Ministry of State for Scientific Research Academy of Scientific Research & Technology



# GRANTED PATENTS' ABSTRACTS GAZETTE "PATENT ISSUED DECEMBER IN 2015"

Egyptian Patent Office

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## **Preface**

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

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

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

**Acting President of Patent Office** 

Mr. Adel El-Saeid Oweide

## Bibliographic data

Bibliographic data	symbol
Patent Number	11
Patent Kind	12
Application Number	21
Filing Date	22
Priority Number	
Priority Date	30
Priority Country	
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

<u> </u>	
Code	Country
AE	United Arab emairates
AF	Afghanistan
AG	Antigua and Barbuda
AL	Albania <sup>)</sup>
AM	Armenia
AO	Angola
AR	Argentina
AT	Austria
AU	Australia
AZ	Azerbaijan
ВА	Bosin and Herzegovina
BB	Barbados
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BE	Belgium
BF	Burkina Faso
BG	Bulgaria
ВН	Bahrain
ВΙ	Burundi
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во	Bolivia
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СН	Switzerland
CI	Cote D'Ivoir
CL	Chile
CM	Cameroon
CN	China
CO	Colombia

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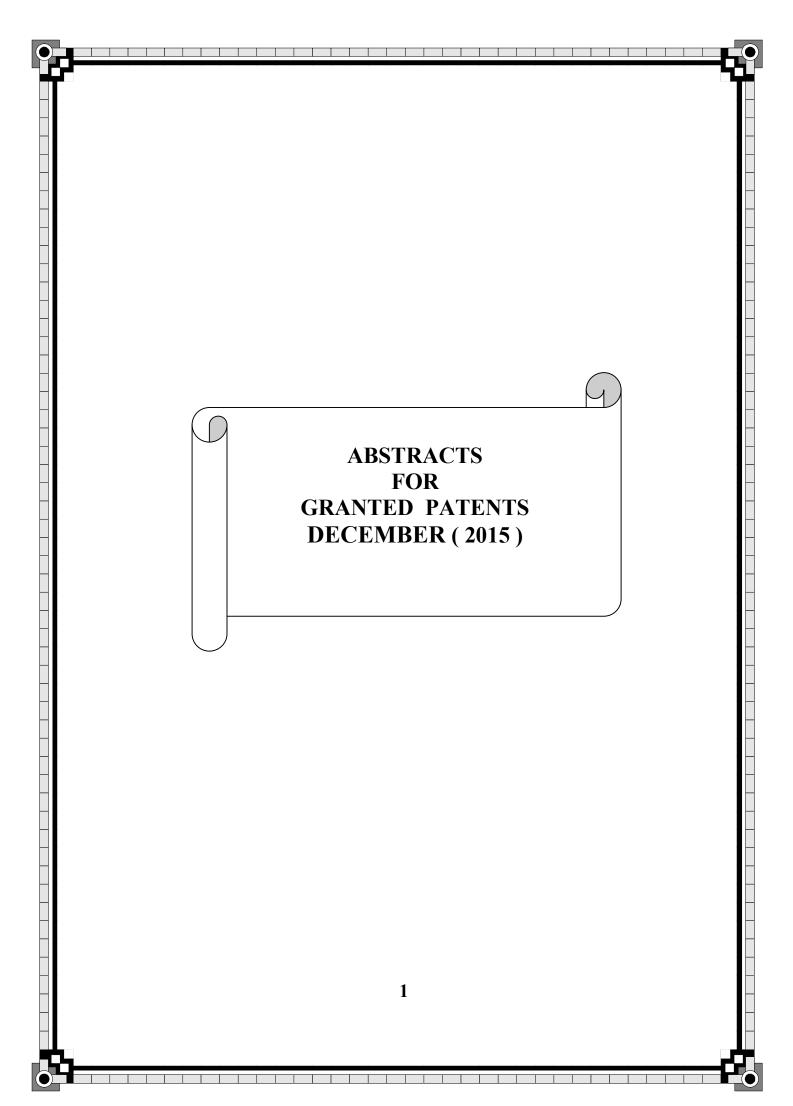
Code	Country
IL	Israel
IN	India
IQ	Iraq
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IS	Iceland
IT	Italy
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JP	Japan
KE	Kenya
KG	Kyrgyzstan
KM	COMOROS
KN	Saint Kitts and Nevis
KP	D. P's. R. of Korea
KR	Republic of Korea
KW	Kuwait
KZ	Kozakhstan
LA	LAO PEOPLE'S DEMOCRATIC REPUBLIC
LB	Lebanon
LC	Sant Lucia
LI	Liechtenstein
LK	Sirlanka
LR	Liberia
LS	Lesotho
LT	Lithuania
LU	Luxembourg
LV	Latvia
LY	Libyan Arab Jamahirya
MA	Moracco
MC	Monaco
MD	Republic of Moldova
ME	Montenegro
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Code	Country
MK	The Former Yugoslav
ML	Mali
MN	Mongolia
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MW	Malawi
MX	Mexico
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NI	Nicaragua
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NO	Norway
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OM	Oman
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PG	Papua New Guinea
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RS	Serbia
RU	Russian Federation
RW	Rwanda
SA	Saudi Arabia

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

Code	Caustin
Code	Country
SC	Seychelles
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SG	Singapore
SI	Slovenia
SK	Slovakia
SL	Sierra Leone
SM	San Marion
SN	Senegal
SO	Somalia
SR	Suriname
ST	Saotome and Principe
SV	El Salvador
SY	Syrian Arab Republic
SZ	Swaziland
TD	Chad
TG	Togo
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
VE	Venezuela
VN	Viet Nam
YD	Yemen
YU	Yugoslavia
ZA	South Africa
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe



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**Egyptian Patent Office** 



**PCT** 

(22) 02/05/2010

(21) 0712/2010

(44) May 2015

(45) 01/12/2015

(11) 27352

(51)	Int. Cl. 8 C03C 17/34 & C23C 14/08, 14/58
(71)	<ol> <li>AGC FLAT GLASS NORTH AMERICA, INC (UNITED STATES OF AMERICA)</li> <li>ASAHI GLASS C O, L T D (JAPAN)</li> <li>A G C FLAT GLAS OROBA S A ()</li> </ol>
(72)	<ol> <li>CORDING, Christopher R.</li> <li>MASUMO, Kunio</li> <li>AGUSTSSON, Sveinn Otto</li> </ol>
(73)	1. 2.
(30)	1. (US) 60/996,144 - 02-11-2007 2. (PCT/US2008/012409) - 03/11/2008 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) TRANSPARENT CONDUCTIVE OXIDE COATING FOR THIN FILM PHOTOVOLTAIC APPLICATIONS AND METHODS OF MAKING THE SAME

## Patent Period Started From 03/11/2008 and Will end on 02/11/2028

(57) The present invention provides transparent conductive oxide (TCO) thin films with improved optical and electrical properties and methods of making the same. More specifically, the invention provides on-line processes for producing TCO thin films that allow for improvements in optical properties and post-production improvements in electrical properties of the TCO.

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**Egyptian Patent Office** 



**PCT** 

(22) 08/04/2013

(21) 0664/2013

(44) July 2015

(45) 01/12/2015

(11) 27353

(51)	Int. Cl. <sup>8</sup> B01D 33/50, 33/21
(71)	<ol> <li>VEOLIA WATER SOLUTIONS &amp; TECHNOLOGIES SUPPORT (FRANCE)</li> <li>3.</li> </ol>
(72)	1. LARSSON, Per 2. 3.
(73)	1. 2.
(30)	1. (SE) 1051094-9 - 21-10-2010 2. (PCT/SE2011/051205) - 07-10-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) DEVICE INCLUDING A COMPACT SPRAY NOZZLE FOR CLEANING A FILTER CLOTH IN A DISC FILTER

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

(57) A device for cleaning a filter cloth (4) of at least one filter element in a rtary disc filter, including at least one flush tube, the center axis of which is located between two adjacent parallel filter elements, and which includes at least one outlet arranged in a direction other than towards the respective filter cloth, and at least one spray nozzle connected to said outlet. A connection to the spray nozzle extends essentially parallel to said filter element and the spray nozzle includes an angled redirecting channel for distribution of cleaning liquid in a direction towards the filter cloth of said filter element. A plurality of spray nozzles are arranged in pairs around the flush tube and with their respective outlet openings located at a distance from the respective filter element, which is larger than half the spacing between two adjacent parallel filter elements.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 08/04/2013

(21) 0229/2012

(44) July 2015

(45) 01/12/2015

(11) 27354

(51)	Int. Cl. <sup>8</sup> B01J 8/02 & F28F 9/02 & F28D 9/00
(71)	1. METHANOL CASALE SA (SWITZERLAND)
	2.
	3.
(72)	1. RIZZI, Enrico
	2. FILIPPI, Ermanno
	3. TAROZZO, Mirco
(73)	1.
	2.
(30)	1. (EP) 09167856.5 - 13-08-2009
( )	2. (PCT/EP2010/059732) – 07/07/2010
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) PLATE HEAT EXCHANGER FOR ISOTHERMAL CHEMICAL REACTORS

## Patent Period Started From 07/07/2010 and Will end on 06/07/2030

(57) A radial-flow plate heat exchanger embedded in the catalytic bed of an isothermal chemical reactor has heat exchange plates comprising fluid passages between a first metal sheet and a second metal sheet joined by perimeter weld seams on a first surface (A) of the plate, a feeding channel and a collecting channel for the heat exchange fluid are formed with suitable metal sheets which are seam welded directly to the opposite surface (B) of the plate, this structure allows the manufacturing of the plate with an automated seam welding process, such as laser beam welding.

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**PCT** 

(22) 06/06/2012

(21) 1030/2012

(44) July 2015

(45) 02/12/2015

(11) 27355

(51)	Int. Cl. <sup>8</sup> C12P 7/64		
(71)	1. ENI S. P. A. (ITALY) 2. 3.		
(72)	<ol> <li>D'ADDARIO, Ezio, Nicola</li> <li>DE FERRA, Francesca</li> <li>CAPUANO, Federico</li> </ol>	<ul><li>4. MIGLIO, Roberta</li><li>5. BOSETTI, Aldo</li><li>6. CARNELLI, Lino</li></ul>	
(73)	1. 2.	·	
(30)	1. (IT) MI2009A 002164 - 09-12-2009 2. (PCT/IB2010/003179) - 07-12-2010 3.		
(74)	SAMAR AHMED EL LABBAD		
(12)	Patent		

## PROCESS FOR THE PRODUCTION OF BIO-OIL FROM PHOTOTROPHIC AND HETEROTROPHIC ALGAE

## Patent Period Started From 07/12/2010 and Will end on 06/12/2030

(57) A process for the production of bio -oil from phototrophic and heterotrophic algae comprising: cultivating at least one phototrophic alga, under photoautotrophic conditions, in order to obtain a first aqueous suspension of algal biomass; - cultivating at least one heterotrophic alga, under heterotrophic conditions, in order to obtain a second aqueous suspension of algal biomass; - subjecting said first aqueous suspension of algal biomass to concentration in order to obtain a first concentrated aqueous suspension of algal biomass; - combining said first concentrated aqueous suspension of algal biomass with said second aqueous suspension of algal biomass obtaining a third aqueous suspension of algal biomass; - subjecting said third aqueous suspension of algal biomass to concentration in order to obtain a second concentrated aqueous suspension of algal biomass; - subjecting said second concentrated aqueous suspension of algal biomass; - subjecting said second concentrated aqueous suspension of algal biomass to thermal treatment in order to obtain an oily phase comprising bio-oil and an aqueous phase comprising organic compounds.

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**Egyptian Patent Office** 



**PCT** 

(22) 05/09/2011

(21) 1477/2011

(44) July 2015

(45) 02/12/2015

(11) |27356

(51)	Int. Cl. 8 C02F 1/04, 3/28, 9/00, 101/32, 101/34	
(71)	1. ENI S. P. A. (ITALY) 2. 3.	
(72)	<ol> <li>FRANZOSI, Giuliana</li> <li>CESTI, Pietro</li> <li>PAGLINO, Roberto</li> </ol>	4. CARNELLI, Lino 5. MIGLIO, Roberta
(73)	1. 2.	
(30)	1. (IT) MI2009A 000326 - 05-03-2009 2. (PCT/EP2010/001098) - 18/02/2010 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 18/02/2010 and Will end on 17/02/2030

(57) Process for the purification of an aqueous stream coming from the Fischer-Tropsch reaction which comprises: - feeding said aqueous stream containing the organic by-products of the reaction to a distillation column, obtaining two output streams: - an aqueous stream exiting from the column head, enriched with alcohols having from 1 to 20 carbon atoms, preferably from 1 to 9 carbon atoms, and other optional volatile compounds; an aqueous stream exiting from the column bottom, enriched with organic acids having from 1 to 10 carbon atoms, preferably from 2 to 6 carbon atoms; - subjecting said aqueous stream to an anaerobic biological treatment obtaining a purified aqueous stream; wherein said anaerobic biological treatment is carried out with a hydraulic retention time lower than 15 hours, preferably ranging from 4 hours to 10 hours, more preferably ranging from 5 hours to 8 hours.

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**PCT** 

(22) |15/05/2012

(21) 0881/2012

(44) June 2015

(45) 02/12/2015

(11) 27357

(51)	Int. Cl. <sup>8</sup> E04G 5/00
(71)	1. SIMON DOMIGUEZ, Javier Antonio (MEXICO) 2. 3.
(72)	<ol> <li>SIMON DOMIGUEZ, Javier Antonio</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (MX) MX/A/2009/012586 - 20-11-2009 2. (PCT/MX2010/000130) - 16/11/2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) METHOD AND DEVICE FOR STRENGTHENING AND LIGHTENING FLOOR AND ROOF FRAMING

## Patent Period Started From 16/11/2010 and Will end on 15/11/2030

(57) Method and device for strengthening and lightening floor and roof framing, where the beams and the compression slab are firmly integrated. making it possible to easily recover the moulds or blocks lightening the framing. The method uses several devices, prefabricated beams, moulds, mesh, concrete laid on site and where necessary reinforcing rods. The devices comprise essentially: a section, two bolts and a pin. The section will be tensile-stress resistant and folded into a "U" shape to match the beams. The method involves affixing the device, wrapped transversally around the beam. Likewise, and several devices can be affixed along each beam. The beams are then placed on their walls or girders, parallel and separated depending on the moulds, then the moulds are seated in the protruding segments of the bolts of the device until the spans are covered, affixing reinforcing rods in the sides of the device where necessary. The mesh is then laid by attaching it to the ends of the devices. The concrete is then poured until the compression slab and the channels above the beams are filled. Once set, the bolts are removed to recover the moulds from below.

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**PCT** 

(22) 11/04/2010

(21) 0576/2010

(44) April 2015

(45) 02/12/2015

(11) 27358

(51)	Int. Cl. 8 E21B 34/06, 43/12
(71)	1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA) 2. 3.
(72)	1. XU, Yang 2. 3.
(73)	1. 2.
(30)	1. (US) 11/871,685 - 12-10-2007 2. (PCT/US2008/078872) - 04-10-2008 3.
(74)	NAHED WADEA RIZK
(12)	Patent

## (54) FLOW RESTRICTION DEVICE Patent Period Started From 04/10/2008 and Will end on 03/10/2028

(57) An inflow control device may include flow control elements along a flow path. The flow control elements may change the inertial direction of the fluid flowing in the flow path. The change in inertial direction occurs at junctures along the flow path. The flow control elements may also be configured to form segmented pressure drops across the flow path. The segmented pressure drops may include a first pressure drop segment and a second pressure drop segment that is different from the first pressure drop segment. The pressure drop segments may be generated by a passage, an orifice or a slot. In embodiment s, the plurality of flow control elements may separate the fluid into at least two flow paths. The flow control elements may also be configured to cause an increase in a pressure drop in the flow path as a concentration of water increases in the fluid.

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**Egyptian Patent Office** 



**PCT** 

(22) 09/06/2013

(21) 0980/2013

(44) January 2015

(45) 02/12/2015

(11) 27359

(51)	Int. Cl. <sup>8</sup> G01V 9/00
(71)	1. LANDMARK Graphics Corporation (UNITED STATES OF AMERICA)
	2. 3.
<b>(72)</b>	1. XU Zitao
	2. Chambers Richard L. 3.
(73)	1. 2.
(30)	1. (PCT/US2011/020157)- 05-01-2011 2.
( <b>-</b> 4)	3.
(74)	NAHED WADEA RIZK
(12)	Patent

## (54) METHOD AND SYSTEM OF CALCULATING A FAULT THROW Patent Period Started From 05/01/2011 and Will end on 04/01/2031

(57) Calculating a fault throw. At least some embodiments are methods of determining an underground surface or horizon including: identifying an occluded zone residing between a first and second faults, the occluded zone not penetrated by an actual borehole, and the first and second faults intersect an actual borehole, and the first and second faults intersect an expected location of the surface; calculating a fault throw for the first fault; and calculating the underground surface using the fault throw. Calculating the fault throw may include: calculating a first pseudo depth at a first end of the first fault, the calculating the first pseudo depth using at least one actual depth value that resides across the first fault from the first end; calculating a second pseudo depth at a second end of the first fault, the second end distinct from the first end; and determining the fault throw using the first and second pseudo depths.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 08/12/2004

(21) 0501/2004

(44) July 2015

(45) |03/12/2015(11) |27360

(51)	Int. Cl. <sup>8</sup> E03B 7/00
(71)	1. MAGD AHMED KOTB ABDALLAH (EGYPT) 2.
	3.
(72)	1. MAGD AHMED KOTB ABDALLAH
( - )	2.
	3.
(73)	1.
( - )	2.
(30)	1.
( )	2.
	3.
(74)	
(12)	Patent

## (54) WATER RECLAMATION SYSTEM Patent Period Started From 08/12/2004 and Will end on 11/12/2024

(57) The need for finding newer sources of water is essential for mankind. In any given condition the percentage of air humidity reflects the amount of evaporated water carried by a 1000cc of air. The invention seeks condensation of this water vapour and its reclamation. By making a glass house and induction of its effect the hot air rises and is displaced by colder air moving through a pipe system passing in the cool underground allowing for water condensation and collection through a system of pipes and water reservoirs. Bigger glass houses induce bigger air displacement and can direct dense cold air currents and subsequent cloud water reclamation.

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**PCT** 

## (22) 21/03/2010

- (21) 0449/2010
- (44) May 2015
- (45) 02/12/2015
- (11) 27361

(51)	Int. Cl. 8 B23Q 1/01, 11/00, 11/02
(71)	1. SAMI ABDALLAH SAYED AHMED NOUR (EGYPT) 2. 3.
(72)	1. SAMI ABDALLAH SAYED AHMED NOUR 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

## (54) ADDING SURFACE SCREW CUTTING TABLES TO TURNING MACHINE, FACTORY TYPE 162,

## Patent Period Started From 21/03/2010 and Will end on 20/03/2030

(57) The present invention relates to adding surface screw cutting tables, factory type 162, 1628. The tables contain metric, English, module, diametral screws. They also contain rig gears, adjustment of feed gear levers, 3, 4, and the swinging unit. The table also include a screw step, with the adjustment of the swivel head of the feed shaft to move the cross drawing. The tables are included in full. This is done using all the machine gears and supplements, and through adding a gear. Neither the machine nor its supplements contains 62 teeth, module 1.75 mm, for full usability of the tables.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology





**PCT** 

(22) 28/04/2011

(21) 0660/2011

(44) August 2015

(45) 02/12/2015

(11) 27362

(51)	Int. Cl. <sup>8</sup> C03C 25/00 & C08J 5/00
(71)	1. HEBAT ALRAHMAN AHMED (EGYPT)
	2.
	3.
(72)	1. HEBAT ALRAHMAN AHMED
	2.
	3.
(73)	1.
, ,	2.
(30)	1.
	2.
	3.
(74)	
(12)	Patent

### NEW METHOD IMPROVE THE PROPERTIES AND (54)PERFORMANCE OF THE BRAKE LINING COMPOSITE BY **NATURAL FIBERS ADDITIVES**

## Patent Period Started From 28/04/2011 and Will end on 27/04/2031

(57) The new method improves the performance of phenol formaldehyde, (bakelite) matrix composite by natural additives. The natural fibers such as silk and jute yarn are used. They are cut in order to increase exposed surface and cohesive force between matrix and reinforcements. Carbon additives are added also to improve thermal conductivity. Basalt and melted basalt are added in powder form. The temperature is increased gradually during pressing from two sides to get rid of air gaps and achieve homogeneity in the final composite material.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

- (22) 10/08/2010
- (21) | 1353/2010
- (44) May 2015
- (45) 06/12/2015
- (11) 27363

(51)	Int. Cl. <sup>8</sup> C07H 13/12 & A01N 43	/40, 43/50, 43/653, 47/02, 47/18	& C07H 15/18, 15/26
(71)	1. DOW AGROSCIENCES LLC (UNITED STATES OF AMERICA) 2. 3.		
(72)	<ol> <li>CROUSE, Gary</li> <li>SPARKS, Thomas</li> <li>MCLEOD, CaSandra</li> <li>DEMETER, David</li> </ol>	5. BRYAN, Kristy 6. BROWN, Annette 7. DENT, William 8. CUDWORTH, Denise	9. NUGENT, Jaime 10. HUNTER, Ricky 11. SAMARITONI, Jack
(73)	1. 2.		
(30)	1. (US) 61/065,475 – 12-02-2008 2. (PCT/US2009/033711) – 11-02 3.	-2009	
(74)	HODA AHMEDABDEL HADY		
(12)	Patent		

## (54) PESTICIDAL COMPOSITIONS Patent Period Started From 11/02/2009 and Will end on 10/02/2029

(57) The invention disclosed in this document is related to the field of pesticides and their use in controlling pests. A compound having the

following structure is disclosed.

$$R1$$
  $R2$ 
 $Ar_1$   $Het$   $Ar_2$   $J[L]K$   $Q$   $R3$ 
 $R4$ 

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**PCT** 

(22) |04/02/2013

(21) 0186/2013

(44) June 2015

(45) 06/12/2015

(11) 27364

(51)	Int. Cl. <sup>8</sup> E01F 8/00 & E04H 17/20
(71)	1. URBANTECH S.R.L. (ITALY)
	2.
	3.
(72)	1. TIZZONI, Giampaolo
	2.
	3.
(73)	1.
( - )	2.
(30)	1. (PCT/IT2010/000359) – 06-08-2010
( )	2.
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) AN IMPROVEMENT OF A SUPPORTING STRUCTURE FOR AN ANTI-NOISE BARRIER WHEREIN FOUNDATIONS AND LIFTING POST ARE REALIZED IN A SINGLE ELEMENT AND RELATIVE ASSEMBLY METHOD

