWDERS COATED WITH A NANOPARTICLE LAYER AND PROCESS FOR OBTAINING THEREOF

Patent Period Started From 13/10/2008 and Will end on 12/10/2028

(57) The present invention refers to ceramic powders coated with a layer of nanoparticles of multiple crystalline structures and process for obtaining the same. These coatings are obtained by means of the introduction of precursors in water in oil emulsions, which upon decomposition during its detonation, form the nanoparticles that adhere to the surface of the ceramic powder intended to coat. The later base ceramic powder can be synthesized during the emulsion detonation (W/0) or simply be directly placed in its composition. The properties of the obtained coating, such as thickness, adhesion, porosity and coated surface percentage, can be adjusted according to the application desired, the ceramic powders coated being applicable to several types of areas of the nanotechnology, such as electronics, biomedicine, chemistry, ceramics and energy industries.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/03/2011** **0412/2011** **August 2013** **26/11/2013** **26473**

(51)	**Int. Cl. [8] E02D 29/14**
(71)	**1. NORINCO (FRANCE)** **2.** **3.**
(72)	**1. LACROIX, Pascal** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 1051838 – 15/03/2010** **2.** **3.**
(74)	**SMAS INTELLECTUAL PROPERTY**
(12)	**Patent**

(54)	**HIGHWAYS DEVICE IN PARTICULAR MANHOLE WITH FRAME AND PLUG**
	Patent Period Started From 15/03/2011 and Will end on 14/03/2031

(57) The present invention relates to a highways device, in particular a manhole, with a frame and plug with backward movement relative to the frame to ensure the closed position of the plug in the frame. According to the invention, one of the ends of the self-locking arm of said device is pivotally mounted to the frame able to slide in a fixed guide groove so that the end of the arm can bear on a fixed stop of the frame during tilting of the plug to its closed position of the frame to cause the plug to move backwards and allow the latter to correctly close the opening of said frame. The invention is applicable in the highways field.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG ع.م.ج	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/08/2011** **1353/2011** **August 2013** **27/11/2013** **26474**

(51)	**Int. Cl.[8] C10G 9/00**
(71)	**1. RED LEAF RESOURCES, INC. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. PATTEN, James, W.** **2. DANA, Todd** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 61/152.141 – 12/02/2009** **2. (PCT/US2010/024142) -12/02/2010** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**CONVECTIVE HEAT SYSTEMS FOR RECOVERY OF HYDROCARBONS FROM ENCAPSULATED PERMEABILITY CONTROL INFRASTRUCTURES**
	Patent Period Started From 12/02/2010 and Will end on 11/02/2030

(57) A constructed permeability control infrastructure can include a permeability control impoundment, which defines a substantially encapsulated volume. The infrastructure can also include a comminuted hydrocarbonaceous material within the encapsulated volume. The comminuted hydrocarbonaceous material can form a permeable body of hydrocarbonaceous material. The infrastructure can further include at least one convection driving conduit oriented in a lower portion of the permeable body to generate bulk convective flow patterns throughout the permeable body. An associated method of recovering hydrocarbons from hydrocarbonaceous materials can include forming a constructed permeability control infrastructure, which defines a substantially encapsulated volume. A comminuted hydrocarbonaceous material can be introduced into the control infrastructure to form a permeable body of hydrocarbonaceous material. A heated fluid can be passed throughout the permeable body in bulk convective flow patterns to remove hydrocarbons from the permeable body. Removed hydrocarbons can be collected for further processing and/or use.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/09/2011** **1608/2011** **August 2003** **28/11/2013** **26475**

(51)	**Int. Cl.** [8] **G06K 7/10**
(71)	**1. SICPA HOLDING SA (SWITZERLAND)** **2.** **3.**
(72)	**1. VASIC, Milan** **2. DUCA, Nicola** **3.**
(73)	**1.** **2.**
(30)	**1. (PCT/IB2009/005137) – 31/03/2009** **2.** **3.**
(74)	**HODA ANIS SERAG EL DEEN**
(12)	**Patent**

(54) ANNULAR LIGHT GUIDE ILLUMINATOR AND OPTICAL SCANNER

Patent Period Started From 31/03/2009 and will end on 30/03/2029

(57) The disclosed annular light guide illuminator is operable to guide light from its entry surface to its exit surface for illuminating a zone at its distal end, and comprises a truncated-cone-shaped inner cavity of which base opens onto said distal end, and of which truncated summit opposite to said base opens onto an inner hole portion for back transmitting light reflected/emitted from said zone. An optical scanner implementing said illuminator is also disclosed.