## Patent Period Started From 06/08/2010 and Will end on 05/08/2030

(57) The present invention concerns a supporting structure for an anti-noise barrier and relative assembly method. In accordance with the invention, the foundation and the structural post of the barrier are a single continuous piece in the shape of a sheet pile. The sheet pile comprises a first part and a second part of such a length that, in use, the second part results insertable on the ground to realize the foundation, while, contextually, the first part results emerging from the ground upwards. The first part of the sheet pile, besides, is provided with connection means through which to be able to connect the sound-absorbent panels, and with a plate on which to lean the panels themselves in such a way that the arrangement on the ground of the foundation and of the structural post results realizable in a single phase to then proceed with the second phase of application of the panels.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

(22) 12/02/2012

(21) 0227/2012

(44) June 2015

(45) 06/12/2015

(11) 27365

(51)	Int. Cl. 8 D02G 3/44
(71)	1. MONTFORT SERVICES SDN. BHD. (CHINA) 2. 3.
(72)	1. STURMAN, Richard 2. 3.
(73)	1. 2.
(30)	1. (GB) 0914046,8 – 12-08-2009 2. (GB) 1003441,1 – 02-03-2010 3. (PCT/GB2010/001527) – 12-08-2010
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) TEXTILE BONDING ARRANGEMENTS

## Patent Period Started From 12/08/2010 and Will end on 11/08/2030

(57) In the field of textile bonding arrangements there is a need to join a textile item to another item while maintaining the inherent flexibility of each item. A textile attachment formation comprises a textile structure formed by a series of interlocking loops of a first thread. The textile structure further includes an elongate bonding element which lies adjacent to the first thread. The position of the bonding element about the perimeter of the first thread varies along the length of the first thread.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

(22) 21/09/2011

(21) 1578/2011

(44) August 2015

(45) 06/12/2015

(11) 27366

(51)	Int. Cl. 8 C09K 8/03, 8/36
(71)	<ol> <li>HALLIBURTON ENERGY SERVICES, INC (UNITED STATES OF AMERICA)</li> <li>3.</li> </ol>
(72)	1. ZHANG, Ying 2. 3.
(73)	1. 2.
(30)	1. (US) 12/409,240 - 23-03-2009 2. (PCT/GB2010/000469) - 16-03-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) HIGH PERFORMANCE DRILLING FLUIDS WITH SUBMICRON-SIZE PARTICLES AS THE WEIGHTING AGENT

## Patent Period Started From 16/03/2010 and Will end on 15/03/2030

(57) Methods and compositions utilizing a drilling fluid comprising sub-micron precipitated barite having a weight average particle diameter below about 1 micron. Methods include a method comprising circulating a drilling fluid in a well bore, wherein the drilling fluid comprises: a carrier fluid; and a weighting agent that comprises sub-micron precipitated barite having a weight average particle diameter below about 1 micron are disclosed. In some embodiments, the drilling fluid may comprise an invert emulsion. In some embodiments, the sub-micron precipitated barite has a particle size distribution such that at least 10% of particles in the sub-micron precipitated barite have a diameter below about 0.2 micron, at least 50% of the particles in the of the sub-micron precipitated barite have a diameter below about 0.3 micron and at least 90% of the particles in the sub-micron precipitated barite have a diameter below about 0.5 micron.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 26/06/2013

(21) 1125/2013

(44) June 2015

(45) 06/12/2015

(11) 27367

(51)	Int. Cl. 8 B03C 3/014, 3/16 & B01D 47/06, 50/00
(71)	1. AAVI TECHNOLOGIES OY (FINLAND) 2.
(72)	1. ILMASTI, Veikko Ilmari 2. 3.
(73)	1. 2.
(30)	1. (FI) 20110007 - 12-01-2011 2. (PCT/FI2011/000037) - 14-07-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) DEVICE AND METHOD FOR PURIFYING AIR FROM NON-DESIRED COMPONENTS AND FOR ELIMINATING SUCH COMPONENTS

## Patent Period Started From 14/07/2011 and Will end on 13/07/2031

(57) This invention concerns a device for purifying air from non-desired gases and particles, in the case of nuclear power plants from radiating particles and gaseous iodine, as well as for extermination of microorganisms and removal from the air. The device consists of a purifying chamber through which the air to be purified is arranged to flow. In the structurally grounded purifying chamber ionized air (1) is led to a water dust or vapor which can be oxidized for instance by means of hydrogen peroxide (6) and by increasing the voltage level of the ionization in order to produce ozone and to be led further to high voltage operated ion blast tips (8) producing a continuous ion jet, which is directed onto collecting surfaces (9) and taking with it both droplets and particulate materials as well as gaseous components connected to them. The volume of the air to be purified determines the shape and volume of the purifying device. In use also energy saving is very significant compared to fiber filtration.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

- (22) |03/03/2010
- (21) 2010/0349D4
- (44) July 2015
- (45) 06/12/2015
- (11) |27368

(51)	Int. Cl. 8 A61F 13/15, 13/49, 13/496
(71)	1. UNI-CHARM CORPORATION (JAPAN) 2. 3.
(72)	1. TAKINO, Shunsuke 2. MAEDA, Yuki 3. TANJI, Hiroyuki
(73)	1. 2.
(30)	1. (JP) 2007-230639 - 05-09-2007 2. (JP) 2007-230640 - 05-09-2007 3. (JP) 2007-230709 - 05-09-2007 4. (JP) 2007-230710 - 05-09-2007 5. (JP) 2007-232015 - 06-09-2007 6. (PCT/JP2008/065904) - 03-09-2008
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) ABSORBENT ARTICLE

## Patent Period Started From 03/09/2008 and Will end on 02/09/2028

The present invention aims to provide an absorbent article allowing the amount of vapor generated in the article to be sufficiently guided out from the article to the exterior to alleviate feeling of wetness otherwise experienced by the article wearer. The present invention provides an absorbent article comprising belt members 4 respectively defining a front waist region 1 and a rear waist region 2 and a liquid-absorbent structure 5 defining a crotch region 3 wherein the belt members 4 are provided with waist-surrounding elastic members 18 biasing these belt members 4 to shrink in a circumferential direction R. The liquid-absorbent structure 5 has a first end 24 and a second end 25 wherein an outer surface of the first end 24 overlaps an inner surface of the front belt section 6 to define a first overlapping region 26 and an outer surface of the second end 25 overlaps an inner surface of the rear belt section 7 to define a second overlapping region 27. The liquid-absorbent structure 5 is joined to the front and rear belt sections 6, 7 in the first and second overlapping regions 26, 27 by means of joint zones 32 extending in a height direction Z and arranged intermittently in a circumferential direction R. First joint-free zones 45 defined between each pair of the adjacent joint zones 32 define vent channels 34, 35 allowing the crotch region 3 to fluid-communicate with the front and rear waist regions 1, 2.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 02/05/2007

(21) 0217/2007

(44) May 2015

(45) 07/12/2015

(11) 27369

(51)	Int. Cl. 8 A61K 38/00, 39/00
(71)	1. ADEL KHALIL IBRAHIM KHALIL (EGYPT)
	2.
	3.
(72)	1. ADEL KHALIL IBRAHIM KHALIL
( - )	2.
	3.
(73)	1.
(10)	2.
(30)	1.
(00)	2.
	3.
(74)	
(12)	Patent

# (54) PRODUCTION OF FASCIOLA ANTIGENS USED IN PREPARATION OF VACCINE AND DIAGNOSTIC KIT DEPENDING ON SUITABLE TISSUE CULTURE PROTOCOLS

## Patent Period Started From 02/05/2007 and Will end on 01/05/2027

(57) The present application is concerned with method for production of fasciola antigens and in preparation of vaccine and diagnostic kit depending on suitable tissue culture protocols. Our work was planed to prepare tissue culture from collected fasciola and mainatian the collected cells viable and effective for along period of time. After cultivating the collected cells in known cultivation media, the cells were shown to be grown successfully and sould be recultivated with subsequent examination for their effectiveness andviability. Both cell contents and tissue culture solution were undergone electrophoresis and it was shown that agreat amount of proteins that are specific for fasciola were produced either in cell contents or in tissue culture solution and molecular weight of these proteins were identical to those antigens prepared from fasciola so they can be used in agar gel immundiffusion tests, elisa, and passive hemaglutination assay.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 11/02/2007

(21) PCT/NA2007/000151

(44) August 2015

(45) 07/12/2015

(11) |27370

(51)	Int. Cl. 8 A01N 37/20, 43/08 & C07D 333/38, 233/87, 333/40
(71)	1. ISHIHARA SANGYO KAISHA, LTD. (JAPAN)
(71)	2.
	3.
<b>(72)</b>	1. NAKAMURA, Yuji
	2. MITANI, Shigeru
	3. YONEDA, Tetsuo
(73)	1.
` /	2.
(30)	1. (JP) 2004-235634 – 12-08-2004
	2. (JP) 2005-178614 – 17/06/2005
	3. (PCT/JP2005/014970) – 10-08-2005
(74)	SOHER MEKHAEL REZK
(12)	Patent

## (54) FUNGICIDAL COMPOSITION CONTAINING ACID AMIDE DERIVATIVE

## Patent Period Started From 10/08/2005 and Will end on 09/08/2025

(57) The present invention provides a fungicidal composition containing an acid amide derivative of the formula (I) or a salt thereof, as an active ingredient: wherein A is phenyl which may be substituted, benzyl which may be substituted, naphthyl which may be substituted, heterocyclic ring which may be substituted, or the like; B is heterocyclic ring which may be substituted, fused heterocyclic ring which may be substituted, fused heterocyclic ring which may be substituted, or naphthyl which may be substituted; each of R1 and R2 which are independent of each other, is alkyl, or the like; R3 is hydrogen, or the like; each of W1 and W2 which are independent of each other, is oxygen or sulfur.

$$\begin{array}{c|cccc}
R^1 & R^2 & W^2 \\
A & & & & \\
N & & & & \\
N & & & & \\
N^1 & & & & \\
N^3 & & & & \\
\end{array} (1)$$

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 14/09/2011

(21) 1526/2011

(44) August 2015

(45) |07/12/2015

(11) 27371

(51)	Int. Cl. <sup>8</sup> A01N 43/90
(71)	1. SYNGENTA LIMITED (UNTIED KINGDOM) 2. SYNGENTA PARTICIPATIONS AG (SWITZERLAND)
	3.
(72)	1. HEMING, Alexander Mark
	2. PIERCE, Andrew James
	3. WILLIAMS, Johanna Martina
(73)	1.
( - )	2.
(30)	1. (JP) 0904659,0 – 18/03/2009
(5.5)	2. (PCT/GB2010/000464) – 12-03-2010
	3.
(74)	SOHER MEKHAEL REZK
(12)	Patent

#### **(54)** FORMULATION COMPRISING AVERMECTIN PARTICLES **COATED WITH A PHOTO - PROTECTING AGENT**

## Patent Period Started From 12/03/2010 and Will end on 11/03/2030

(57) A composition comprising a pesticide (A) selected from avermectin and a photo-protecting agent, wherein the mean diameter of the pesticide (A) particles is from 0.1 to 100?m and where the amount of photo-protecting agent in the composition does not exceed 20% of the total weight of the pesticide (A) particles plus the agent, and its use in agriculture. The avermectin particles are preferably coated with the photo-protecting agent.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 

(12)

**Patent** 



**PCT** 

- (22) 19/12/2011
- (21) 2126/2011
- (44) August 2015
- (45) 07/12/2015
- (11) 27372

(51)	Int. Cl. <sup>8</sup> A01N 43/36, 43/40, 43/80 & C07D 417/14	207/20, 401/04, 403/04, 409/12, 409/14, 413/12, 413/14,
(71)	<ol> <li>SYNGENTA PARTICIPATIONS AG (S</li> <li>SYNGENTA LIMITED (UNTIED KING</li> <li>3.</li> </ol>	
(72)	<ol> <li>RENOLD, Peter</li> <li>CASSAYRE, Jérôme Yves</li> <li>EL QACEMI, Myriem</li> </ol>	<ul><li>4. PABBA, Jagadish</li><li>5. PITTERNA, Thomas</li></ul>
(73)	1. 2.	
(30)	1. (GB) 091078,1 – 22-06-2009 2. (GB) 090767,3 - 22-06-2009 3. (GB) 10153810,6 – 17-02-2010 4. (PCT/EP2010/058207) – 11-06-2010 5. (PCT/EP2009/059563) – 24-07-2009	
(74)	SOHER MEKHAEL REZK	

## (54) INSECTICIDAL COMPOUNDS

## Patent Period Started From 24/07/2009 and Will end on 23/07/2029

(57) The invention relates to compounds of formula (I) where A1, A2, A3, A4, G, R1, R2, R3 and R4 are as defined in claim 1; or a salt or JV-oxide thereof. Furthermore, the present invention relates to processes and intermediates for preparing compounds of formula (I), to insecticidal, acaricidal, nematicidal and molluscicidal compositions comprising the compounds of formula (I) and to methods of using the compounds of formula (I) to control insect, acarine, nematode and mollusc pests.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 22/01/2012

(21) 0117/2012

(44) August 2015

(45) 07/12/2015

(11) |27373

(51)	Int. Cl. 8 C07D 231/12, 401/04, 401/06, 401/1	2, 401/14 & A01N 25/02
(71)	1. SYNGENTA PARTICIPATIONS AG (SV 2. 3.	WITZERLAND)
(72)	<ol> <li>SULZER-MOSSE, Sarah</li> <li>LAMBERTH, Clemens</li> <li>QUARANTA, Laura</li> </ol>	4. RESPONDEK, Mathias, Stephan
(73)	1. 2.	
(30)	1. (EP) 09167741,9 - 12-08-2009 2. (PCT/EP2010/061464) - 06-08-2010 3.	
(74)	SOHER MEKHAEL REZK	
(12)	Patent	

## (54) MICROBIOCIDAL HETEROCYCLES

## Patent Period Started From 06/08/2010 and Will end on 05/08/2030

The present invention relates to heterocyclic compounds of formula I which have microbiocidal activity, in particular fungicidal activity as well as methods of using the compounds of formula (I) to control microbes: wherein A is x-C(R10R11)-C(=O)-, x-C(R12R13)-C(=S)-, x-O-C(=O)-, x-O-C(=S)-, x-N(R14)-C(=O)-, x-N(R15)-C(=S)-, xC(R16R17)-SO2- or X-N=C(R30)-,, in each case x indicates the bond that is connected to R1; T is CR18 or N; Y1, Y2, Y3, and Y4 are independently CR19 or N; Q is O or S; n is 1 or 2; p is 1 or 2, providing that when n is 2, p is 1. R1 is phenyl, pyridyl, imidazolyl, or pyrazolyl; wherein the phenyl, pyridyl, imidazolyl and pyrazolyl are each optionally substituted by 1 to 3 substituents independently selected from C1-C4 alkyl, C1-C4 haloalkyl, halogen, cyano, hydroxy and amino; R2, R3, R4, R5, R6, R7, R10, R11, R12, R13, R16, R17, R18, R19 and R30 each independently are hydrogen, halogen, cyano, C1-C4alkyl, or C1-C4haloalkyl; R8, R14 and R15 each independently are hydrogen or C1-C4alkyl; and R9 is phenyl, benzyl or group (a): wherein the phenyl, benzyl and group (a) are each optionally substituted with 1 to 3 substituents independently selected from C1-C4 alkyl, C1-C4 haloalkyl, halogen, cyano, hydroxy and amino; or a salt or a N-oxide thereof.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

- (22) 24/09/2003
- (21) 947/2003
- (44) June 2015
- (45) 09/12/2015
- (11) 27374

(51)	Int. Cl. 8 A61F 2/06
(71)	1. WAEL MOHAMED NABIL LOTFEY (EGYPT) 2. 3.
(72)	1. WAEL MOHAMED NABIL LOTFEY 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

## (54) LINED BALLOON MOUNTED STENT Patent Period Started From 24/09/2003 and Will end on 23/09/2023

(57) This invention is concerned with a lined inflatable and dilatable stent (the stent is dilatable and its lining is inflatable or dilatable) that will be introduced inside vessels to control the blood (or other fluids) flow per catheter.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

## **Egyptian Patent Office**



**PCT** 

(22) 16/02/2011

(21) 0262/2011

(44) August 2015

(45) 09/12/2015

(11) 27375

(51)	Int. Cl. <sup>8</sup> A01N 43/50, 25/22
(71)	1. ISHIHARA SANGYO KAISHA, LTD. (JAPAN)
	3.
(72)	1. SHINDO, Takeshi
	2. OHNO, Hiromi
	3. ISHIBASHI, Yutaka
(73)	1.
,	2.
(30)	1. (JP) 2008-211054 – 19-08-2008
,	2. (PCT/JP2009/064811) – 19-08-2009
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) METHOD FOR CONTROLLING DEGRADATION OF AGRICULTURAL CHEMICAL ACTIVE INGREDIENT

## Patent Period Started From 19/08/2009 and Will end on 18/08/2029

(57) When Cyazofamid is formulated in accordance with a conventional formulation method, Cyazofamid is degraded in some cases. The problem to be solved by the present invention is to improve storage stability of the formulation by controlling degradation of Cyazofamid as an agricultural chemical active ingredient. The present invention provides a method for controlling degradation of an agricultural chemical active ingredient, Cyazofamid, which comprises using at least one stabilizer selected from the group consisting of epoxidized animal oil and/or vegetable oil, a nonionic surface active agent of polyoxyethylene, an anionic surface active agent of polyoxyethylene, polyhydric alcohol and a basic substance.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology





**PCT** 

(22) 09/10/2011

(21) 1686/2011

(44) August 2015 (45) 13/12/2015

(11) 27376

(51)	Int. Cl. 8 C10G 2/27, 25/00 & C07D 233/00 & C01L 3/10 & C07C 21/00
(71)	1. PETROLIAM NASIONAL BERHAD (PETRONAS) (MALASIA) 2. 3.
(72)	1. ROGERS, Robin, Don 2. HOLBREY, John 3. RODRIGUEZ, Hector
(73)	1. 2.
(30)	1. (GB) 0905896.7 - 06-04-2009 2. (PCT/GB2010/050549) - 30-03-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

#### PROCESS FOR REMOVING METALS FROM HYDROCARBONS (54) Patent Period Started From 30/03/2010 and Will end on 29/03/2030

This invention relates to a process for removing metals, particularly mercury, from hydrocarbon streams by use of an ionic liquid, where in the metal-containing hydrocarbon stream is contacted with an ionic liquid to produce a product hydrocarbon stream having reduced mercury content.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 30/09/2012

(21) 16863/2012

(44) July 2015

(45) 13/12/2015

(11) 27377

(51)	Int. Cl. 8 C01F 11/18
(71)	1. OMYA INTERNATIONAL AG (SWITZERLAND)
	3.
(72)	1. POHL, Michael
	2. RAINER, Christian
	3. PRIMOSCH, Gernot
(73)	1.
, ,	2.
(30)	1. (EP) 10003665,6 – 01-04-2010
,	2. (US) 61/342,017 – 08-04-2010
	3. (PCT/EP2011/054994) – 31-03-2011
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) PROCESS FOR OBTAINING PRECIPITATED CALCIUM CARBONATE

## Patent Period Started From 31/03/2011 and Will end on 30/03/2031

(57) The present invention provides a process for preparing a precipitated calcium carbonate product. The process comprises the steps of preparing an aqueous suspension of precipitated calcium carbonate seeds by carbonating a suspension of Ca(OH)<sub>2</sub> in the presence of 0.005 to 0.030 moles of Sr, in the form of Sr(OH)<sub>2</sub>, based upon moles of Ca(OH)<sub>2</sub> prior to or during carbonation; forming an aqueous suspension of a precipitated calcium carbonate product by carbonating a slurry of Ca(OH)<sub>2</sub> in the presence of 0.5 to 5 % by dry weight of the precipitated calcium carbonate seeds, wherein the precipitated calcium carbonate seeds have a D<sub>50</sub> that is less than the D<sub>50</sub> of the precipitated calcium carbonate product and the precipitated calcium carbonate seeds have an aragonitic polymorph content greater than or equal to the precipitated calcium carbonate product.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

#### **Egyptian Patent Office**



**PCT** 

(22) 22/01/2013

(21) 0120/2013

(44) June 2015

(45) 14/12/2015

(11) 27378

(51)	Int. Cl. 8 A23C 9/12, 9/142	
(71)	1. ARLA FOODS AMBA (DENMARK)	
	2.	
	3.	
(72)	1. HOLST, Hans Henrik	
,	2. SUNDGREN, Anja	
	3. RAUH, Valentin	
(73)	1.	
	2.	
(30)	1. (US) 61/367,131 – 23-07-2010	
( )	2. (TK) PA 2010 70540 – 10-12-2010	
	3. (PCT/EP2011/062663) – 22-07-2011	
(74)	SMAS INTELLECTUAL PROPEFTY RESPRESENTED BY,HALA WAKED	
(12)	Patent	

# (54) LACTOSE-REDUCED MILK-RELATED PRODUCT, AND A PROCESS AND MILK PROCESSING PLANT FOR ITS MANUFACTURE

#### Patent Period Started From 22/07/2011 and Will end on 22/07/2031

(57) The present invention relates to lactose-reduced milk-related products, and particularly such products having a long shelf-life. Additionally, the invention relates to a method of producing such products and a milk processing plant for the implementation of the method.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) |03/05/2011

(21) 0687/2011

(44) August 2015

(45) 15/12/2015

(11) 27379

(51)	Int. Cl. <sup>8</sup> C04B 38/00
(71)	1. SCIENCE AND TECHNOLOGY DEVELOPMENT FUND (EGYPT)
	3.
(72)	1. ALTAF HALIM BASTA MAKKAR
	2. HOUSSNI EL-SAIED MOHAMMED ALI
	3. VIVIAN FAYEZ LOTFY
(73)	1.
, ,	2.
(30)	1.
	2.
	3.
(74)	MARWA ALAA EL DIN MOHAMED ABDEL-MEGUID
(12)	Patent

## (54) PROBLEM-SOLVING TECHNOLOGY FOR ENHANCING THE PERFORMANCE OF RICE STRAW IN PRODUCTION OF ECO-EFFICIENT LIGNOCELLULOSIC COMPOSITES

#### Patent Period Started From 03/05/2011 and Will end on 02/05/2031

This invention dealing with the use of an approach to capable use rice straw (RS), as available and undesirable agro-wastes for production of environmental and economic lignocellulosic composites of particle-board type. In this respect, corn starch-based adhesive was prepared from mixing starch, as natural polymers, with poly-alcoholic synthetic polymer (Mowiol), under heat. This invented adhesive together with preservator characterized by bond strength property 96 Kgf/cm2, this value is higher than the bond strength of commercial urea-formaldehyde adhesive; UF (85 kgf/cm2(. RS-based lignocellulosic composites made from replacing 20% rice straw particles by rice straw fibers, and using corn starch-mowiol adhesive system led to improve the modulus of rupture of produced board by 231-203 %; and internal bond by 187-200%, compared to the properties of boards prepared from using UF. As well as, thes obtained properties are nearly equal to that produced from using high cost iso-cyanate adhesive (pMDI). The produced RS-composite fulfill the requirements of class H-3 & M-3 specification of American National Standard (ANSI208.1.), of particle-boards, with toxic volatilizes was sufficiently low to even satisfy the relevant E0 or E1 EN 13986 Standard.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 20/03/2012

(21) 0486/2012

(44) June 2015

(45) 16/12/2015

(11) 27380

(51)	Int. Cl. 8 D21H 17/67, 17/68, 19/38, 19/40, 21/52 & C01F 11/18 & 1/02
(71)	1. OMYA INTERNATIONAL AG 2. 3.
(72)	<ol> <li>BLUVOL, Guillermo</li> <li>KASSBERGER, Michael</li> <li>GANE, Patrick A.C</li> </ol>
(73)	1. 2.
(30)	1. (EP) 09170864.4 - 21-09-2009 2. (US) 61/340.061 - 11-03-2010 3. (PCT/EP2010/063866) - 21-09-2010
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) AQUEOUS SLURRIES COMPRISING FINE CALCIUM CARBONATE PARTICLES FOR USE IN PAPER COATINGS

#### Patent Period Started From 21/09/2010 and Will end on 21/09/2030

(57) The present invention relates to an aqueous slurry comprising natural ground calcium carbonate which has a percentage P5 by weight of particles having a diameter of less than 5.0 ?m of from 98.5 % to 90 %, a percentage P2 by weight of particles having a diameter of less than 2.0 ?m of from 96 % to 80%, wherein the ratio of P2/P5 is from 0.98 to 0.85, and wherein the slurry has a solids content of more than 78 wt%.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

#### **Egyptian Patent Office**



**PCT** 

(22) 31/07/2011

(21) 1278/2011

(44) July 2015

(45) 21/12/2015

(11) 27381

(51)	Int. Cl. <sup>8</sup> G01V 1/16
(71)	<ol> <li>GECO TECHNOLOGY B.V. (NETHERLANDS)</li> <li>3.</li> </ol>
(72)	<ol> <li>GOUJON, Nicolas</li> <li>WESTERNGECO , L.L.C.</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (US) 12/366,297 - 05-02-2009 2. (PCT/US20110/023084) - 03-02-2010 3.
(74)	ABD ELHADI FOR I.P. OFFICE
(12)	Patent

#### (54) DERIVING TILT-CORRECTED SEISMIC DATA IN A MULTI-AXIS SEISMIC SENSOR MODULE

#### Patent Period Started From 03/02/2010 and Will end on 02/02/2031

(57) A seismic sensor module includes sensing elements arranged in a plurality of axes to detect seismic signals in a plurality of respective directions, and a processor to receive data from the sensing elements and to determine inclinations of the axes with respect to a particular orientation. The determined inclinations are used to combine the data received from the sensing elements to derive tilt-corrected seismic data for the particular orientation.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 13/02/2013

(21) 0236/2013

(44) July 2015

(45) 21/12/2015

(11) 27382

(51)	Int. Cl. 8 C04B 1/00		
(71)	1. SHANDONG COKING GROUP CO., LTD (CHINA) 2. 3.		
(72)	<ol> <li>WANG, Qingtao</li> <li>YU, Xianjin</li> <li>ZHAO, Xin</li> </ol>	<ul><li>4. GONG, Benkui</li><li>5. WEI, Zhenxia</li><li>6. LI, Yueyun</li></ul>	7. MING, Jun
(73)	1. 2.		
(30)	1. (CN) 201010293048.8 - 27-09-2010 2. (PCT/CN2011/079894) - 20-09-2011 3.		
(74)	ABD ELHADI FOR I.P. OFFICE		
(12)	Patent		

### (54) METHOD FOR MANUFACTURING REDUCTIVE STONE MATERIAL USING MOLTEN SLAG

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

(57) A method for manufacturing a reductive stone material using a molten slag. The method comprises these steps: controlling the molten slag at a temperature between 1,400°C and 1,500°C, and cast molding at a controlled temperature; thermally insulating the molded molten slag at a temperature between 800°C and 1,000°C in a non-reductive atmosphere for one to five hours, and then cooling gradually to room temperature within two to five hours to acquire the reductive stone material. The method provides an energy conserving and high efficiency way of utilizing blast furnace slag. The reductive stone material produced is characterized by color stability, wear resistance, pressure resistance, non-flakiness, a low expansion coefficient, and a low contractability rate.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 09/02/2012

(21) 0223/2012

(44) June 2015

(45) 21/12/2015

(11) |27383

(51)	Int. Cl. <sup>8</sup> E21B 21/00
(71)	<ol> <li>BP CORPORATION NORTH AMERICA INC (UNITED STATES OF AMERICA)</li> <li>3.</li> </ol>
(72)	1. HEIRONIMUS, Mark 2. 3.
(73)	1. 2.
(30)	1. (US) 61/223397 - 12-08-2009 2. (PCT/US2010/041837) - 13/07/2010 3.
(74)	ABD ELHADI FOR I.P. OFFICE
(12)	Patent

### (54) SYSTEMS AND METHODS FOR RUNNING CASING INTO WELLS DRILLED WITH DUAL-GRADIENT MUD SYSTEMS

#### Patent Period Started From 13/07/2010 and Will end on 12/07/2030

with dual-gradient mud systems include running casing through a subsea wellhead connected to a marine riser, the casing having an auto-fill float collar, and connecting a landing string to the last casing run. The landing string includes a surface-controlled valve (SCV) and a surface-controlled ported circulating sub (PCS). The SCV and PCS are manipulated as needed when running casing, washing it down while preventing u-tubing on connections and prior to cementing to displace mixed density mud from the landing string and replace it with heavy- density mud prior to circulating below the mudline thus maintaining the dual gradient effect.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

#### **Egyptian Patent Office**



**PCT** 

(22) 28/02/2013

(21) 0340/2013

(44) June 2015

(45) 21/12/2015

(11) 27384

(51)	Int. Cl. 8 C03C 3/087
(71)	<ol> <li>PPG INDUSTRIES OHIO, INC (UNITED STATES OF AMERICA)</li> <li>3.</li> </ol>
(72)	1. SHELESTAK, Larry J 2. 3.
(73)	1. 2.
(30)	1. (US) 13/222,075 - 31-08-2011 2. (US) 61/379,772 - 03-09-2010 3. (PCT/US2011/050160) - 01-09-2011
(74)	ABD ELHADI FOR I.P. OFFICE
(12)	Patent

### (54) HIGH TRANSMITTANCE GLASS Patent Period Started From 01/09/2011 and Will end on 31/08/2031

(57) A high transmittance glass includes: Si02 in the range of 65 to 75 weight percent; Na20 in the range of 10 to 20 weight percent; CaO in the range of 5 to 15 weight percent; MgO in the range of 0 to 5 weight percent; Al203 in the range of 0 to 5 weight percent; K20 in the range of 0 to 5 weight percent; Mn02 in the range of 0.035 to 0.6 weight percent; FeO in the range of 0.0010 to 0.0030 weight percent; and Fe203 (total iron) in the range of 0.001 to 0.03 weight percent. The glass has a redox ratio in the range of 0.1 to 0.4.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 09/09/2012

(21) 1527/2012

(44) July 2015

(45) 21/12/2015

(11) |27385

(51)	Int. Cl. 8 B65D 85/76	
(71)	1. BONGRAIN S.A (FRANCE) 2.	
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(72)	1. BONNIN, Yves	
	2. RAVELET, Sebastien	
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(73)	1.	
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(30)	1. (FR) 1000939 - 09-03-2010	
	2. (PCT/FR2011/000120) – 07-03-2011	
	3.	
(74)	ABD ELHADI FOR I.P. OFFICE	
(12)	Patent	

### (54) PORTIONABLE PACKAGING FOR A FOOD PRODUCT Patent Period Started From 07/03/2011 and Will end on 06/03/2031

(57) The invention relates to a packaging that is of small size after use, economic, and practical to use, while preventing the users from soiling the fingers thereof during the opening process and when holding the product. The invention relates to a portionable packaging for a food product, which includes, in reference to the assembled packaging: a side strip (20) having two longitudinal edges (20a) connected by two end edges (20b), and having at least one curvature and/or fold to delimit a storage space for the food product (CP), two panels (10) each having a surface (10a) intended to be contacted with the product (P) and connected to a side edge (10b) which is substantially perpendicular to the surface by a folding line, the strip being attached in a detachable manner by pealing on the panels by the respective side edge thereof, in such a manner as to enclose the food product in the storage space.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 14/01/2013

(21) 0077/2013

(44) August 2015

(45) 21/12/2015

(11) 27386

(51)	Int. Cl. <sup>8</sup> E21B 23/00
(71)	1. SUNSTONE TECHNOLOGIES, LLC. (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>HUGHES, William James</li> <li>LANE, Bryan</li> <li>BRIGGS, Gary Marshall</li> </ol>
(73)	1. 2.
(30)	1. (US) 61/365,120 - 16-07-2010 2. (PCT/IB2011/053036) - 07-07-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) ELECTRICAL WIRING FOR DRILL PIPE, CASING, AND TUBING

#### Patent Period Started From 07/07/2011 and Will end on 06/07/2031

(57) An apparatus includes a first pin and a second pin. The first pin has a first joint section. The first joint section has first holes extending a length of the first joint section and terminating at a first preload face. The second pin has a second joint section. The second joint section has second holes extending a length of the first joint section and terminating at a second preload face. The second joint section is adapted to receive the first joint section and the first holes match the second holes when the first pin and the second pin are mated.

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**PCT** 

(22) 25/07/2011

(21) 1234/2011

(44) July 2015

(45) 21/12/2015

(11) 27387

(51)	Int. Cl. 8 C02F 1/14, 1/18 & B01D 1/00 & F24L 2/00	
(71)	1. 4ELEMENTS INVENT LTD (MALTA) 2. 3.	
(72)	<ol> <li>KERSCHGENS, Daniel</li> <li>SUSTR, Norbert</li> <li>WALDSTEIN-WARTENBERG, Karl Albrecht</li> </ol>	4. GRABLER-FRITZ, Franz
(73)	1. 2.	
(30)	1. (AT) A 129/2009 - 26-01-2009 2. (PCT/EP2010/050718) - 22-01-2010 3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

### (54) SOLAR THERMAL DEVICE FOR PRODUCING FRESH WATER Patent Period Started From 22/01/2010 and Will end on 21/01/2030

(57) The invention relates to a portable, solar thermal device for producing fresh water from wastewater or salt water. The device comprises a closed fluid circuit made of pipe or hose elements connected to each other having a wastewater feed and a fresh water drain, wherein the fluid circuit comprises a tilted heating section oriented substantially normal to the solar irradiation (S) for heating and evaporating the wastewater. A condensing section connected thereto and oriented substantially vertically for condensing the fresh water and heating the wastewater is provided, and a storage section for the condensed fresh water formed as a foot part is provided. The heating section of the fluid circuit comprises a solar collector for concentrating the thermal energy of the solar radiation (S) onto an evaporation surface in the interior of the heating section.

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**Egyptian Patent Office** 



**PCT** 

(22) 20/10/2011

(21) 1766/2011

(44) July 2015

(45) 24/12/2015

(11) |27388

(51)	1) Int. Cl. <sup>8</sup> D06F 75/12, 75/38		
(71)	<ol> <li>EKSEN Makine Sanayi ve Ticaret A.S. (TURKEY)</li> <li>3.</li> </ol>		
(72)	<ol> <li>TAHINCIOGLU, Besim</li> <li>3.</li> </ol>		
(73)	1. 2.		
(30)	1. (EP) 09158511.7 -22-04-2009 2. (PCT/EP 2010/055403) – 22-04-2010 3.		
(74)	ABD ELHADI OFFICE		
(12)	Patent		

### (54) IRON WITH EXTERNAL WATER RESERVOIR Patent Period Started From 22/04/2010 and Will end on 21/04/2030

(57) The present invention proposes a domestic appliance and specifically an ironing appliance having an external water reservoir connected to the appliance through a feeding tube. Water conveyed to the ironing unit is directly subjected to an independently heated inner plate where steam is directly produced and conveyed to the soleplate whose temperature being independently adjusted. The independently heated inner plate comprises a pair of covers set one above the other. The first cover receives water through its openings and channels and the second cover lying just below the first one to define an inner space allows conveyance of the water to the steam producing plate. The steam then reaches the soleplate to be applied to the cloth item being ironed.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 28/08/2011

(21) 1439/2011

(44) July 2015

(45) 24/12/2015

(11) 27389

(51)	Int. Cl. <sup>8</sup> E21B 41/00	
(71)	1. BP CORPORATION NORTH AMERICA INC. (UNITED STATES OF AMERICA) 2. 3.	
(72)	<ol> <li>CROW, Walter</li> <li>DODDS, Kevin</li> <li>RIESE, Walter, C.</li> </ol>	4. LITTLE, Chester
(73)	1. 2.	
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(74)	ABD ELHADI FOR I.P. OFFICE	
(12)	Patent	

### (54) APPARATUS AND METHOD FOR A WIRELESS SENSOR TO MONITOR BARRIER SYSTEM INTEGRITY

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

(57) This invention relates to an apparatus and a method for a wireless sensor to monitor barrier system integrity, such as used or employed during sequestration of greenhouse gases. This invention includes an apparatus for integrity monitoring of a borehole suitable for sequestration of greenhouse gases. The apparatus includes one or more sensors for placement outside of a casing to monitor a borehole, and a tool for movement within the casing to power and interrogate the one or more sensors. This invention also includes a method for monitoring integrity of a borehole suitable for sequestration of greenhouse gases or other types of well. The method includes the step of disposing one or more sensors outside a casing and the step of powering the one or more sensors with a tool inside the casing. The method also includes the step of interrogating the one or more sensors with the tool to monitor an engineered borehole and/or a natural caprock sea.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

(22) |07/02/2011

(21) 0214/2011

(44) July 2015

(45) 24/12/2015

(11) 27390

(51)	Int. Cl. 8 D06F 69/02, 89/02 & A41D 27/20
(71)	1. VI. BE. MAC. S.P.A. (ITALY) 2. 3.
(72)	<ol> <li>Guerreschi, Carlo</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (IT) VR 2010A000032 – 19-02-2010 2. 3.
(74)	HODA AHMEDABDEL HADY FOR I.P OFFICE
(12)	Patent

### (54) MACHINE FOR FORMING AND IRONING FOLDS IN PIECES OF CLOTH

#### Patent Period Started From 07/02/2011 and Will end on 06/02/2031

(57) Machine for forming and ironing folds in pieces of cloth, comprising a plate frame on which there are fixed: - a support and pressure system for supporting and pressing a template on which the piece of cloth to be worked is put, a moving system for moving a blocking plate which blocks the piece of cloth to be worked by beating the template, - a guide system for guiding at least a folding element which folds the outer edges of the piece of cloth, - an ironing plate with moving means, which is put on 10 the piece of cloth having the outer edges folded so as to iron said edges in position. The guide system comprises at least a guide profile fixed on the plate frame, and at least a translating arm which is translated according to a longitudinal direction by moving means, and comprising a rollerand a folding element, said at least an armbeing under pressure towards the at least a guide profile (66, 68) through pressing mean, so that the roller beats and slides along the edge of the at least a guide profile. In this way, the folding elemenfollows the movement of the at least an arm 20 according to the outline of the edge of the guide profile and moves according to the longitudinal direction and a transversal direction.

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PCT

(22) |23/02/2011

(21) 0299/2011

(44) July 2015

(45) 24/12/2015

(11) |27391

(51)	Int. Cl. <sup>8</sup> C08K (5/07, 5/17)& H01B 3/44
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(72)	<ol> <li>HJERTBERG, Thomas</li> <li>ENGLUND, Villgot</li> <li>William of the state o</li></ol>
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(74)	HODA AHMEDABDEL HADY
(12)	Patent

### (54) POLYOLEFIN COMPOSITION FOR MEDIUM/HIGH/EXTRA HIGH VOLTAGE

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

The present invention relates to a polyolefin composition comprising (i) a polyolefin (A), (ii) a benzophenone derivative (B) comprising the, preferably consisting of the, structural unit according to the following formula (I): wherein one or more of the Carbon atoms in the phenyl rings to which residue R1, R2, R3, R4, R5, R6, R7, R8, R9 or R10 is attached may also be a heteroatom, such as N, in which case the respective residue R1, R2, R3, R4, R5, R6, R7, R8, R9 or R10 is not present; R1, R2, R3, R4, R5, R6, R7, R8, R9 and R10 independently are hydrogen, or a hydrocarbyl group which may contain heteroatoms; or at least two of said R1, R2, R3. R4, R5, R6, R7, R8, R9 and R10 together with the ring atoms of the ring system of formula (I) they are attached to, form a further aromatic or nonaromatic ring fused to the ring system of formula (I), and wherein the ring system of formula (I) with said at least one fused further ring may further bear one to eight substituents, R1' to R8' each of which are independently selected from said same groups as R1 to R10; and n = 1 to 10; with the provisio that (i) at least one of said R1, R2, R3, R4, R5, R6, R7, R8, R9 or R10, or if present, at least one of said R1' to R8', is a hydrocarbyl group which may contain heteroatoms and which contains an amine group.

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**PCT** 

(22) 17/03/2013

(21) 0426/2013

(44) **September 2015** 

(45) 27/12/2015

(11) 27392

(51)	Int. Cl. 8 A23L 1/00 & A23D 7/005
(71)	1. NEAMAT IBRAHIM MOHAMED ALI BASSUONY (EGYPT) 2.
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(72)	1. NEAMAT IBRAHIM MOHAMED ALI BASSUONY
	2. 3.
(73)	1.
,	2.
(30)	1.
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( <b>7.</b> 4)	3.
(74)	
(12)	Patent

### (54) NATURAL MIXED PLANT JUICE (N.M.P.J) Patent Period Started From 17/03/2013 and Will end on 16/03/2033

The aim of this mixture is to increase the immune system for animals to defend infection diseases, improve the digestion system and prevent food poisoning microorganism such as Campylobacter jejune- Salmonella Anteritids, Salmonella Typhimerium, Escherichia coli 0157:H7, Listeria Monocytogenes, Staphylococcay Arus. This mixture was tested on several animals such as buffalos, cows, and birds. This mixture contains organic food (onions, garlics and lemon juice) that has no side effect on animals, increases their fertility and protects them from several diseases. This mixture improves the animal performance and increase the economic productivity of breeders that is why it is called feed animal biosecurity. Onions and garlies stimulate macrophages. Macrophage is a sub group of white blood cells that purify the bloodstream of undesirable substances and the formation of new blood cells. Onions and garlies contain organic sulfur which has anti-bacterial properties. Onions also have an important impact as an antiseptic and inhibitor of fugi and bacteria that cause food poisoning and Garlics are very effective to offset the impact of free radicals. Lemon juice provide concentration vitamin C has antibacterial properties and can be used as a cleaning emend to detoxify the immune system and balance the PH (the level of acidity ) in the colon has proven to reduce the osteoarthritis palm. Lemon juice aid digestion boost the immune system prevents heart disease, lower blood cholesterol level, stimulate the liver, and reduce inflammation. It is useful in the treatment of influenza, fevers and rheumatism. This mixture is very important because it increase the immune system of animals which is the key of resisting diseases without any side effects.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 03/04/2013

(21) 0554/2013

(44) July 2015

(45) 28/12/2015

(11) 27393

(51)	Int. Cl. <sup>8</sup> E21B 33/038, 36/00, 43,013 & 1	E02D 27/04
(71)	<ol> <li>BP CORPORATION NORTH AMERICA INC. (UNITED STATES OF AMERICA)</li> <li>BP EXPLORATION OBERATING COMPANY LIMITED (UNITED KINGDOM)</li> <li>3.</li> </ol>	
(72)	<ol> <li>SHILLING, Roy</li> <li>GULGOWSKI, Paul, W.</li> <li>MAULE, Philip, D.</li> <li>KENNELLEY, Kevin</li> <li>GREENE, Walter</li> <li>FRANKLIN, Robert, W.</li> <li>CORSO, Vicki</li> </ol>	8. OLDFIELD, Tony 9. BALLARD, Adam, L. 10. STEELE, Graeme 11. WILKINSON, David 12. THETHI, Ricky 13. NGUYEN, Chau 14. HATTON, Steve
(73)	1. 2.	
(30)	1. (US) 61/392,443 - 12-10-2010 2. (US) 61/392,899 - 13-10-2010 3. (US) 13/156,224 - 08-06-2011 4. (PCT/US2011/055695) - 11-10-2011	
(74)	ABD ELHADI OFFICE	
(12)	Patent	

### (54) MARINE SUBSEA FREE-STANDING RISER SYSTEMS AND METHODS

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

(57) A free-standing riser system connects a subsea source to a surface structure. The system includes a concentric free-standing riser comprising inner and outer risers defining an annulus there between. A lower end of the riser is fluidly coupled to the subsea source through a lower riser assembly (LRA) and one or more subsea flexible conduits. An upper end of the riser is connected to a buoyancy assembly and the surface structure through an upper riser assembly (URA) and one or more upper flexible conduits, the riser also mechanically connected to a buoyancy assembly that applies upward tension to the riser. The riser may be insulated for flow assurance, either by a flow assurance fluid in the annulus, insulation of the outside of the outer riser, or both. The system may include a hydrate inhibition system and/or a subsea dispersant system. The surface structure may be dynamically positioned.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 24/02/2010

(21) 0312/2010

(44) July 2015

(45) 30/12/2015

(11) 27394

(51)	Int. Cl. <sup>8</sup> F24J 2/54 & E04B 1/19	
(71)	1. SOCIEDAD ANÓNIMA MINERA CATALANO (SPAIN) 2. 3.	
(72)	<ul> <li>1. Javier del Pico Aznar</li> <li>2. Carlos Terra</li> <li>3. Sir Geo Aguilar Kardel</li> </ul>	a
(73)	3) 1. 2.	
(30)	1. (ES) EP 09002575 - 24-02-2009 2. 3.	
(74)	MAHMOD ELWALILY	
(12)	Patent	

### (54) SUPPORT STRUCTURE FOR SOLAR COLLECTOR Patent Period Started From 24/02/2010 and Will end on 23/02/2030

Support structure for solar collector of the type used in cylindrical parabolic collectors to support the cylindrical parabolic reflector and the absorbing tube characterized in that it comprises a main bearing structure on which a plurality of support arms for the parabolic mirrors are supported said main bearing structure being formed by two rectangular lattic grids a top one and another bottom one in a parallel and overlaying arrangement linked toether by four laterally disposed mini lattices in twos at each end and by a plurality of external lateral ties bars and interal diagonal tie bars the present invention provides the main advantages of a reduction in the number of grids needed in the construction of the bearing structure with a notable reduction in weight and volume for transport whilst maintaining the necessary rigidity of the assembly with the consequent economic saving.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 27/05/2012

(21) 0937/2012

(44) July 2015

(45) 31/12/2015

(11) 27395

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(74)	GAMAL ALDIN LOTFI ABD ALATEEF
(12)	Patent

### (54) A PACKAGED FOOD PRODUCT AND A PROCESS FOR ITS PRODUCTION

#### Patent Period Started From 26/11/2010 and Will end on 25/11/2030

(57) A packaged food product comprising a tray containing an edible composition having a layered structure, comprising: -at least one composite layer comprising puffed cereal grains embedded in a matrix of edible material; and -at least one edible coating layer deposited on said composite layer and preferably including chocolate. The matrix of edible material has, in a temperature range of between 20°C and 40°C, and preferably also in the range of from 0°C to 40°C, a pasty consistency such as to maintain its own shape in unconfined conditions.

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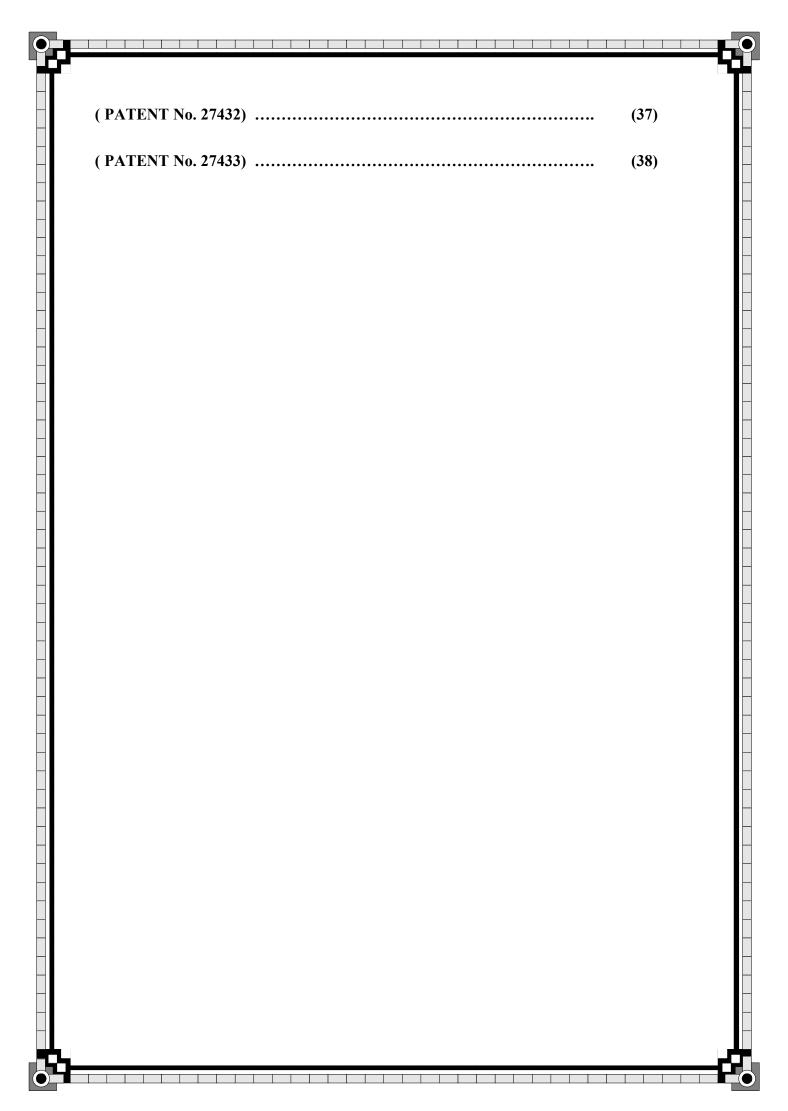
# GRANTED PATENTS' ABSTRACTS GAZETTE "PATENT ISSUED JANUARY IN 2016"

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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	30
Priority Country	
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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AR	Argentina
AT	Austria
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BU	Burma
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GD	Grenada
GE	Georgia
GH	Ghana
GM	Gambia
GN	Guinea
GQ	Equatorial Guinea
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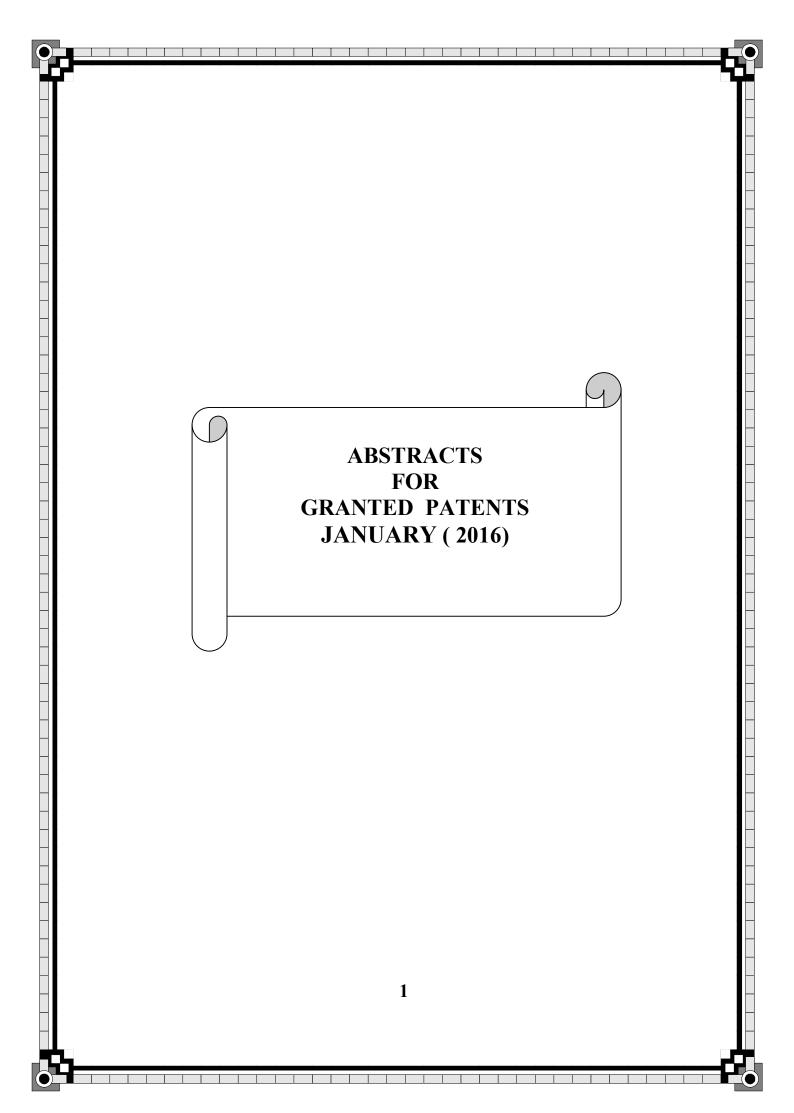
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KG	Kyrgyzstan
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KR	Republic of Korea
KW	Kuwait
KZ	Kozakhstan
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LI	Liechtenstein
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MK The Former Yugoslav ML Mali MN Mongolia MR Mauritania MT Malta MV Maldives MW Malawi MX Mexico MY Malaysia MZ Mozambique NA Namibia NE Niger NG Nigeria NI Nicaragua NL Netherlands NO Norway NZ New Zealand OM Oman PA Panama PE Peru PG Papua New Guinea PH Philippines PK Pakistan PL Poland PT Portugal PY Paraguay QA Qatar RO Romania RS Serbia RU Russian Federation RW Rwanda	Code	Country	
MN Mongolia MR Mauritania MT Malta MV Maldives MW Malawi MX Mexico MY Malaysia MZ Mozambique NA Namibia NE Niger NG Nigeria NI Nicaragua NL Netherlands NO Norway NZ New Zealand OM Oman PA Panama PE Peru PG Papua New Guinea PH Philippines PK Pakistan PL Poland PT Portugal PY Paraguay QA Qatar RO Romania RS Serbia RU Russian Federation RW Rwanda	MK	The Former Yugoslav	
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so	Somalia	
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UZ	Uzbekistan	
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ZA	South Africa
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe



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**Egyptian Patent Office** 



**PCT** 

(22) 08/12/2001

(21) PCT/NA2001/001312

(44) MAY 2015

(45) 04/01/2016

(11) 27396

(51)	Int. Cl. 8 A61P 25/28 & A61K 39/395 & C12N 15/13, 5/10
(71)	<ol> <li>ELAN PHARM INC (BERMODA)</li> <li>WYETH IIC INC (UNITED STATES OF AMERICA)</li> <li>3.</li> </ol>
(72)	<ol> <li>BASI GURIQ</li> <li>SALDANHA JOSE</li> <li>YEDNOCK, Ted</li> </ol>
(73)	1. 2.
(30)	1. (US) 60/251892 - 06-12-2000 2. (PCT/US2001/46587) 12-06-2001 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) HUMANIZED ANTIBODIES THAT RECOGNIZE BETA AMYLOID PEPTIDE Patent Period Started From 08/12/2001 and Will end on 07/12/2021

(57) The invention provides improved agents and methods for treatment of diseases associated with amyloid deposits of  $A\beta$  in the brain of a patient preferred agents include humanized antibodies.

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PCT

- (22) 15/04/2013
- (21) 0639/2013
- (44) July 2015
- (45) 05/01/2016
- (11) 27397

(51)	Int. Cl. 8 F26B 17/20 & B09B 3/00 & C02F 11/10, 11/12 & C10B 47/4, 53/00, 17/20
(71)	1. MUTSUWA KOGYO KABUSHIKI KAISHA (JAPAN) 2. 3.
(72)	1. OYAMA, Toshio 2. HOSHI, Masami 3.
(73)	1. 2.
(30)	1. (JP) 2010-235127 - 20-10-2010 2. (PCT/JP2011/005025) - 07/09/2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) DRYING/CARBONIZING DEVICE AND METHOD THEREOF Patent Period Started From 07/09/2011 and Will end on 06/09/3031

(57) This drying/carbonizing device is formed from providing within a drying chamber: a plurality of tubes, to one end of which an inlet is formed and to the other end of which an outlet is formed, of which the upper and lower ends are interconnected to each other to form a single chain, and which have rotatable screw conveyers there within that are disposed in a manner so that the outward paths and return paths vertically alternate; horizontal tubes that are attached at appropriate intervals along the lengthwise direction of the plurality of tubes and that are horizontal discharge tubes connected to the plurality of tubes; vertical tubes that are connected to the ends of the horizontal tubes and that are provided in the vertical direction; and a bottom collection tube that is provided horizontally to the bottom, links the ends of the vertical tubes, and removes gas.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

(22) 26/09/2011

(21) 1617/2011

(44) | September 2015

(45) 05/01/2016

(11) 27398

(51)	Int. Cl. 8 A61F 13/15, 13/49
(71)	1. UNI-CHARM CORPORATION (JAPAN) 2. 3.
(72)	1. KUWANO, Seiichi 2. ONO, Yoshio 3.
(73)	1. 2.
(30)	1. (JP) 2009-080272 - 27-03-2009 2. (PCT/JP2010/052495) - 19-02-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) DISPOSABLE DIAPER Patent Period Started From 19/02/2010 and Will end on 18/02/2030

(57) A disposable diaper wherein the gap occurring between the wearer's skin and leakage preventive cuffs formed on both sides of a crotch region is reduced. A disposable diaper has a pair of cuffs extending in the front-rear direction on both sides, respectively, of a crotch region and capable of stretching and contracting. One of the pair of cuffs includes first elastic members on the outer peripheral edge thereof. The other of the pair includes a base edge section fixed to the inner surface of said cuff, and also includes second elastic members attached to a free edge section thereof. A third elastic member is attached to at least either of the pair of cuffs so as to be adjacent to the portion to which the base edge section is fixed.

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**Egyptian Patent Office** 



**PCT** 

(22) 25/02/2013

(21) |0303/2013

(44) August 2015

(45) 05/01/2016

(11) 27399

(51)	Int. Cl. 8 A61F 13/15, 13/49 & B29C 43/24, 43/28
(71)	1. UNI-CHARM CORPORATION (JAPAN) 2. 3.
(72)	<ol> <li>FUJIWARA, Tomohiro</li> <li>ISHIKAWA, Osamu</li> <li>.</li> </ol>
(73)	1. 2.
(30)	1. (JP) 2010-194485 - 31-08-2010 2. (PCT/JP2011/068843) - 22-08-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

#### (54)PRESSING APPARATUS FOR ABSORBENT ARTICLES, AND PRESSING METHOD

#### Patent Period Started From 22/08/2011 and Will end on 21/08/2031

(57) A pressing apparatus is provided with a pair of rollers which are driven in rotation while the outer peripheral surfaces thereof are facing each other. When a continuous fibrous sheet on which a polymer is layered with a thermoplastic adhesive interposed is passed through the gap between the pair of rollers in the continuation direction of the continuous fibrous sheet, the polymer and the continuous fibrous sheet are compressed by the outer peripheral surfaces of the rollers into a single piece. The pressing apparatus comprises a heating mechanism for heating at least the roller on the side of the continuous fibrous sheet. The rollers are heated by the heating mechanism in such a way that the temperature of the outer peripheral surfaces of the rollers is within the range of 70°C - 120°C.

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**Egyptian Patent Office** 



**PCT** 

(22) 25/02/2013

(21) 0302/2013

(44) August 2015

(45) 05/01/2016

(11) 27400

(51)	Int. Cl. <sup>8</sup> A61F 13/15, 13/49		
(71)	1. UNI-CHARM CORPORATION (JAPAN) 2. 3.		
(72)	1. ISSHIKI, Hiroshi 2. ISHIKAWA, Osamu 3.		
(73)	1. 2.		
(30)	1. (JP) 2010-194486 - 31-08-2010 2. (PCT/JP2011/068844) - 22-08-2011 3.		
(74)	SAMAR AHMED EL LABBAD		
(12)	Patent		

### (54) DEVICE FOR MANUFACTURING ABSORBER AND METHOD FOR MANUFACTURING AIR PERMEABLE MEMBER

#### Patent Period Started From 22/08/2011 and Will end on 21/08/2031

(57) A device for manufacturing an absorber in an absorbent article by passing a gas comprising a liquid absorbent material through an air permeable member in a thickness direction, and laminating the liquid absorbent material onto the air permeable member. The air permeable member is constituted such that a plurality of plates is stacked in the thickness direction. Each of the plurality of plates has a plurality of air holes that penetrate in the thickness direction and pass the gas through. The plurality of air holes in each plate is arranged so as to connect with the corresponding air hole in the adjoining plate in the thickness direction. With respect to all the plates stacked in the thickness direction, the air holes that correspond to each other are formed in the same shape, and junctions that join adjoining plates in the thickness direction are formed in places where air holes are not formed in the plates.

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**Egyptian Patent Office** 



**PCT** 

(22) 30/05/2013

(21) 0932/2013

(44) **September 2015** 

(45) 06/01/2016

(11) 27401

(51)	Int. Cl. <sup>8</sup> C11D 1/835, 3/00		
(71)	1. UNILEVER PLC (UNITED KINGDOM) 2. 3.		
(72)	<ol> <li>CLOWES, Elizabeth, Ann</li> <li>DELROISSE, Michel, Gilbert, Jose</li> <li>GREGORY, Denis, James</li> <li>HUNTER, Robert, Allan</li> <li>JONES, Karl, Gareth, Kean</li> </ol>	<ul><li>6. MERRINGTON, James</li><li>7. NEWMAN, Mark, Nicholas</li><li>8. PERRY, Janette</li><li>9. WALSH, Shaun, Charles</li><li>10. WIGGANS, Jenny</li></ul>	
(73)	1. 2.		
(30)	1. (EP) 10193693.8 - 03-12-2010 2. (PCT/EP2011/069465) - 04-11/2011 3.		
(74)	NAHED WADE REZK		
(12)	Patent		

### (54) FABRIC CONDITIONERS Patent Period Started From 04/11/2011 and Will end on 03/11/2031

(57) An aqueous fabric conditioner composition comprising (a) from 2 to 9 wt % of a fabric softening active, by weight of the total composition, wherein the fabric softening active is an ester-linked quaternary ammonium compound having fatty acid chains comprising from 20 to 35 wt % of saturated C18 chains and from 20 to 35 wt % of monounsaturated C18 chains, by weight of total fatty acid chains; and (b) from 0.01 to 0.5 wt %, by weight of the total composition, of a floc prevention agent, which is a non-ionic alkoxylated material having an HLB value of from 8 to 18, wherein the aqueous fabric conditioner composition has a viscosity of greater than 50 cps, preferably from 55 to 200 cps as measured on a cup and bob viscometer; the viscosity being continuously measured under shear at 106s"1 for 60 seconds, at 25°C and wherein the composition leads to little or no floc formation upon addition to water.

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**PCT** 

(22) 02/11/2010

(21) 1853/2010

(44) **September 2015** 

(45) 06/01/2016

(11) 27402

(51)	Int. Cl. 8 C10B 53/02, 39/06
(71)	1. RAWYA LOTFY MANSOUR (EGYPT) 2.
	3.
(72)	1. RAWYA LOTFY MANSOUR
	2.
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(73)	1.
	2.
(30)	1.
	2.
	3.
(74)	NAHED WADE REZK
(12)	Patent

### (54) A MACHINE TO PRODUCE ORGANIC CHARCOAL POWDER (BIO – CGAR) FROM AGRICULTURAL WASTE

#### Patent Period Started From 02/11/2010 and Will end on 01/11/2030

(57) Biochar machine consist of sealed container for rice straw bales with two gates. The top gate for rice straw feeding and the bottom gate for Biochar. The Biochar unit equipped with stirrer operated with electric motor and speed reduction unit. The Biochar unit operated indirectly through combustion chamber with fuel burner to heat the sealed container from all sides indirectly. The gases produced as a result of heating the rice straw are collected and returned back to the combustion chamber through a blower.

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**Egyptian Patent Office** 



**PCT** 

(22) 27/02/2013

(21) 0323/2013

(44) **September 2015** 

(45) 06/01/2016

(11) 27403

(51)	Int. Cl. <sup>8</sup> B01J 20/08, 20/28		
(71)	1. UNILEVER PLC (UNITED KINGDOM) 2. 3.		
(72)	1. ABDUL KAREEM, Shajahan 4. PRATAP, Shailendra		
( - )	2. CHATTERJEE, Jaideep	5. RAMACHANDRA, Rajeesh Kumar	
	3. GUPTA, Santosh Kumar		
(73)	1. 2.		
(30)	1. (IN) 2560 / MUM/2010- 16-09-2010		
	2. (IN) 1018949,8 - 29-10-2010		
	3. (PCT/EP2011/064359) – 22-08-2011		
(74)	NAHED WADE REZK		
(12)	Patent		

### (54) AN ALUMINA BLOCK FILTER MEDIA Patent Period Started From 22/08/2011 and Will end on 21/08/2031

(57) The present invention relates to an activated alumina block filter media and a process for preparation of the alumina block, for use in gravity fed water filters and pressurized water filters for efficiently filtering particulate contaminants including microorganisms like cysts, bacteria and virus apart from removal of chemical contaminants while at the same time providing for relatively high flow rates. The alumina block filter media for use in gravity fed water filters and pressurized water filters comprises (a) activated alumina having a particle size in the range of 100 to 1000 microns and with a BET surface area in the range 200 to 1000 m2/g and (b) a binder material having a Melt Flow Rate (MFR) of less than 5 wherein the ratio of activated alumina particles to the binder is in the range of 1:1 to 20:1 by weight.

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**Egyptian Patent Office** 



**PCT** 

(22) 23/11/2010

(21) 1971/2010

(44) **September 2015** 

(45) 06/01/2016

(11) 27404

(51)	Int. Cl. 8 A01N 59/00, 59/12, 25/08, 25/32 & C02F 1/76 & A01P 1/00
(71)	1. UNILEVER PLC (UNITED KINGDOM) 2. 3.
(72)	<ol> <li>MAHAPATRA, Samiran;</li> <li>SAMADDER, Satyajit</li> <li>SOMAN NAIR, Prasanth, Chennothu</li> </ol>
(73)	1. 2.
(30)	1. (IN) 1287 /MUM/2008- 19-06-2008 2. (EP)08161998,3 - 07-08-2008 3. (PCT/EP2009/057011) - 08-06-2009
(74)	NAHED WADE REZK
(12)	Patent

### (54) COMPOSITION AND PROCESS FOR THE PURIFICATION OF CONTAMINATED WATER

#### Patent Period Started From 08/06/2009 and Will end on 07/06/2029

(57) The invention relates to a composition and a process for disinfection, and particularly for disinfection and purification of contaminated water. The invention is especially useful for removal of suspended impurities and harmful microbial contaminants like bacteria, viruses and cysts from water to make it healthy and palatable for human consumption. It is one object of the invention to provide for a composition for purifying water contaminated with harmful micro-organisms while ensuring that the water is safe and palatable to consume. Accordingly the invention provides a solid disinfection composition comprising an oxidising agent and a biocide quencher which is a solid matrix.

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**PCT** 

(22) 06/12/2006

(21) PCT/NA2006/001166

(44) **September 2015** 

(45) |06/01/2016

(11) 27405

(51)	Int. Cl. <sup>8</sup> B67B 7/00	
(71)	<ol> <li>SMITHKLINE BEECHAM CORPORATION</li> <li>3.</li> </ol>	(UNITED STATES OF AMERICA)
(72)	<ol> <li>CLARKE, Allan .</li> <li>DOUGHTY, DAVID, GEORGE</li> <li>FIESSER, FREDERICK, H</li> </ol>	4. RUDD,DAVID,R 5. TAINSH,DAVID,A 6. WAGNER,DAVID,S
(73)	1. GALAXOSMITHKLINE LLC (UNITED STA 2.	TE OF AMIRICA)
(30)	1. (US) 60/578245 - 09-06-2004 2. (US) 60/621992 - 25-10-2004 3. (PCT/US2005/020319) - 09-06-2005	
(74)	NAHED WADE REZK	
(12)	Patent	

#### **(54)** APPARATUS AND METHOD FOR PHARMACEUTICAL **PRODUCTION**

#### Patent Period Started From 09/06/2005 and Will end on 08/06/2025

(57) An apparatus and method for producing a pharmaceutical and pharmaceutical-like product is provided. The apparatus and method dispense a liquid dose onto a carrier substrate. The apparatus and method provide for continuous movement of the carrier substrates during the process. The apparatus and method reduce batch dosage errors and provide real-time release of the product.

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**PCT** 

- (22) 25/02/2013
- (21) 0299/2013
- (44) **September 2015**
- (45) 06/01/2016
- (11) 27406

(51)	Int. Cl. 8 B01D 63/10, 63/14, 69/02, 71/34, 71/68, 67/00, 69/14 & C02F 1/44, 1/50 & A61L 2/238
(71)	1. UNILEVER PLC (UNITED KINGDOM) 2.
	3.
<b>(72)</b>	1. MAHAPATRA, Samiran
, ,	2. SAMADDER, Satyajit
	3.
(73)	1.
. ,	2.
(30)	1. (EP) 10188448.4 - 22-10-2010
,	2. (IN) 2483/MUM/2010 - 08-09-2010
	3. (PCT/EP2011/063939) – 12-08-2011
(74)	NAHED WADI REZK
(12)	Patent

## (54) AN ANTIMICROBIAL MEMBRANE Patent Period Started From 12/08/2011 and Will end on 10/08/2031

(57) The present invention relates to an antimicrobial membrane. More particularly the present invention relates to an antimicrobial membrane for purification of drinking water under gravity by removing harmful microorganism that exists in an input water source. One of the objects of the present invention is to provide an antimicrobial membrane with relatively high life time. It is another object of the invention to provide a water purification process without producing any byproduct. Surprisingly it has now been found that, a fabric filter impregnated with a thermoplastic polymer and silver halide capable of forming a antimicrobial membrane having ultrafiltration property that has long lasting life, requiring lesser number of interventions and without producing any byproduct and yet is capable of delivering microbiologically safe water.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 22/11/2012

(21) 1943/2012

(44) **September 2015** 

(45) 06/01/2016

(11) 27407

(51)	Int. Cl. 8 A01G 29/00, 7/06
(71)	1. AHUMADA PEREZ, Alfredo (SPAIN) 2. 3.
(72)	1. AHUMADA PEREZ, Alfredo 2. 3.
(73)	1. 2.
(30)	1. (SE) 201000575 - 22-05-2010 2. (PCT/ES2011/070377) - 25-05-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) INJECTION PICK OF THE NUTRIENTS AND INSECTICIDES INTO TREES AND PALMACCAS TRUNK

#### Patent Period Started From 25/05/2011 and Will end on 24/05/2031

(57) The invention relates to an injection pick for dosing systemic and nutritional products into trees and Palmaceae. The invention is characterised in that, once installed in the trunk, it can repeatedly dose any type of systemic or nutritional product in an environmentally friendly manner. The invention comprises an easy-to-install plastic cannula formed by four interconnected parts and the design thereof allows the selected nutritional product or systemic insecticide to be easily applied, preventing continued wounds that could damage the trunk or stem of the plant. The invention comprises the following elements: pick, cover, catch and key.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

(22) 01/08/2012

(21) | 1350/2012

(44) **September 2015** 

(45) 06/01/2016

(11) 27408

(51)	Int. Cl. <sup>8</sup> A61F 9/00 & B65D 47/18
(71)	1. LABORATOIRES THEA (FRANCE) 2. 3.
(72)	<ol> <li>DEFEMME, Alain</li> <li>MERCIER, Fabrice</li> <li>.</li> </ol>
(73)	1. 2.
(30)	1. (FR) 10/00457 - 04-02-2010 2. (PCT/IB2011/000182) - 03-02-2011 3.
(74)	MAGDA HAROUN
(12)	Patent

### VIAL FOR PACKAGING A LIQUID HAVING A DRIP DISPENSING HEAD

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

(57) The invention relates to a vial for packaging a liquid to be dispensed as a drip including a vessel having a deforming wall that can be elastically reversed by means of intake of air into the vessel, with a liquid-dispensing head mounted thereon, comprising a dropper tip projecting from the vial and an anti-bacterial filtering membrane, made to be partially hydrophilic and partially hydrophobic, which is placed across the flow of liquid and air, at the base of said dropper tip. The dispensing head comprises a hollow-body insert containing a porous pad regulating the liquid flow placed downstream from the vessel and upstream from a chamber defined downstream by said membrane. At the base of said insert on the inside of the vial, longitudinal arches supporting a central pad arrange a star formation of passages radially guiding the air that enters the vial after having passed through the porous pad.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 02/09/2013

(21) | 1378/2013

(44) | September 2015

(45) 11/01/2016

(11) 27409

(51)	Int. Cl. 8 A23C 19/00 & A23L 1/00	
(71)	1. NATIONAL RESEARCH CENTER (EGYP' 2. 3.	Γ)
(72)	<ol> <li>Safinaz El-Sayed Abd Rabou El-Shibiny</li> <li>Mona Abd El- Kader Mohamed Abd El- Gawad</li> <li>Faiza Mohamed Assem</li> </ol>	<ul><li>4. Faten Lotfy Seleet</li><li>5. Shereen Abdel Gawad Abo Dawood</li><li>6. Mostafa Mohamed Al-Aasser</li></ul>
(73)	1. 2.	
(30)	1. 2. 3.	
(74)		
(12)	Patent	

### (54) DEVELOPMENT OF ECONOMIC PROCESSED CHEESE HIGH IN NUTRITIVE VALUE AND HEALTH PROPERTIES

#### Patent Period Started From 02/09/2013 and Will end on 01/09/2033

Processed cheeses are widely accepted dairy product due to its special and diversified physical and sensory properties. Processed cheeses can be produced with different flavours and they have good keeping quality at room temperature. Processed can be formulated from different proportions of natural cheeses (fresh and ripened) and other milk and food ingredients and emulsifying salts and stabilizers. Food processing, in general, results in several underutilized by-products, though most of them are rich in valuable nutrients. Rice bran is a by-product of rice milling. It represents the outer part of the rice grain and rice germ. Rice bran is rich in proteins unsaturated oil, fibers and antioxidants. However, rice bran suffers from rapid deterioration due to the presence of enzymes capable for hydrolysis and oxidation of rice bran oil which can be inhibited by heat treatment such as received during the manufacture of processed cheese. The present invention describes the development of economic processed cheese of high nutritive value and health properties based on inclusion of rice bran in processed cheese formulation after simple technological treatment without any adverse effect on the quality of the product. Processed cheese of acceptable composition and properties can be made with inclusion of rice bran representing 1-10% of the cheese solids and preferably to represent 2-6%

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 11/04/2013

(21) 0614/2013

(44) July 2015

(45) 11/01/2016

(11) 27410

(51)	Int. Cl. 8 A23L 3/26, 3/35 & A23B 7/154
(71)	<ol> <li>CONSUMO EM VERDE (PORTUGAL)</li> <li>BIOTECNOLOGIA DAS PLANTAS, S.A.</li> </ol>
	<ol> <li>BIOTECNOLOGIA DAS PLANTAS, S.A.</li> <li>BIOTECNOLOGIA DAS PLANTAS, S.A.</li> </ol>
(72)	1. CARREIRA, Alexandra Manuela LourenCo
	2. VALADAS DA SILVA MONTEIRO, Sara Alexandra
	3. DE SEIXAS BOAVIDA FERREIRA, Ricardo Manuel
(73)	1.
	2.
(30)	1. (PT) 105331 - 12-10-2010
	2. (GB) 1017283.1 - 13-10-2010
	3. (PCT/EP2011/067821) – 12-10-2011
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) A METHOD OF APPLYING A COMPOSITION COMPRISING AN ANTIMICROBIAL PEPTIDE AS A FOOD PRESERVATIVE

#### Patent Period Started From 12/10/2011 and Will end on 11/10/2031

(57) The inventors provide the use of a composition comprising an antimicrobial polypeptide comprising Blad or an active variant thereof to prevent or inhibit spoilage of a foodstuff by a microorganism. Also provided is a method of preventing or inhibiting spoilage of a foodstuff by a microorganism comprising administering to a foodstuff in need thereof an effective amount of a composition comprising an antimicrobial polypeptide comprising Blad or an active variant thereof.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 29/01/2012

(21) 0160/2012

(44) July 2015

(45) 11/01/2016

(11) 27411

(51)	Int. Cl. 8 B01D 53/58, 53/96 & C01C 1/12
(71)	1. SAIPEM S.P.A. (ITALY) 2.
(72)	3. 1. CASARA, Paolo 2. 3.
(73)	1. 2.
(30)	1. IT 2009A001372 - 30-07-2009 2. (PCT/EP2010/004765) - 27-07-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) PROCESS AND APPARATUS FOR RECOVERING AMMONIA FROM A GAS STREAM

#### Patent Period Started From 27/07/2010 and Will end on 06/07/2031

(57) The present invention relates to a process for the recovery of ammonia contained in a gaseous stream, said process comprising the following phases: (a) subjecting the gaseous stream containing ammonia to a washing with an aqueous washing solution having a pH lower than 7.0, with the formation of a purified gaseous stream and an aqueous solution containing an ammonium salt; (b) treating the aqueous solution containing the ammonium salt coming from phase (a) in a vertical falling film heat exchanger at a temperature from 50 to 250°C and an absolute pressure ranging from 50 KPa to 4 MPa with the formation of a regenerated washing solution and a gaseous stream comprising NH<sub>3</sub> and H<sub>2</sub>O; (c) recycling said regenerated washing solution to phase (a). The present invention also relates to equipment for effecting the above process.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

- (22) 23/10/2012
- (21) 1818/2012
- (44) **September 2015**
- (45) 11/01/2016
- (11) 27412

(51)	Int. Cl. <sup>8</sup> E21B 43/04
(71)	<ol> <li>BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)</li> <li>3.</li> </ol>
(72)	1. HAMMER, Aaron, C 2. 3.
(73)	1. 2.
(30)	1. (US) 12/771,556 - 30-04-2010 2. (PCT/US2011/033794) - 25-04-2011 3.
(74)	NAHED WADE REZK
(12)	Patent

# (54) SLURRY OUTLET IN A GRAVEL PACKING ASSEMBLY Patent Period Started From 25/04/2011 and Will end on 24/04/2031

(57) An outlet member is preferably made from a hardened material and is cut from a tubular shape at an angle of preferably 5 degrees. At its upper end it is cut away so that slurry flow can exit ports in a hardened sleeve and impinge directly onto the upstream portion of the insert. The impingement changes the flow stream angle as the flow continues through a fully tubular middle segment of the insert that leads out to an elongated exit ramp whose downstream end sits preferably flush with the outer housing wall so as to protect the insert from mechanical shocks and retain the insert axially when slurry flows through it. Other external details aid in fixation when in use.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 29/05/2013

(21) 0921/2013

(44) **September 2015** 

(45) 11/01/2016

(11) 27413

(51)	Int. Cl. <sup>8</sup> E21B 43/12
(71)	1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)
	2. 3.
(72)	1. SUN, Kai
	2. CONSTANTINE, JR., Jesse J.
(52)	3.
(73)	2.
(30)	1. (US) 12/981,897 - 30-12-2010
	2. (PCT/US2011/062232) – 28-11-2011
	3.
(74)	NAHED WADE REZK
(12)	Patent

## (54) METHOD AND APPARATUS FOR CONTROLLING FLUID FLOW INTO A WELLBORE

#### Patent Period Started From 28/11/2011 and Will end on 27/11/2031

(57) In one aspect, an injection apparatus for use in a wellbore is disclosed wherein the apparatus includes a tubular housing and a shield housing disposed outside the tubular housing, the shield housing including a chamber in fluid communication with the tubular housing. The apparatus further includes a piston disposed within the shield housing, the piston coupled to a biasing member, wherein movement of the piston controls fluid communication between the chamber and the wellbore, and wherein the movement of the piston is caused by a pressure change of a fluid within the tubular housing.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 05/07/2011

(21) 1153/2011

(44) **September 2015** 

(45) 12/01/2016

(11) 27414

(51)	Int. Cl. 8 H02N 2/14
(71)	1. MINA EDWAR AZIZ ABDUL-SHAHEED (EGYPT) 2. 3.
(72)	1. MINA EDWAR AZIZ ABDUL-SHAHEED 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

# (54) BRUSHLESS WOUND ROTOR INDUCTION MOTOR Patent Period Started From 05/07/2011 and Will end on 04/07/2031

Brushless wound rotor induction motor is a normal wound rotor induction motor controlled by means of changing rotor resistance. Rotor resistance is controlled by a control circuit which uses power electronics to vary rotor current simulating resistance variation and control signal is transferred to control circuit (fixed to the rotor body) using non-electrical medium (optical signals) to provide complete isolation of rotor circuit (the same as squirrel cage induction motor) and to eliminate need for brushes and slip rings used in normal wound rotor induction motor. Thus it provides easier, smoother control for high currents, increased efficiency on long time run and availability for digital control

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 16/03/2011

(21) 0414/2011

(44) August 2015

(45) 12/01/2016

(11) 27415

(51)	Int. Cl. <sup>8</sup> F24C 3/00
(71)	1. REHAB MOHAMED AHMED HUSSAIN (EGYPT) 2. 3.
(72)	1. REHAB MOHAMED AHMED HUSSAIN 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

#### (54)STOVEWORKING BY ELECTRIC ANALYSIS OF WATER Patent Period Started From 16/03/2011 and Will end on 15/03/2031

The device is: (creation of hydrogen by water electric analysis and use it in a stove) as following: A cube of S.S filled with water (1 liter) dissolved 30 gm of (Na cl) which eases the passage of current in the solution by submerged electrodes. The electrodes mustn't touch each other or the body of cube. Electric source (12 V-12.5A) passes through cathode/ anode, separation of hydrogen & oxygen occurred by the passage of current in electrodes. (HH-O) collected in a tank, connect it to stove through (back fire device) to a regulator then we create a torch by burning hydrogen & oxygen mix.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 21/08/2013

(21) 1338/2013

(44) **September 2015** 

(45) 13/01/2016

(11) |27416

(51)	Int. Cl. 8 C01B 21/26, 21/38 & B01D 53/86	
(71)	1. ThyssenKrupp Uhde GmbH (GERMANY) 2. 3.	
(72)	1. SCHWEFER, Meinhard 2. SIEFERT, Rolf	4. RUTHARDT, Klau 5. GROVES, Michael
	3. FUCHS, Jürgen	3. GROVES, MICHAEL
(73)	1. 2.	
(30)	1. (DE) 10 2011 011881.0 - 21-02-2011	
	2. (PCT/EP2012/000642) – 14-02-2012 3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

# (54) METHOD FOR REMOVING NO<sub>X</sub>, N<sub>2</sub>O FROM THE NITRIC ACID PRODUCTION PROCESS, AND AN INSTALLATION SUITABLE FOR SAME Patent Period Started From 14/02/2012 and Will end on 13/02/2032

The invention relates to a method for producing nitric acid by catalytically oxidising NH<sub>3</sub> with oxygen **(57)** and then reacting the obtained NO<sub>x</sub> with an absorption agent in an absorption tower, said tower comprising a catalyst bed for N<sub>2</sub>O decomposition arranged in the process gas after the catalytic NH<sub>3</sub> oxidation and before the absorption tower in the direction of flow, and a catalyst bed for NO<sub>x</sub> reduction and further N<sub>2</sub>O reduction, arranged in the residual gas after the absorption tower in the direction of flow. In the catalyst bed for N<sub>2</sub>O decomposition that is arranged in the process gas, as much N<sub>2</sub>O as possible is broken down such that before the residual gas enters the catalyst bed for NO<sub>x</sub> reduction, the N2O content is at > 100 ppmv and a molar N<sub>2</sub>O/NO<sub>x</sub> ratio of > 0.25 is the result; the catalyst bed for NO<sub>x</sub> reduction and further N<sub>2</sub>O reduction, arranged in the residual gas, containing at least one zeolite catalyst loaded with iron; there being such an amount of NH3 added to the residual gas prior to entry into the catalyst bed that upon exit from the catalyst bed, an  $NO_x$  concentration of < 40 ppmv results; and the operating parameters being selected so as to produce an N<sub>2</sub>O concentration of <200 ppmv. The invention additionally relates to a nitric acid installation in which the N2O, formed during the catalytic NH<sub>3</sub> oxidation, is catalytically removed in the process gas, with the NO<sub>x</sub> content being reduced and the N<sub>2</sub>O content being further reduced in the residual gas, downstream of the absorption tower, and which is characterised in that at least the following elements are present: A) a reactor for the catalytic oxidation of NH<sub>3</sub> with oxygen to produce a process gas containing NO<sub>x</sub>, B) an absorption tower for reacting the obtained NO<sub>x</sub> from the process gas with an absorption agent, a residual gas containing NO<sub>x</sub> and N2O being the result, C) at least one first catalyst bed for N<sub>2</sub>O.decompsition through which the process gas and which is arranged after the catalytic NH<sub>3</sub> oxidation and before the absorption tower in the direction of flow, D) at least one second catalyst bed for NO<sub>x</sub> reduction and further N<sub>2</sub>O reduction, through which the residual gas flows and which is arranged after absorption tower in the direction of flow, E) at least one device, for feeding a gaseous reduction agent into the residual gas, arranged after the absorption tower and before the second catalyst bed in the direction of flow, F) the first catalyst bed containing a catalyst for decomposing N<sub>2</sub>O, and G) the second catalyst bed containing a catalyst which contains at least one zeolite loaded with iron. The method and installation allow N<sub>2</sub>O and NO<sub>3</sub> emissions from nitric acid installations to be reduced in a particularly efficient manner.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



PCT

(22) 17/06/2013

(21) 1036/2013

(44) **September 2015** 

(45) 13/01/2016

(11) 27417

(51)	Int. Cl. 8 C09K 8/42, 8/46 & C04B 14/16, 14/18, 18/16, 28/04
(71)	1. HALIBURTON ENERGY SERVICES, INC. (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>BRENNEIS, Chad D.</li> <li>KARCHER, Jeffery D.</li> <li>RODDY, Craig Wayne</li> </ol>
(73)	1. 2.
(30)	1. (US) 12/975196 - 21-12-2010 2. (PCT/GB2011/001749) - 21-12-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) SETTABLE COMPOSITIONS COMPRISING UNEXPANDED PERLITE AND METHODS OF CEMENTING IN SUBTERRANEAN FORMATIONS

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

(57) An embodiment of the present invention comprises a method of cementing comprising: placing a settable composition into a well bore, the settable composition comprising unexpanded perlite, cement kiln dust, and water; and allowing the settable composition to set. Another embodiment of the present invention comprises a method of cementing comprising: placing a settable composition into a well bore, the settable composition comprising ground unexpanded perlite, Portland cement interground with pumicite, and water; and allowing the settable composition to set. Yet another embodiment of the present invention comprises a settable composition comprising: ground unexpanded perlite; cement kiln dust; and water.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 16/09/2010

(21) 1555/2010

(44) July 2015

(45) 13/01/2016

(11) 27418

(51)	Int. Cl. 8 B26B 21/22, 21/52
(71)	1. THE GILLETTE COMPANY (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>BRIDGES, Kelly Daniel</li> <li>LEE Alejandro Carlos</li> <li>HANEY Carl Phillip</li> </ol>
(73)	1. 2.
(30)	1. (US) 12/563.219 - 21-09-2009 2. 3.
(74)	SONYA F. FARAG
(12)	Patent

# (54) SHAVING RAZORS AND CARTRIDGES Patent Period Started From 16/09/2010 and Will end on 15/09/2030

(57) A shaving razor with a housing dimensioned to receive at least one blade. The housing has a pair of spaced apart opposing parallel walls each defining a fully enclosed opening that extends completely through the respective walls.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) |04/06/2012

(21) 1000/2012

(44) **September 2015** 

(45) 14/01/2016

(11) 27419

(51)	Int. Cl. 8 H01J 1/00
(71)	1. HANY SELIM GIRGIS (EGYPT) 2. 3.
(72)	1. HANY SELIM GIRGIS 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

# (54) A FULLY MAINTENANCE FREE SOLAR STREET LIGHTING Patent Period Started From 04/06/2012 and Will end on 03/06/2032

(57) A street lighting unit that does not need maintenance for many years; no need for changing bulbs since it uses Light Emitting Diode bulbs (LED), also the storage of solar energy does not depend on the use of limited life batteries, that need follow up and replacement, but uses the long life super capacitors for the energy storage. Precipitating dust on the solar panel, which can lead to the deterioration of efficiency is self-cleaned by extracting water from the air. Also to optimize power consumption to reduce the area of the solar panel and to reduce the capacitance of the super capacitors, and thus their price, a smart electronic circuit controls the electrical energy consumed, according to the amount of stored energy left taking into account a preprogrammed model for the distribution of light intensity at different hours of the night, and affected also by the presence of persons or vehicles sensed nearby.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 19/06/2013

(21) 1135/2012

(44) **September 2015** 

(45) 17/01/2016

(11) 27420

(51)	Int. Cl. <sup>8</sup> F24J 2/54 & F16C 17/02, 33/16
(71)	<ol> <li>SAINT-GOBAIN PERFORMANCE PLASTICS PAMPUS GMBH (GERMANY)</li> <li>3.</li> </ol>
(72)	<ol> <li>WEIDEN, Janaki</li> <li>HELDMANN, JOrg</li> <li>WEIDEN, Janaki</li> </ol>
(73)	1. 2.
(30)	1. (US) 61/291,799 - 31-12-2009 2. (PCT/EP2010/070975) - 31-12-2010 3.
(74)	SMAS FOR INTELLECTUAL PROPERTY COMPANY
(12)	Patent

#### **(54)** RENEWABLE ENERGY SOURCE INCLUDING AN ENERGY CONVERSION STRUCTURE AND A BEARING COMPONENT

#### Patent Period Started From 31/12/2010 and Will end on 30/12/2030

(57) A power generation structure for generating power from a renewable energy source including a base, an energy conversion structure connected to the base, and an articulating joint between the base and the energy conversion structure, the articulating joint comprising a bearing member having a body including a composite material having a rigid material and a friction-reducing material overlying the rigid material, wherein the rigid material comprises a material selected from the group of consisting of aluminum and stainless steel.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 29/06/2011

(21) 1126/2011

(44) **September 2015** 

(45) 17/01/2016

(11) 27421

(51)	Int. Cl. 8 C09K 8/80 & C04B 35/10 & E21B 43/26	7
(71)	1. SAINT-GOBAIN CERAMICS & PLASTICS, 2. 3.	INC (UNITED STATES OF AMERICA)
(72)	<ol> <li>SAN-MIGUEL, Laurie</li> <li>DICKSON, Kevin, R</li> <li>FUSS, Tihana</li> </ol>	4. STEPHENS, Walter, T
(73)	1. 2.	
(30)	1. (US) 61/141.890 - 31-12-2008 2. (PCT/US2009/069965) - 31-12-2009 3.	
(74)	SMAS FOR INTELLECTUAL PROPERTY COM	PANY
(12)	Patent	

## (54) CERAMIC ARTICLE AND PROCESS FOR MAKING THE SAME Patent Period Started From 31/12/2009 and Will end on 31/12/2029

(57) Disclosed is a process for producing ceramic particles, such as proppants, that have at least 10 percent total porosity. The process includes forming a particle precursor that includes 5 percent to 30 percent of a first ceramic material and at least 40 percent of a second ceramic material. The sintering temperature of the first ceramic material may be lower than the sintering temperature of a second ceramic material. Heating the precursor to a maximum temperature above the sintering temperature of the first material and below the sintering temperature of the second material. Also disclosed is a ceramic article that has a particular combination of chemistry and alumina crystalline phase.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 14/05/2012

(21) | 0869/2012

(44) **September 2015** 

(45) 17/01/2016

(11) 27422

(51)	Int. Cl. 8 C08K 9/04, 3/26, 5/09, 5/098 & C01F 11/18, C09C 1/02
(71)	1. OMYA DEVELOPMENT AG (SWITZERLAND) 2. 3.
(72)	<ol> <li>KNERR, Michael</li> <li>BURI, Matthias</li> <li>GANE, Patrick A.C.</li> </ol>
(73)	1. 2.
(30)	1. (EP) 09176445.6 - 19-11-2009 2. (PCT/EP2010/067097) 09-11-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) ACID MODIFIED NATURAL MINERAL FILLER TO INITIALIZE THE BETA-NUCLEATION OF POLYPROPYLENE

#### Patent Period Started From 09/11/2010 and Will end on 08/11/2030

(57) The present invention relates to a composition for beta-nucleation of polypropylene, comprising: (a) a particulate mineral solid support, comprising a compound of a IUPAC Group 2 metal, and (b)on the surface of the particulate solid support (b1) a salt of a dicarboxylic acid, wherein the dicarboxylic acid has from 7 to 10 carbon atoms, and (b2)a dispersing and/or grinding agent.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

(22) 12/03/2014

(21) 0385/2014

(44) | September 2015

(45) 17/01/2016

(11) 27423

(51)	Int. Cl. <sup>8</sup> G01V 1/28
(71)	<ol> <li>LANDMARK GRAPHICS CORPORATION (UNITED STATES OF AMERICA)</li> <li>3.</li> </ol>
(72)	<ol> <li>WAGNER, Robert, R.</li> <li>TAN, Xuewei</li> <li>CHEN, Zhibo</li> </ol>
(73)	1. 2.
(30)	1. (US) 61/535,567 – 16-09-2011 2. (PCT/US2012/054730) – 12-09-2012 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) METHOD AND SYSTEM OF SUBSURFACE HORIZON ASSIGNMENT

### Patent Period Started From 12/09/2012 and Will end on 11/09/2032

(57) Subsurface horizon assignment. At least some of the illustrative embodiments are methods including: obtaining, by a computer system, a seismic data volume; identifying, by the computer system, a plurality of patches in the seismic data volume, and the identifying thereby creating a patch volume; displaying, on a display device, at least a portion of the seismic data volume and the plurality of patches of the patch volume; and assigning a patch of the plurality of patches to a subsurface horizon of the seismic data volume.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 17/07/2013

(21) 1181/2013

(44) **September 2015** 

(45) 17/01/2016

(11) 27424

(51)	Int. Cl. <sup>8</sup> E21B 33/064
(71)	<ol> <li>NOBLE DRILLING SERVICES INC. (UNITED STATES OF AMERICA)</li> <li>3.</li> </ol>
(72)	1. LYLE, Orlan 2. 3.
(73)	1. 2.
(30)	1. (US) 61/433,757 - 18-01-2011 2. (PCT/US2012/021489) - 17-01-2012 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) METHOD FOR CAPPING A WELL IN THE EVENT OF SUBSEA BLOWOUT PREVENTER FAILURE

### Patent Period Started From 17/01/2012 and Will end on 16/01/2032

(57) A method for capping a subsea wellbore having a failed blowout preventer proximate the bottom of a body of water includes lowering a replacement blowout preventer system into the water from a vessel on the water surface. The replacement blowout preventer system includes an hydraulic pressure source disposed proximate well closure elements on the replacement blowout preventer system. The replacement blowout preventer system is coupled to the failed blowout preventer. The well closure elements on the replacement blowout preventer system are actuated using the hydraulic pressure source.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

- (22) 23/12/2008
- (21) 2069/2008
- (44) March 2015
- (45) 17/01/2016
- (11) 27425

(51)	Int. Cl. 8 H05B 27/02 & G01M 19/00
(71)	1. EGYPTIAN INTERNATIONAL GAS TECHNOLOGY (EGYPT) 2.
(72)	1. HOUSAM ABD ALLA HASAN 2.
(73)	1. 2.
(30)	1. 2. 3.
(74)	HOUSAM ABD ALLA HASAN
(12)	Patent

## (54) THE SAFETY DEVICE TO EMPTY THE GAS CYLINDER Patent Period Started From 23/12/2008 and Will end on 22/12/2028

(57) The safety device to empty the gas cylinder when damage is a safety valve device The process of unloading a gas cylinder when it damages the natural gas valve safety Spindles of the cylinder (Access Flow) and prevents gas from the cylinder out without risk in the process of unloading, a cylinder inside growers to move up and down through the age of screws and by the farmers below the summit turned Btabp valve protection against The explosion of gas cylinders, and we are moving farmers against the clock, after Bblv install the cylinder base by the upper and lower base nails So as not to get out of the cylinder, there is a major Balasitoanp Orange Alawi The open side so as to prevent gas exit only through the hole on the side Gas pipe site and thus overcome this serious problem highest Rates of safety.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

### **Egyptian Patent Office**



**PCT** 

(22) 08/10/2012

(21) 1719/2012

(44) July 2015

(45) 17/01/2016

(11) 27426

(51)	Int. Cl. 8 B29C 53/58 & F16L 1/20, 9/12, 9/128, 53/00 & F17D 1/18 & H05B 3/14
(71)	1. TOTAL SA (FRANCE) 2. 3.
(72)	<ol> <li>BIGEX, Thibaud</li> <li>WOIRIN, Jerome</li> <li>WOIRIN (April 1997)</li> </ol>
(73)	1. 2.
(30)	1. (FR) 1052842 - 14-04-2010 2. (PCT/FR2011/050598) - 22-03-2011 3.
(74)	MOHAMED MOHAMED BAKIR
(12)	Patent

# (54) LINE FOR TRANSPORTING A FLUID CONTAINING A HYDROCARBON, AND METHOD FOR PRODUCING SUCH A LINE

#### Patent Period Started From 22/03/2011 and Will end on 21/03/2031

(57) The invention relates to a line for transporting a hydrocarbon, said line comprising a hollow tube extending in a longitudinal direction for transporting the fluid in the tube and having an electrically insulating outer surface, a heating layer arranged on the tube and comprising carbon fibers embedded in a polymer material, an electrical insulation layer arranged on the heating layer, a reinforcing layer arranged on the electrical insulation layer and comprising carbon fibers embedded in a polymer material, and power supply means for feeding an electrical current to the heating layer for heating the tube.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

#### **Egyptian Patent Office**



**PCT** 

#### (22) 10/12/2012

- (21) 2037/2012
- (44) June 2015
- (45) 18/01/2012
- (11) 27427

(51)	Int. Cl. <sup>8</sup> B28B 7/26, 23/00
(71)	1. OFFICINE MACCAFERRI S.P.A. (ITALY) 2. 3.
(72)	<ol> <li>FERRAIOLO, Francesco</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (IT) BO2010A000397 - 18-06-2010 2. (PCT/IB2011/052634) - 16-06-2011 3.
(74)	MAHMOUD RAGAEY ELDEKY
(12)	Patent

# (54) MOULD FOR THE CONSTRUCTION OF A PROTECTION AND SECURING ELEMENT OF THE MATTRESS TYPE AND RELEVANT METHOD

#### Patent Period Started From 16/06/2011 and Will end on 15/06/2031

(57) A mould for constructing a protection and securing element of the mattress type comprises an upper frame, a lower frame and a plurality of dies engaged in the lower frame and particularly suitable during use for receiving cement material. The upper and lower frames are modular structures which each comprise a plurality of carrier elements which are selectively connected to each other, the number and/or length of the carrier elements being variable, during use, so as to vary the length and/or the width of the mould.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 02/06/2011

(21) 1037/2011

(44) July 2015

(45) 18/01/2016

(11) 27428

(51)	Int. Cl. <sup>8</sup> A23L 1/00
(71)	1. PROF DR/ EMAN HUSSIN ELSAYD AYAD (EGYPT)
( )	2. DR/AMIRA MOHAMED GALAL MAHMOUD DARWISH (EGYPT)
	3.
(72)	1. PROF DR/ EMAN HUSSIN ELSAYD AYAD
	2. DR/AMIRA MOHAMED GALAL MAHMOUD DARWISH
	3.
(73)	1.
` ′	2.
(30)	1.
, ,	2.
	3.
(74)	FOCAL POINT- ALEXANDRIA UNIVERSITEY
(12)	Patent

### (54) INNOVATIVE FUNCTIONAL YOGHURT-LIKE PRODUCTS WITH NEW PROBIOTIC LAB

#### Patent Period Started From 02/06/2011 and Will end on 01/06/2031

Production of novel dairy product increased due to its health and nutritional benefits. Dairy industry is keeping on exploring new possibilities for expanding the diversity of its product range. The health-enhancing microorganisms known as probiotics, substances enhancing the desirable fermentation in the colon, known as prebiotics and combination of both, known as synbiotics, are important ingredients in functional foods for gastrointestinal tract (GIT). Exopolysaccharides (EPS) considered as prebiotics, can be formed by several lactic acid bacteria (LAB) which used in dairy industry to enhance the rheological quality. New probiotic and EPS producing LAB strains; L. lactis subsp lactis isolated from Human milk (healthy mothers? breast milk) and Lb. plantarum, isolated from Zabady, were phenotypically and technologically characterized then identified using 16s rRNA approach. They were selected as probiotic strain through in-vitro tests; acid and bile salts resistance. Scientific validation for the efficacy, health promoting, viability and colonization in GIT of the two strains was obtained through in-vivo tests on rats. Safety considerations were approved through biochemical and histological examinations. These strains were applied individually or as adjunct probiotic cultures mixed with commercial yoghurt starter culture; without additives and with cocoa and honey, as natural source additives representing prebiotics, in order to serve new type of syinbiotic functional yoghurt-like products (fermented dairy products). These promising strains registered in Faculty of Agriculture Saba Basha, Alexandria University Culture Collection (FABA) and can be used for other fermented foods innovation as probiotic and natural biothickner cultures.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 13/05/2012

(21) | 0982/2012

(44) **September 2015** 

(45) 19/01/2016

(11) 27429

(51)	Int. Cl. <sup>8</sup> C04B 28/14, 28/16
(71)	1. BPB LIMITED (UNITED KINGDOM)
, ,	2.
	3.
(72)	1. FISHER, Robin Daniel
,	2.
	3.
(73)	1.
,	2.
(30)	1. (GB) 0921293.7 - 04-12-2009
( )	2. (PCT/GB2010/052011) – 02-12-2010
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

#### (54)LIGHTWEIGHT GYPSUM PRODUCTS HAVING ENHANCED WATER RESISTANCE

#### Patent Period Started From 02/12/2010 and Will end on 01/12/2030

(57) The product is produced from a settable aqueous calcium sulphate dispersion which has a water to solids ratio of less than 0.4 to 1, and has distributed there through lightweight hollow bodies having waterimpervious surfaces (such as expanded polystyrene beads). The dispersion contains a hydratable cement (such as calcium sulpho aluminate) which is capable of hydration in the presence of the calcium sulphate dispersion. The hydratable cement is such that it reacts with excess water in the dispersion thereby enhancing the water resistance of the resulting product.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 25/03/2012

(21) 0532/2012

(44) | September 2015

(45) 20/01/2016

(11) 27430

(51)	Int. Cl. 8 C08F 4/02, 10/02, 4/5692 & B01J 31/22	
(71)	1. CHEVRON PHILLIPS CHEMICAL COMPANY LP (UNITED STATES OF AMERICA) 2. 3.	
(72)	<ol> <li>MCDANIEI, Max, P</li> <li>YANG, Qing</li> <li>MUNINGER, Randall, S</li> </ol>	4. BENHAM, Elizabeth, A 5. COLLINS, Kathy, S
(73)	1. 2.	
(30)	1. (US) 12/565.257 - 23-09-2009 2. (PCT/US2010/049779) - 22-09-2010 3.	
(74)	SAMAS FOR INTELLECTUAL PROPERTY COMPANY	
(12)	Patent	

#### (54)SILICA-COATED ALUMINA ACTIVATOR-SUPPORTS FOR METALLOCENE CATALYST COMPOSITIONS

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

The invention relates to metallocene catalyst compositions containing Said catalyst compositions silica-coated alumina activator-support. containing (a) at least one transition metal compound or metallocene compound; and (b) at least one activator-support; wherein the at least one activator-support comprises at least one silica-coated alumina treated with at least one electron- withdrawing anion, wherein the at least one silicacoated alumina has a weight ratio of alumina to silica in a range from 2:1, to 20:1, and the at least one electron-withdrawing anion comprises fluoride, chloride, bromide, phosphate, triflate, bisulfate, sulfate, or any combination thereof, wherein a catalyst activity of the catalyst combination is greater than 25,000 grams of polyethylene per gram of transition metal compound or metallocene compound per hour under slurry Polymerization conditions, using iso-butane as a diluent, with a Polymerization temperature of 90° C and a reactor pressure of 420 psig.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

- (22) 21/02/2012
- (21) 0309/2012
- (44) **September 2015**
- (45) 24/01/2016
- (11) 27431

(51)	Int. Cl. <sup>8</sup> F04D 29/32, 29/38
(71)	1. SHARP KABUSHIKI KAISHA (JAPAN) 2. 3.
(72)	<ol> <li>TAKEDA, Yasukata</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (JP) 2009-210295 - 11-09-2009 2. (PCT/JP2010/065301) - 07-09-2010 3.
(74)	GEORGE ABDUL AZIZ
(12)	Patent

## (54) PROPELLER FAN, MOLDING DIE, AND FLUID FEEDER Patent Period Started From 07/09/2010 and Will end on 06/09/2030

A propeller fan with two blades includes a blade and a blade, and a connection portion connecting the blades together. Each blade has a peripheral edge portion extending in an arc having a diameter D with a center axis as a center thereof, a front edge portion arranged on a forward side in a rotational direction, a rear edge portion arranged on an opposite side in the rotational direction, and a leading blade edge portion connecting the front edge portion and the peripheral edge portion. A plane which includes each intersection between the rear edge portion and the peripheral edge portion and is perpendicular to the center axis is defined as?. When the propeller fan is viewed in a direction parallel to a plane including the leading blade edge portions and the center axis, a distance H between planes? And a connected portion between the front edge portion of the blade and the rear edge portion of the blade, on a line of the center axis, satisfies 0.028? H/D? 0.056. With such a structure, a propeller fan, a molding die, and a fluid feeder which make a significant contribution in terms of energy-saving properties and resource-saving design can be provided.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 13/11/2011

(21) | 1913/2011

(44) **September 2015** 

(45) 26/01/2016

(11) 27432

(51)	Int. Cl. <sup>8</sup> C11D 1/83, 3/50, 17/00 & E03D 9/02	
(71)	1. HENKEL AG & CO. KGAA (GERMANY) 2. 3.	
(72)	<ol> <li>WARKOTSCH, Nadine</li> <li>GIESEN, Brigitte</li> <li>ERNST, Anke</li> <li>SCHRECKER, Sascha</li> </ol>	<ul><li>5. REICHERT, Christian</li><li>6. BUTTER-JENTSCH, Ralph</li><li>7. MÜHLHAUSEN, Hans-Georg</li></ul>
(73)	1. 2.	
(30)	1. (DE) - 102009003088.3 - 13-05-2009 2. (PCT/EP2010/056239) - 07-05-2010 3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

#### (54)SPHERICAL TOILET CLEANER BLOCKS, METHOD FOR THE PRODUCTION THEREOF, AND CLEANING HOLDER COMPRISING SPHERICAL TOILET CLEANER BLOCKS

#### Patent Period Started From 07/05/2010 and Will end on 06/05/2030

A toilet cleaner block, containing perfume, at least one non-ionic surfactant, at least one alkylbenzene sulfonate, and at least one olefin sulfonate, can be shaped into a rotationally symmetrical body, in particular a sphere, in a rolling machine or a press and is part of a system consisting of at least one toilet cleaner block and at least one dispenser device for application.

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**PCT** 

(22) 10/09/2010

(21) 1559/2012

(44) **September 2015** 

(45) 31/01/2016

(11) 27433

(51)	Int. Cl. 8 C04B 24/38, 28/02
(71)	1. CIMENTS FRANCAIS (FRANCE) 2. 3.
(72)	<ol> <li>FABBRIS, Faber</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (FR) 1051814 - 15-03-2010 2. (PCT/FR2011/050405) - 28-02-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) WATER RETENTION AGENT FOR CEMENTITIOUS COMPOSITIONS AND CEMENTITIOUS COMPOSITIONS CONTAINING SAME

#### Patent Period Started From 28/02/2011 and Will end on 27/02/2031

(57) The invention relates to a water retention agent for a cementitious composition, characterised in that it takes the form of a liquid aqueous suspension of at least one polysaccharide at a mass concentration of between 15 and 30 % in an aqueous solution of a strong base salt, excluding ammonium salts, with an anionic strength of between 1.25 mol/L and 15 mol/L, having a pH greater than 9 and containing an attapulgite in micronised form and at least one non-phyllitic mineral powder, referred to hereafter as filler, which is chemically inert in said aqueous suspension and which has a grain size of between 0.1 and 100 micrometres, said aqueous suspension being stable at least in a temperature range of between 5?C and 30?C. The invention also relates to the use of said agent for increasing both the viscosity and the water retention capacity of cementitious compositions without affecting the spreading ability thereof.

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# GRANTED PATENTS' ABSTRACTS GAZETTE "PATENT ISSUED FEBRUARY IN 2016"

Egyptian Patent Office

Issue No 237

**MARCH 2016** 

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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	30
Priority Country	
Issuance Date	45
International Patent Classification	51
Title	54
Abstract	57
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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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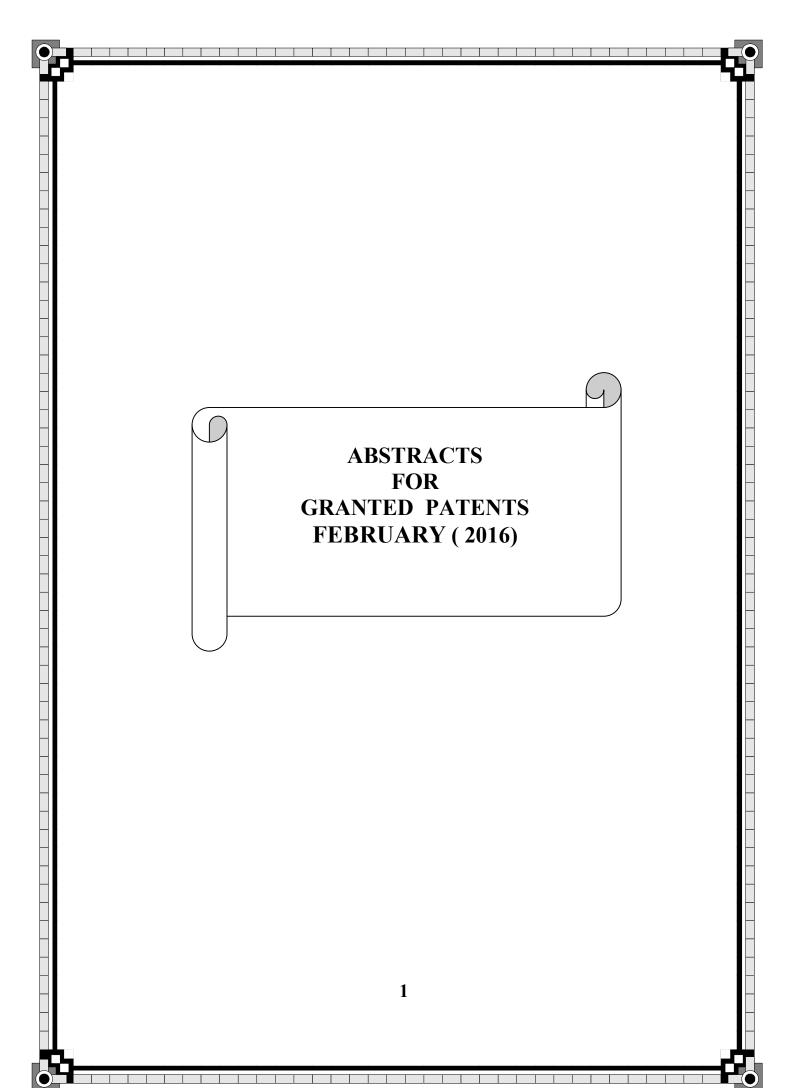
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TN	Tunisia
TR	Turkey
TT	Trindad and Topago
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UG	Uganda
US	United States of America
UY	Uruguay
UZ	Uzbekistan
VC	Saint Vincent and the Grenadines

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



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**PCT** 

(22) 29/09/2013

(21) | 1498/2013

(44) | September 2015

(45) 01/02/2016

(11) 27434

(51)	Int. Cl. <sup>8</sup> E21B 17/02, F16L 15/00
(71)	1. VALLOUREC OIL & GAS FRANCE (FRANCE) 2. 3.
(72)	<ol> <li>AMES, Jochen Peter</li> <li>CARDOSO, Alexandre Vieira</li> <li>DA SILVA, Julio Cesar</li> </ol>
(73)	1. 2.
(30)	1. PI1102442-9 - 06-05-2011 2. (EP) 11290352.1 - 01-08-2011 3. (PCT/EP2012/058141) - 03-05-2012
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

#### (54)COUPLING FOR CONNECTING TUBULAR ELEMENTS FOR **BOTTOM-HOLE ASSEMBLIES**

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

(57) The coupling comprises a tubular body with two ends of the body each provided with a portion of internal threading for joining to a tubular element, the tubular body further comprising a central portion separating the two ends each provided with a portion of threading and having a wall thickness greater than the wall thickness of the ends of the body. More precisely, this coupling comprises an extension segment that extends from one of the ends of the tubular body, after the portion of internal threading, said extension segment having the same outside diameter as that of the tubular body and an inside diameter greater than or equal to that of the portion of internal threading. Moreover, the extension segment comprises a housing, provided with an opening onto an external surface of the coupling, in which an electronically responsive identification tag is housed.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 07/06/2011

(21) 0930/2011

(44) October 2015

(45) 01/02/2016

(11) 27435

(51)	Int. Cl. 8 A01N 31/02, 41/02, 59/26 & C02 F 9/04	, 5/14
(71)	1. EGYPTIAN PETROLEUM RESEARCH INSTITUTE. (Egypt) 2. 3.	
(72)	<ol> <li>Ismail Abd El-Rhman abd El Rahim Aiad</li> <li>Atef Sayed Mohamed</li> <li>Samy Mohamed Ahmed</li> </ol>	4. Salah Mahmoud Towfiq 5. Hassan Hanafi Hassan Hanafi
(73)	1. 2.	
(30)	1. 2. 3.	
(74)		
(12)	Patent	

# (54) FORMULAS FOR KILLING THE SULFATE REDUCING BACTERIA IN CRUDE OIL RESERVOIR AND THEIR PREPARATION

#### Patent Period Started From 07/06/2011 and Will end on 06/06/2031

The present invention present as formula to kill sulphate reducing bacteria, srb in petroleum reservoirs and the method of their preparation. The new compound [ (( 3-(dodecyldimethylammonio ) propylamino ) methyl ) tris (hydroxymethyl ) - phosphonium dibromide sulfate ] was prepared by reaction of n-(3-aminopropyl) -n,n-dimethyldodecan-1-ammonium bromide with tetrakis (hydroxymethyl) phosphonium sulfate in the xylene as a solvent. The formula was tested as biocide against sulfate reducing bacteria in the laboratory at the same condition of the reservoir under high pressure and temperature. That new formula can be directly injected in the reservoir or with the injected water in the reservoir during enhancing oil recovery process. The new formula has high ability to adsorb on the cell wall of the bacteria due to the positive charge on the new prepared compound, which lead to the penetration the hydrophobic chain into the bacterial cell making disturbance their functions and finally cell death.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 07/09/2009

(21) | 1323/2009

(44) August 2015

(45) 03/02/2016

(11) 27436

(51)	Int. Cl. 8 B01F 15/00 & F16J 15/34	
(71)	1. INVENT UMWELT- UND VERFAHRENSTECHNIK AG (GERMANY) 2. 3.	
(72)	<ol> <li>HOFKEN, Marcus</li> <li>HAGSPIEL, Thomas</li> <li>FREY, Torsten</li> </ol>	
(73)	1. 2.	
(30)	1. (DE) 10 2007 013 630.9 - 19-03-2007 2. (PCT/EP2008/002124) - 18/03/2008 3.	
(74)	MOSTAFA HUSSEIN ELSHAFAY	
(12)	Patent	

# (54) DRIVE DEVICE FOR THE IMMERSED OPERATION BELOW A LIQUID SURFACE

#### Patent Period Started From 18/03/2008 and Will end on 17/03/2028

(57) The invention relates to a drive device for the immersed operation below a surface of a liquid, particularly for the immersed operation in a clearing basin, having a drive shaft guided out of a housing, wherein the drive shaft is guided through an axial face seal received in a sealing chamber for sealing the housing against penetrating liquid. In order to improve the service life of the seal, the invention provides that a line is connected to the sealing chamber for receiving an oil supply and is guided to above the surface of the liquid.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 11/09/2013

(21) 1422/2013

(44) August 2015

(45) 07/02/2016

(11) 27437

(51)	Int. Cl. <sup>8</sup> A24D 1/08	
(71)	1. ABISDID, Charléne (FRANCE)	5. BENHAYOUN, Jacques
	2. ABISDID, Charlotte	6. ETIENNE LACROIX TOUS ARTIFICES (SA)
	3. ARAGONES, Isidore	
	4. ABISDID, Marlene	
(72)	1. ABISDID, Marléne	4. THEBAULT, Pierre
	2. ABISDID, Charlene	
	3. MEDUS, Dominique	
(73)	1.	
( - )	2.	
(30)	1. (FR) 1152206 - 17-03-2011	
(= •)	2. (PCT/FR2012/050535) – 14-03-2012	
	3.	
(74)	NAHED WADE REZK	
(12)	Patent	

# (54) SELF-LIGHTING DEVICE FOR A CIGARETTE Patent Period Started From 14/03/2012 and Will end on 13/03/2032

(57) The invention relates to a self-lighting device for a cigarette, comprising a primary chemical material to be placed at the lighting end of the cigarette; and a secondary chemical material that is incompatible with the primary material, said primary and secondary materials being inflammable when they come into contact with each other. The device is characterized in that the secondary material is arranged in a receptacle designed to fit over the lighting end of the cigarette, bringing the secondary material into contact with the primary material.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



PCT

(22) 16/10/2012

(21) 1775/2012

(44) **September 2015** 

(45) 09/02/2016

(11) |27438

(51)	Int. Cl. 8 A47F 11/06
(71)	1. GOTZY, ANDRAS (HUNGARY) 2. 3.
(72)	1. GoTZY, Andras 2. 3.
(73)	1. 2.
(30)	1. (HU)P1000222 - 21-04-2010 2. (HU) P1100205 - 18-04-2011 3. (PCT/HU2001/0000.34) - 19/04/2011
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) EQUIPMENT FOR DISPLAYING INFORMATION CARRIERS, ESPECIALLY FOR ADVERTISING PURPOSES

### Patent Period Started From 19/04/2011 and Will end on 18/04/2031

The invention relates to equipment for displaying information carriers especially for advertising purposes, which equipment has a chamber (1; 20; 26; 30) for accommodating the information carrying device (11; 25; 27; 43; 56) and constructed in a way to make it possible to look into its internal space, in which chamber there is at least one transparent plate (8; 18: 37) transversal with respect to the direction of viewing, attached to the wall of the chamber, and the information carrying device is situated on this plate directly or via a supporting device attached to the transparent plate; and at least a part of the chamber wall contains strips (10a, 10b; 40) parallel to its strip (9; 39) contacting the transparent plate. The equipment is characterized by that he information carrying device (11; 25; 27, 43, 56) or/and its supporting device (38, 55) is formed by at least two objects (11a, 11b; 25a, 25b; 27a, 27b), which are situated on the two sides of the transparent plate (8; 18; 37, 50) opposite each other and the projections of which seen from the direction perpendicular to the transparent plate are identical or basically identical.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 01/02/2012

(21) 0182/2012

(44) October 2015

(45) 10/02/2016

(11) 27439

(51)	Int. Cl. 8 A43B 7/06,7/12
(71)	1. GEOX S.P.A (ITALY) 2. 3.
(72)	1. POLEGATO MORETTI, Mario 2. 3.
(73)	1. 2.
(30)	1. (EP) EP 09425335.8 - 28-08-2009 2. (PCT/EP2010/061345) - 04-08-2010 3.
(74)	MAGDA HAROUN
(12)	Patent

# (54) VAPOR-PERMEABLE SHOE Patent Period Started From 04/08/2010 and Will end on 03/08/2030

(57) Vapor-permeable shoe comprising an upper assembly that wraps around the foot insertion region (A) and is associated, in its plantar region, with a sole that has at least one vapor-permeable or perforated portion (13), wherein: - the upper assembly comprises a structural insert that has at least one waterproof portion that is sealed impermeably to the sole, covering its vapor-permeable or perforated portion, so as to prevent the infiltration of liquid, through it, toward the foot insertion region (A), - the waterproof portion being composed at least partly of a waterproof and vapor-permeable functional element that has a monolithic sheet-like structure made of a polymeric material that is impermeable to water in the liquid state and is permeable to water vapor, at least one functional portion of the functional element having such a thickness as to give it a penetration resistance that is greater than approximately 10 N, assessed according to the method presented in chapter 5.8.2 of the ISO 20344-2004 standard.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 25/07/2012

(21) | 1301/2012

(44) August 2015

(45) 11/02/2016

(11) 27440

(51)	Int. Cl. <sup>8</sup> H02M 1/092	
(71)	1. ABB TECHNOLOGY AG (SWITZERLAND) 2. 3.	
(72)	<ol> <li>HÃFNER, Jürgen</li> <li>LUNDBERG, Peter</li> <li>SILJESTRÖM, Roland</li> </ol>	4. SCHLAPBACH, Ulrich 5. BILJENGA, Bo
(73)	1. 2.	
(30)	1. (PCT/EP2010/051313) – 03-02-2010 2. 3.	
(74)	ABD ELHADI OFFICE	
(12)	Patent	

# (54) SWITCHING MODULE TO LIMIT AND/OR BREAK THE CURRENT OF AN ELECTRIC POWER LINE

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

(57) A switching module (38), intended to be used in a medium or high voltage DC breaker or a DC current limiter, comprises at least one power semiconductor switching element (1, 2), a gate unit (31) arranged to turn the at least one power semiconductor switching element on and off, respectively, according to a switching control signal, and an energy storage capacitor (25) arranged to provide power to a power supply input (29) of the gate unit. The switching module comprises further power transformation means (20) arranged to receive an optical power signal, to transform the optical power signal into an electrical power signal and to provide the electrical power signal to the energy storage capacitor (25).

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 15/04/2012

(21) 0699/2012

(44) August 2015

(45) 11/02/2016

(11) 27441

(51)	Int. Cl. <sup>8</sup> A01M 1/20
(71)	1. SOCIEDAD ESPANOLA DE DESARROLLOS QUIMICOS S.L (SPAIN) 2. 3.
(72)	1. PALENCIA ADRUBAU, Jaume 2. 3.
(73)	1. 2.
(30)	1. (ES) 200930539 - 16-10-2009 2. (PCT/EP2010/070660) - 13-10-2010 3.
(74)	ABD ELHADI OFFICE
(12)	Patent

#### **(54)** TRAPPING DEVICE FOR FRUIT-FEEDING INSECTS Patent Period Started From 13/10/2010 and Will end on 12/10/2030

The invention relates to a trapping device for fruit-feeding insects, comprising: [a] a base (2) and [b] a cover (4) which are removably connected to form an insect containment chamber (6), and [c] at least one inlet (8) through which insects can enter the chamber (6). The chamberdefining walls (18) are provided, at least partially, with a coating of contact insecticide (16) that kills insects entering the chamber once they abut against said coating.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 22/04/2013

(21) 0688/2013

(44) August 2015

(45) 11/02/2016

(11) 27442

(51)	Int. Cl. <sup>8</sup> B26B 21/44, 19/40
(71)	1. THE GILLETTE COMPANY (UNITED STATES OF AMERICA) 2.
	3.
(72)	<ol> <li>WAIN, Kevin, James</li> <li>BURROWES, Lee</li> <li>ROCKELL, Barry, Keith</li> </ol>
(73)	1. 2.
(30)	1. (ES) 201010523491 - 28-10-2010 2. (PCT/US2011/058198) - 28/10/2011 3.
(74)	AMR ELDEEB
(12)	Patent

# (54) PUMP FOR A LIQUID DISPENSING HAIR REMOVAL DEVICE Patent Period Started From 28/10/2011 and Will end on 27/10/2031

(57) A liquid dispensing unit for a hair removal device with a reservoir (220) and an applicator in liquid communication with the reservoir. first and second connector are in liquid communication with the reservoir. The first and second connector each have a respective first and second valve. A resilient tube is disposed between the connectors. The resilient tube has a neutral position with both valves closed and a second position with one valve open and one valve closed.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 17/07/2013

(21) | 1185/2013

(44) August 2015

(45) 11/02/2016

(11) 27443

(51)	Int. Cl. 8 F25D 23/06, 17/00
(71)	1. MARTINEZ AROCA, Jose Antonio (SPAIN) 2. 3.
(72)	1. MARTINEZ AROCA, Jose Antonio 2. 3.
(73)	1. 2.
(30)	1. (ES) P201100039 - 17-01-2011 2. (ES) P201101279 - 25-11-2011 3. (PCT/ES2012/000011) - 13-01-2012
(74)	ABD ELHADI OFFICE
(12)	Patent

#### (54)ELECTRICAL APPLIANCE THAT CAN ALSO BE USED IN INDUSTRY FOR COOLING OR FREEZING PRODUCTS WITH **MAXIMUM SPEED**

### Patent Period Started From 13/01/2012 and Will end on 12/01/2032

The invention relates to an electrical appliance (1) that can also be used in industry for cooling or freezing products with maximum speed, providing a novel and practical alternative for use and application, in that it can cool products in an accelerated manner, for example drinks or food, such that it only takes a few minutes. Said appliance comprises a novel double filtering system (26) for gas, incorporated into the electrical appliance (1), which, specifically arranged in the outlet end of the evaporating coil (13), generates up to eight times more speed during the periods of the cooling process, reducing the time of the cold cycle. The double filtering system (26) incorporated into the electrical appliance (1) mentioned in the patent to which we refer is essential for cooling with maximum speed.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 16/11/2011

(21) 1934/2011

(44) October 2015

(45) 11/02/2016

(11) 27444

(51)	Int. Cl. <sup>8</sup> F24F 7/00, 3/16 & A61L 9/22
(71)	1. SHARP KABUSHIKI KAISHA (JAPAN) 2. 3.
(72)	<ol> <li>MAMIYA Toshio</li> <li>URUSHISAKI MASATO</li> <li>KIYOHARA Hiroaki</li> </ol>
(73)	1. 2.
(30)	1. (JP) 2009-131322 - 29-05-2009 2. (JP) 2009-131326 - 29-05-2009 3. (JP) 2009-131329 - 29-05-2009 (PCT/JP2010/051381) - 02-02-2010
(74)	GEORGE AZIZ
(12)	Patent

# (54) ION GENERATING DEVICE FOR DUCT Patent Period Started From 02/02/2010 and Will end on 01/02/2030

(57) Provided is an ion generating device for an air-conditioner duct, which can be easily attached to the inside of an existing air conditioner duct and can ensure a desired ion generation quantity. The ion generating elements of the sub-units of the ion generating device are connected to the drive circuit of the ion generating device main unit, and are driven by the drive circuit.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

- (22) 21/02/2012
- (21) 0308/2012
- (44) October 2015
- (45) 11/02/2016
- (11) 27445

(51)	Int. Cl. <sup>8</sup> F04D 17/04, 29/66
(71)	1. SHARP KABUSHIKI KAISHA (JAPAN) 2. 3.
(72)	<ol> <li>SHIRAICHI, Yukishige</li> <li>OHTSUKA, Masaki</li> <li>.</li> </ol>
(73)	1. 2.
(30)	1. (JP) 2009-210465 - 11-09-2009 2. (PCT/JP2010/065302) - 07-09-2010 3.
(74)	GEORGE AZIZ
(12)	Patent

# (54) CROSS-FLOW FAN, MOLDING DIE, AND FLUID FEED DEVICE Patent Period Started From 07/09/2010 and Will end on 06/09/2030

Disclosed is a cross-flow fan (10) where an inner diameter (d) and an outer diameter (D) of a fan blade (21) meet the relationship expressed by 0.55? D/D? 0.95. In cross-flow fan (10), (N) representing number of fan blades (21), a chord length (L) and outer diameter (D) of fan blades (21), and (M) representing number of blade wheels (12) meet the relationships expressed by of 0.6? L/ (pD/N)? 2.8 And 0.15? pD/(N? M)? 3.77. A plurality of blade wheels (12) are stacked on each other in a manner that a displacement angle (q) is generated within the range of (1.2? 360? / (N? M))? Q? (360? /N) between adjacent blade wheels (12). The displacement angle (q) is set so that the overlapping number of fan blades (21) having an equal installation angle is at most 5% of N? M representing a total number of fan blades (21). The present invention can provide a cross-flow fan that can succeed in noise reduction, a molding die used to produce the cross-flow fan, and a fluid feeder equipped with the cross-flow fan.

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**PCT** 

(22) 21/02/2012

(21) 0307/2012

(44) October 2015

(45) 11/02/2016

(11) 27446

(51)	Int. Cl. 8 F04 D 17/04 & B29C 45/37
(71)	1. SHARP KABUSHIKI KAISHA (JAPAN) 2. 3.
(72)	<ol> <li>OHTSUKA, Masaki</li> <li>SHIRAICHI, Yukishige</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (JP) 2009-208360 - 09-09-2009 2. (PCT/JP2010/065304) - 07-09-2010 3.
(74)	GEORGE AZIZ
(12)	Patent

## (54) CROSS-FLOW FAN, MOLDING DIE, AND FLUID FEEDING DEVICE

#### Patent Period Started From 07/09/2010 and Will end on 06/09/2030

The disclosed cross flow fan is provided with a plurality of fan blades that are provided in the circumferential direction with mutually intervening gaps. The fan blades each have an inner edge disposed at the inner periphery and at which air flows in and out, and an outer edge disposed at the outer periphery and at which air flows in and out. A wing surface extending between the inner edge and the outer edge is formed on each fan blade. Each wing surface comprises a positive pressure surface disposed on the side of the direction of rotation of the cross flow fan, and a negative pressure surface disposed on the reverse side of the positive pressure surface. When sectioned in a plane that is perpendicular to the axis of rotation of the cross flow fan, each fan blade has an airfoil profile wherein depressions are formed on the positive pressure surface and the negative pressure surface. A plurality of depressions are formed on the positive pressure surface. By means of this configuration, it is possible to provide a cross flow fan exhibiting an excellent ability to blow air, a molding die used in the production of this cross flow fan, and a fluid feeding device provided with this cross flow fan.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 15/04/2007

(21) 178/2007

(44) October 2015

(45) 11/02/2016

(11) 27447

(51)	Int. Cl. 8 F16K 31/48
(71)	1. SHALABY EL-SIDE AHMED SHALABY (EGYPT) 2. 3.
(72)	1. SHALABY EL-SIDE AHMED SHALABY 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

#### **(54) DEVICE - ANTIFIRE SYSTEM AND VALCANCE** Patent Period Started From 15/04/2007 and Will end on 14/04/2027

This device depends on Gas closer during accidents of fire or ingestions for any place like ketches or buildings by firing wire or likes by cutting or firing to cancel the open case of valve to safe case of the valve The device consists of free suitable metallic weight to close the valve and put it on, when the fire cut the wire or likes, the metal weight falls and close the valve.

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### **Egyptian Patent Office**



**PCT** 

(22) 14/11/2013

(21) 1757/2013

(44) **September 2015** 

(45) 14/02/2016

(11) 27448

(51)	Int. Cl. <sup>8</sup> B63C 11/52
(71)	1. ENI S.P.A. (ITALY)
	2.
	3.
(72)	1. GASPARONI, Francesco
	2. FAVARETTO, Mauro
	3. GRASSO, Tiberio
(73)	1.
,	2.
(30)	1. (IT) MI2011A 000859 - 17-05-2011
,	2. (PCT/EP2012/059072) - 15-05-2012
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) AUTONOMOUS UNDERWATER SYSTEM FOR A 4D ENVIROMENTAL MONITORING

#### Patent Period Started From 15/05/2012 and Will end on 14/05/2030

(57) The autonomous underwater system for environmental monitoring comprising a multidisciplinary underwater station equipped with onboard instrumentation, at least one autonomous, modular underwater vehicle movable inside an area to be monitored along an assigned route 106 and at least one external instrumental modulus which can be connected to said vehicle, wherein said multidisciplinary underwater station comprises a docking area, an interface system, an equipping system for supplying the vehicle with instrumental module and a management system.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 12/04/2012

(21) 0691/2012

(44) | September 2015

(45) 14/02/2016

(11) 27449

(51)	Int. Cl. 8 A61F 13/15, 13/49
(71)	1. UNI-CHARM CORPORATION (JAPAN) 2. 3.
(72)	<ol> <li>OGASAWARA, Yoshikazu</li> <li>YANO, Takanori</li> <li>ISHIKAWA, Masahiko</li> </ol>
(73)	1. 2.
(30)	1. (JP) 2009-240708 - 19-10-2009 2. (PCT/JP2010/067735) - 08-10-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) METHOD AND DEVICE FOR REDUCING THICKNESS OF ABSORPTION BODY

#### Patent Period Started From 08/10/2010 and Will end on 07/10/2030

(57) A method for reducing the thickness of an absorption body having liquid absorptive fibers and a highly absorptive polymer. The method involves (1) conveying the absorption body by moving the absorption body while holding the absorptive body on a holding surface by sucking gas from gas suction holes in the holding surface, and (2) reducing the thickness of the absorption body by sucking a belt member, which is disposed so as to face the movement path of the holding surface and so as to be able to move along the movement path within a predetermined range of the movement path, in the predetermined range toward the holding surface by sucking gas from the gas suction holes and sandwiching the absorption body between the holding surface and the belt member.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

### **Egyptian Patent Office**



**PCT** 

(22) 18/08/2013

(21) 1306/2013

(44) | September 2015

(45) 14/02/2016

(11) 27450

(51)	Int. Cl. 8 G06F 17/50	
(71)	1. TOTAL SA (FRANCE) 2. 3.	
(72)	<ol> <li>POPINEAU, Dominique</li> <li>WIET, Paul</li> <li>FONTANABONA, Julian</li> </ol>	4. BERNARD, Michel
(73)	1. 2.	
(30)	1. (JP) 11 51198 - 14-02-2011 2. (PCT/EP2012/052235) - 09-02-2012 3.	
(74)	MOHAMAD MOHAMED BAKEER	
(12)	Patent	

### METHOD OF DETERMINING MECHANICAL PERFORMANCE **OF A STRUCTURE**

#### Patent Period Started From 09/02/2012 and Will end on 08/02/2032

(57) A method is disclosed for determining a mechanical performance parameter of a structure in which damage has caused a wall of the structure to change from an initial shape to a damaged shape. The method comprising performing measurements for geometrically characterizing an external surface of the damaged shape; modeling a test body comprising a surface substantially identical to the external surface of the damaged shape in the given area wherein the test body matches the external surface of the damaged shape; modeling a test wall having a portion of a shape substantially identical to the initial shape; calculating a deformed test wall and a stress state related to the deformation, the deformation (8a) of the test wall being caused by a relative displacement of the test body and the test wall, the relative displacement being configured to give the deformed test wall an external surface substantially identical to the external surface of the damaged shape; and evaluating mechanical performance of the deformed test wall.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 07/05/2012

(21) 0830/2012

(44) October 2015

(45) 14/02/2016

(11) 27451

(51)	Int. Cl. 8 C02F 1/04 & C05F 5/00	
(71)	1. ANGELYEAST CO., LTD (CHINA) 2. 3.	
(72)	<ol> <li>YU, Xuefeng</li> <li>LI, Zhihong</li> <li>YU, Minghua</li> <li>YAO, Juan</li> </ol>	<ul><li>5. LI, Tianle</li><li>6. TAN, Bin</li><li>7. ZHU, Jinlin</li><li>8. WANG, Hao</li></ul>
(73)	1. 2.	,
(30)	1. (CN) 200910212384.2 - 12-11-2009 2. (PCT/CN2010/078120) - 26-10-2010 3.	
(74)	MOHSEN ANWAR HASAN	
(12)	Patent	

# (54) YEAST WASTEWATER TREATMENT METHOD AND FEED ADDITIVES AND FEED PRODUCTS OBTAINED FROM THE METHOD

### Patent Period Started From 26/10/2010 and Will end on 25/10/2030

(57) A high concentration organic yeast wastewater treatment method and feed additives and feed products obtained from the method are provided. The method comprises the steps of evaporation, desalination and drying. In the method, the wastewater is changed into fertilizer and feed additives to be used by the treatment, which not only improves the economic benefits of yeast wastewater, but also greatly reduces the cost of yeast wastewater treatment. In addition, it can also increase potassium in the fertilizer so as to obtain high-grade potash.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

### (22) 05/01/2011

- (21) 0033/2011
- (44) October 2015
- (45) 15/02/2016
- (11) 27452

(51)	Int. Cl. 8 B23B 27/32, C08L 23/08, C08F 210/18, H01B 3/44
(71)	1. BOREALIS AG (AUSTRIA) 2. 3.
(72)	1. SMEDBERG, Annika 2. 3.
(73)	1. 2.
(30)	1. (EP) 08252349.9 - 10-07-2008 2. (EP) 08252356.4 - 10-07-2008 3. (PCT/EP2009/004929) - 08-07-2009
(74)	NAHED WADE REZK
(12)	Patent

# (54) PROCESS FOR PRODUCE A CABLE Patent Period Started From 08/07/2009 and Will end on 07/07/2029

(57) The invention relates to a process for produce a cable in a continuous vulcanization (CV) line, which cable comprises a conductor surrounded by one or more layers, wherein the process comprises the steps of i) applying on a conductor one or more layers by using a polymer composition which comprises A) at least one unsaturated polymer, and B) optionally a cross linking agent; to form at least one of said cable layers surrounding the conductor.

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**PCT** 

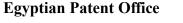
- (22) 24/04/2012
- (21) 0768/2012
- (44) October 2015
- (45) 15/02/2016
- (11) 27453

(51)	Int. Cl. <sup>8</sup> F16L 23/10 & F16B 35/00
(71)	1. TYCO FIRE PRODUCTS LP (UNITED STATES OF AMERICA)
	2. 3.
<b>(72)</b>	1. HORGAN, Michael, W
	<ul><li>2.</li><li>3.</li></ul>
(73)	1.
	L.
(30)	1. (US) 61/255.351 - 27-10-2009
	2. (PCT/US2010/054123) - 26-10-2010
	3.
(74)	NAHED WADE REZK
(12)	Patent

# (54) SYSTEMS AND METHODS FOR HINGE COUPLINGS Patent Period Started From 26/10/2010 and Will end on 25/10/2030

(57) Coupling for coupling pipe segments (2, 4). The coupling includes a first housing component (12), a second housing component (14), and a fastener coupling the first and second components together. The fastener (22) has an aligned configuration defining an axis of alignment such that first and second housing components are in a closed configuration to define a central axis of the coupling. The fastener has a skewed configuration to define a pivot axis of the fastener such that the first and second housing components are in an open configuration. The pivot axis is substantially parallel to the central axis and substantially perpendicular to the axis of alignment.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 01/03/2012

(21) 0376/2012

(44) OCTOBER 2015

(45) 15/02/2016

(11) 27454

(51)	Int. Cl. <sup>8</sup> C02F 1/00, 1/76, 1/68	
(71)	1. UNILEVER PLC 2. 3.	
(72)	<ol> <li>CHATTERJEE, Jaideep</li> <li>PRATAP, Shailendra</li> <li>GUPTA, Santosh Kumar</li> </ol>	<ol> <li>KUSHWAHA, Priyanka</li> <li>WASKAR, Morris</li> <li>RAMACHANDRAN, Rajeesh Kumar</li> </ol>
(73)	1. 2.	
(30)	1. (IN) 2126/MUM/2009 - 17-09-2009 2. (PCT/EP2010/062959) - 03-09-2010 3.	
(74)	NAHED WADE REZK	
(12)	Patent	

# (54) A WATER PURIFICATION DEVICE Patent Period Started From 03/09/2010 and Will end on 29/09/2030

(57) The invention relates to a water purification device and a process for water purification and in particular relates to a water purification device that maybe used as a gravity fed system or adapted to be connected to the main water supply. It is a single chamber water purification device which is capable of dosing a controlled level of a biocide to the water and has a filtration unit that functions as a filter-cum-scavenger. This water purification device provides several advantages over the prior art especially in terms of reducing the complexity of the device thus making it economical and reducing the number of replaceable parts without affecting the performance in terms of microbial safety or flow rate. Another advantage of the system is that it can be adapted for use with solid and liquid biocides.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology





**PCT** 

(22) 08/10/2013

(21) 1565/2013

(44) October 2015

(45) 15/02/2016

(11) 27455

(51)	Int. Cl. <sup>8</sup> F02M 27/04
(71)	1. TITANO S.R.L. (ITALY)
	2. 3.
(72)	1. BOVE, Fabrizio
	2. BOVE, Alessandro 3.
(73)	1.
	2.
(30)	1. (IT) RM2011A000198 - 19-04-2011
, ,	2. (PCT/IB2012/051484) - 28-03-2012
	3.
(74)	NAHED WADE REZK
(12)	Patent

#### (54)METHOD FOR OPTIMIZING COMBUSTION ENGINES Patent Period Started From 28/03/2012 and Will end on 27/03/2032

least one immersion container, equipped with a plurality of holes, placed in proximity to the fuel duct and containing at least one cylindrical container, equipped with a plurality of holes, in turn adapted to contain a plurality of magnetic elements spaced from each other by the same number of ceramic spacers; - treatment and magnetization of the air fed to the internal combustion engine due to at least one pair of magnets, placed on the suction duct in proximity to the engine, adapted to provide the air fed to the engine with a charge with sign opposite that provided to the fuel fed to the engine by means of devices b, c, d.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

### **Egyptian Patent Office**



**PCT** 

- (22) 17/09/2013
- (21) 1449/2013
- (44) October 2015
- (45) 15/02/2016
- (11) 27456

(51)	Int. Cl. 8 C08K 5/00, 5/05, 5/14, 5/16, 3/00 & C08F 299/04 & C08G 63/91, 63/698
(71)	1. AKZO NOBEL CHEMICALS INTERNATIONAL B.V. (NETHERLANDS) 2. 3.
(72)	<ol> <li>REIJNDERS, Johannes, Martinus, Gerardus, Maria</li> <li>KOERS, Frederik, Willem, Karel</li> <li>TALMA, Auke, Gerardus</li> </ol>
(73)	1. 2.
(30)	1. (EP) 11159558.3 - 24-03-2011 2. (US) 61/467,510 - 25-03-2011 3. (PCT/EP2012/054931) - 21-03-2012
(74)	NAHED WADE REZK
(12)	Patent

# (54) ACCELERATOR FOR CURING RESINS Patent Period Started From 21/03/2012 and Will end on 20/03/2032

(57) Accelerator solution suitable for forming a redox system with peroxides, comprising (i) a compound of a first transition metal selected from manganese and copper, (ii) a compound of a second transition metal; the weight ratio of first transition metal: second transition metal being in the range 3:1 to 200:1, (iii) a nitrogen-containing base, and (iv) a hydroxy-functional solvent, with the proviso that the accelerator solution does not contain ascorbic acid.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

- (22) 07/11/2012
- (21) 1868/2012
- (44) March 2015
- (45) 15/02/2016
- (11) 27457

(51)	Int. Cl. <sup>8</sup> G06F 17/10
(71)	1. LANDMARK GRAPHICS CORPORATION (UNITED STATES OF AMERICA) 2.
	3.
(72)	1. YARUS, Jeffrey
	2. SHI, Genbao
	3. CHAMBERS, Richard, L
(73)	1.
,	2.
(30)	1. (PCT/US2010/039163) – 18-06-2010
	2.
	3.
(74)	NAHED WADE REZK
(12)	Patent

# (54) SYSTEMS AND METHODS FOR COMPUTING A DEFAULT 3D VARIOGRAM MODEL

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

(57) Systems and methods for computing a variogram model, which utilize a vertical experimental variogram and a horizontal experimental variogram to calculate a 3D default variogram model.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 26/12/2012

(21) 2143/2012

(44) October 2015

(45) 15/02/2016

(11) 27458

(51)	Int. Cl. <sup>8</sup> G03F 7/00
(71)	1. DOAA ABD ELMONEM MUSTAFA (EGYPT) 2. 3.
(72)	1. DOAA ABD ELMONEM MUSTAFA 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

# (54) PHOTOPOLYMER WASHOUT 4 FLEXO Patent Period Started From 26/12/2012 and Will end on 25/12/2032

(57) With ever increasing desire for the availability of more environmentally acceptable products and safer alternatives for per chloro ethylene and butanol mixture in the flexo Photopolymer plates (for flexo printing) preparation workplace, So we have designed the chemistry of non chlorinated photopolymer wash out solvents. 4 Flexo is hydrocarbon alcohol compound 4 FLEXO is a new flexographic plate washout solvent designed to: 1. Good solvency 2. Replace chlorinated solvents 3. Minimize environmental impact 4. Be suitable for most equipment 5. Low odor 6. Easy recovery by distillation

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) |13/12/2011

(21) 2091/2011

(44) October 2015

(45) 10/02/2016

(11) 27459

(51)	Int. Cl. 8 D015 1/00	
(71)	<ol> <li>NATIONAL RESEARCH CENTER (EGYPT)</li> <li>FACULTY OF SCIENCE-AL-AZHAR UNIVERSITY (EGYPT)</li> <li>3.</li> </ol>	
(72)	<ol> <li>Altaf Halim Basta Makkar</li> <li>Houssni El-Saied</li> <li>Mohamed Mohamed Roshdy</li> </ol>	4. Houssni El-Saied 5. Mohamed Saied Hasanin
(73)	1. 2.	
(30)	1. 2. 3.	
(74)	FOCAL POINT IN NATIONAL RESEARCH CENT	ΓER
(12)	Patent	

# (54) ENHANCING THE PERFORMANCE OF RICE BY-PRODUCTS FOR PRODUCTION OF HIGH QUALITY NATURAL FIBERS

#### Patent Period Started From 13/12/2011 and Will end on 12/12/2031

(57) Rice is one of the major field crops in Egypt. About 1.2 MT/year rice husks (RH) is annually wasted. This enormous amount of lignocelluloses has high economic value rather than being or utilized in less profitable purposes, such as animal fodder or compost. In this action the present patent is dealing with using the natural fibers in preparing natural fiber plastic composites (NFPC). The invented used method is economical and environmentally safety, since there is no wasted liquor as resulted in the conventionally methods. This was provided by biotechnology pretreatment of rice husks by using the approach to improve its hydrophobicity without affected the fiber-strength. This technique enhanced the homogeneity between RH fibers and thermosetting and thermoplastic polymers. The NFPC produced from mixing 50% RH with polyester has MOR 40 MPas, and thickness swelling 1.27. The benefit of this technique, we can produced thermoplastic composite from mixing 50% also RH with polypropylene without utilization of coupling agent (maleic anhydride) traditionally used (2%), whereas the MOR of the produced composite is 35 MPa and thickness swelling in boiling water for 5 h is 2.8 %.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

### (22) 17/05/2011

(21) 0775/2011

(44) October 2015

(45) 16/02/2016

(11) 27461

(51)	Int. Cl. 8 B22D 41/56, 11/106, 41/50
(71)	1. VESUVIUS GROUP S.A (BELGIUM) 2. 3.
(72)	<ol> <li>BUTTS, Jeffrey</li> <li>COLLURA, Mariano</li> <li>BOISDEQUIN, Vincent</li> </ol>
(73)	1. 2.
(30)	1. (EP) 08169518.1 - 20-11-2008 2. (EP) 09008451.8 - 29-06-2009 3. (PCT/EP2009/008244) - 19/11/2009
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) CASTING PIPE, DEVICE FOR HANDLING SAID PIPE AND VALVE DRIVING DEVICE

#### Patent Period Started From 19/11/2009 and Will end on 18/11/2029

(57) The invention relates to a device for handling a jet protection pipe for casting liquid metal, that includes means for maintaining said pipe downstream from a metal casting regulation valve, wherein the valve can assume an open configuration and a closed configuration under the action of driving means. The handling device includes means for attachment to the valve driving means. The present invention also relates to a jet protection pipe or a flow of liquid metal from a casting ladle towards a metal distributor, the pipe having a longitudinal axis and comprising a pipe gripping head at one end thereof. According to the invention, the gripping head is fusiform.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

### **Egyptian Patent Office**



**PCT** 

(22) 28/11/2006

(21) 1132/2006

(44) October 2015

(45) 16/02/2016

(11) |27460

(51)	Int. Cl. 8 G21F 9/00
(71)	1. PEBBLE BED MODULAR REACTOR (PROPRIETARY) LIMITED (SOUTH AFRICA) 2. 3.
(72)	<ol> <li>HINDLEY, Michael, Philip</li> <li>KUCZYNSKI,LESZEK,ANDRZEJ</li> <li>VANRAVENSWAAY,FRANCIS,PIETER</li> </ol>
(73)	1. 2.
(30)	1. (ZA) 2004/3296 - 30-05-2004 2. (PCT/IB2005/051570) - 13-05-2005 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) METHOD OF TREATING RADIOACTIVE WASTE XX

### Patent Period Started From 13/05/2005 and Will end on 12/05/2025

(57) This invention relates to a method of treating irradiated material which includes reducing irradiated material to particulate form, suspending the particulate irradiated material, or derivatives thereof, in a fluid to form a suspension, and removing radioisotopes from the suspension by biological treatment.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 07/11/2012

(21) 1869/2012

(44) February 2015

(45) 17/02/2016

(11) 27462

(51)	Int. Cl. <sup>8</sup> G06G 7/48
(71)	1. LANDMARK GRAPHICS CORPORATION (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>SHEN, Xinpu</li> <li>BAI, Mao</li> <li>STANDIFIRD, William, Bradley</li> </ol>
(73)	1. 2.
(30)	1. (PCT/US2010/039156) – 18-06-2010 2. 3.
(74)	WAGDY NABIH AZIZ
(12)	Patent

#### SYSTEMS AND METHODS FOR WELLBORE OPTIMIZATION **(54)** Patent Period Started From 18/06/2010 and Will end on 17/06/2030

(57) Systems and methods for wellbore optimization, which include numerical procedures for selecting an optimal wellbore trajectory and casing strength based on Formation Loading Potential.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 02/10/2013

(21) 1537/2013

(44) May 2015

(45) 17/02/2016

(11) 27463

(51)	Int. Cl. <sup>8</sup> G06G 7/50
(71)	1. LANDMARK GRAPHICS CORPORATION (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>MA, Jianfu</li> <li>Kenneth, E.WILLIAMS,</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (PCT/US2011/032741) – 15-04-2011 2. 3.
(74)	WAGDY NABIH AZIZ
(12)	Patent

#### **(54)** SYSTEMS AND METHODS FOR HYDRAULIC FRACTURE CHARACTERIZATION USING MICROSEISMIC EVENT DATA

### Patent Period Started From 15/04/2011 and Will end on 14/04/2031

(57) Systems and methods for hydraulic fracture characterization using micro seismic event data to identify the orientation spacing and dip for subsurface fractures.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

### **Egyptian Patent Office**



**PCT** 

(22) 16/12/2010

(21) 2140/2010

(44) **September 2015** 

(45) 17/02/2016

(11) 27464

(51)	Int. Cl. <sup>8</sup> A01N 43/62
(71)	<ol> <li>EURAND, INC. (UNITED STATES OF AMERICA)</li> <li>3.</li> </ol>
(72)	<ol> <li>VENKATESH, Gopi</li> <li>CLEVENGER, James, M</li> <li>GRINSTEAD, Timothy</li> </ol>
(73)	1. 2.
(30)	1. (US) 61/074.464 - 20-06-2008 2. (PCT/US2009/047807) - 18-06-2009 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

#### (54) PREPARATION OF CONTROLLED RELEASE SKELETAL MUSCLE RELAXANT DOSAGE FORMS

### Patent Period Started From 18/06/2009 and Will end on 17/06/2029

(57) The present invention is directed to a method of preparing an extended release pharmaceutical composition comprising cyclobenzaprine, comprising coating inert particles with a cyclobenzaprine-containing a drug layering composition to form IR beads, then coating the IR beads with an extended-release coating to form ER beads.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 16/08/2011

(21) | 1370/2011

(44) | September 2015

(45) 17/02/2016

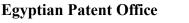
(11) 27465

(51)	Int. Cl. <sup>8</sup> F24J 2/07 & F22B 1/00
(71)	<ol> <li>COCKERILL MAINTENANCE &amp; INGENIERIE S.A. (BELGIUM)</li> <li>ABENGOA SOLAR NEW TECHNOLOGIES S.A. (SPAIN)</li> <li>3.</li> </ol>
(72)	1. DETHIER, Alfred 2. GARCIA RAMIREZ ELENA 3.
(73)	1. 2.
(30)	1. (EP) 09153046.9 - 17-02-2009 2. (PCT/EP2010/051740) - 11-02-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

#### (54)FLAG-SHAPED HEAT EXCHANGER Patent Period Started From 11/02/2010 and Will end on 10/02/2030

The present invention relates to a heat exchanger configured to capture energy by radiation, comprising at least one flag-shaped basic exchanger, including: a) an input collector and an output collector; b) a plurality of exchange tubes connected to the input collector and to the output collector, respectively, and stacked so as to halt the incident radiation, each tube being provided in the form of a hairpin with one curved part at the head of the pin) and two arms adjoining essentially vertically and on the largest part of the length thereof, the end of the tubes at the pin head being free and the tubes being self-supported at the ends thereof connected to said collectors.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 19/06/2012

(21) 1139/2012

(44) October 2015

(45) 22/02/2016

(11) 27466

(51)	Int. Cl. 8 B41F 13/00, 9/02
(71)	1. KBA-NOTASYS SA (SWITZERLAND) 2. 3.
(72)	<ol> <li>SCHAEDE, Johannes, Georg</li> <li>SCHWITZKY, Volkmar, Rolf</li> </ol>
(73)	1. 2.
(30)	1. (EP) 09180318.9 - 22-12-2009 2. (PCT/IB2010/055940) - 20-12-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) INTAGLIO PRINTING PRESS WITH MOBILE CARRIAGE SUPPORTING INK-COLLECTING CYLINDER

### Patent Period Started From 20/12/2010 and Will end on 19/12/2030

There is described an intaglio printing press comprising (i) a stationary machine frame supporting an intaglio printing cylinder and an impression cylinder contacting the intaglio printing cylinder, (ii) an inking system for inking the intaglio printing cylinder, which inking system comprises an ink-collecting cylinder designed to contact the intaglio printing cylinder and at least one inking device for supplying ink to said ink-collecting cylinder, and (iii) at least a first mobile carriage supporting the inkcollecting cylinder, which first mobile carriage is adapted to be moved with respect to the stationary machine frame between a working position where the ink-collecting cylinder contacts the intaglio printing cylinder and a retracted position where the ink-collecting cylinder is retracted away from the intaglio printing cylinder. The intaglio printing press further comprises a correcting and adjusting system for correcting and adjusting a rotational position of the ink-collecting cylinder with respect to a rotational position of the intaglio printing cylinder following maintenance operations to ensure proper circumferential register between the ink-collecting cylinder and the intaglio printing cylinder in the working position of the first mobile carriage.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

(22) 30/10/2006

(21) PCT/NA2006/001293D1

(44) October 2015

(45) 22/02/2016

(11) 27467

(51)	Int. Cl. 8 B01J 27/053, 23/26, 21/04 & C08	3F 4/24, 110/02
(71)	1. CHEVRON PHILLIPS CHEMICAL ( 2. 3.	COMPANY, LP (UNITED STATES OF AMERICA)
(72)	<ol> <li>MCDANIEL, Max,</li> <li>COLLINS, Kathy S</li> <li>BENHAM, Elizabeth A.</li> </ol>	4. DESLAURIERS, Paul J.
(73)	1. 2.	
(30)	1. (US) 10/829,844 - 22-04-2004 2. (US) 10/829,850 - 22-04-2004 3. (PCT/US 2005/009668) - 24-03-2005	
(12)	SAMAR AHMED EL LABBAD  Patent	

## (54) POLYMERS PRODUCED USING THE CHROMIUM/ALUMINA CATALYSTS

### Patent Period Started From 24/03/2005 and Will end on 23/03/2025

(57) The present invention relates to preparing polymer compositions of unique proper ties. The said polymer compositions are produced through a catalyst polymerization reaction in which the alumina carrier is treated with a sulfate agent and chromium. The polymer production methods include contacting the said catalyst with at least one olefin.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 24/03/2013

(21) 0482/2013

(44) October 2015

(45) 22/02/2016

(11) 27468

(51)	Int. Cl. <sup>8</sup> A23L 1/00
(71)	1. AHMED GAAD ABU EL WAFA GAAD OMER (EGYPT) 2. MUHAMMED AHMAD GAAD ABU EL WAFA GAAD OMER (EGYPT)
	3.
(72)	1. AHMED GAAD ABU EL WAFA GAAD OMER
	2. MUHAMMED AHMAD GAAD ABU EL WAFA GAAD OMER
	3.
(73)	1.
, ,	2.
(30)	1.
	2.
	3.
(74)	
(12)	Patent

## (54) PROTECT FOOD SECURITY OF CANCER Patent Period Started From 24/03/2013 and Will end on 23/03/2033

(57) Is serving the state in an innovative way and modern technology where are sterilized grain well into silos without the use of pesticides that brings diseases and epidemics and affect the environment negatively and the future of the country where working vacuum to a certain percentage from 12% to 14% within the silo and this percentage live on grain without any influence or leave bad or harmful effect of the pills and they negatively affect the non-proliferation of insects, according to scientific standards that have been modified by professors, Department of Plant Pathology, Faculty of Agriculture, Alexandria University.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

- (22) |12/09/2011
- (21) 1505/2011
- (44) October 2015
- (45) 22/02/2016
- (11) |27469

(51)	Int. Cl. <sup>8</sup> F27B 3/08, 3/18, 3/26 & F27D 17/00 & C21C 5/52
(71)	1. DAOU, RAFIC BOULOS (LEBANON) 2. 3.
(72)	1. DAOU, Rafic Boulos 2. 3.
(73)	1. 2.
(30)	1. (DE) 102009001 646.5 - 18-03-2009 2. (DE) 102009029617.4 - 18-09-2009 3. (PCT/IB 2010/051022) - 10-03-2010
(74)	MOHMED TAREK ABO RAGAB
(12)	Patent

## (54) STEEL PRODUCTION FACILITY Patent Period Started From 10/03/2010 and Will end on 09/03/2030

The present invention relates to a steel production facility (1) and a method of uninterrupted or at least cyclical steelmaking in said facility (1), wherein in case of uninterrupted steelmaking at least the first three of the following steps and in case of cyclical steelmaking all five steps will be used: - charge materials are molten uninterruptedly or at least cyclically in an electric arc furnace (10); - the charge materials like in particular shredded scrap-iron pieces (71) shredded in a shreddingsystem (40) for shredding discarded iron and/or steel junk (scrap 70), Direct Reduced Iron (DRI) and/or Hot Briquette Iron (HBI) are uninter- ruptedly or at least continuously during a melting process cycle fed into the electric arc furnace (10) by means of conveyance (50, 51,...); - a part of liquid steel is uninterruptedly or cyclically discharged from the steel bath of the electric arc furnace (10); - from the thermic energy included in the hot process-exhaust (furnace top 20) of the electric arc furnace (10), electric energy is, by means of power generation (30, 31, 32), generated uninterruptedly or at least during a melting process cycle; - a shredding-system (40) assigned to the electric arc furnace (10) for shredding discarded iron and/or steel junk (scrap 70) is powered uninterruptedly or at least during a melting process cycle by the electric energy generated from the process exhaust (furnace top 20). The present steel production facility (1), which sets new standards in terms of total energy-balance with regard to productivity and energy saving, consistently continues the trend of the last years.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

### (22) 19/08/2013

(21) | 1323/2013

(44) October 2015

(45) 22/02/2016

(11) 27470

(51)	Int. Cl. <sup>8</sup> E21B 34/06, 19/16, 34/16
(71)	1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)
	2. 3.
(72)	<ol> <li>TAIT, Alasdair R.</li> <li>.</li> </ol>
	3.
(73)	1. 2.
(30)	1. (US)13/048,075 - 15-03-2011 2. (PCT/US2012/028281) - 08-03-2012 3.
(74)	NAHED WADE REZK
(12)	Patent

### (54) AN ACTIVATION APPARATUS FOR SUBTERRANEAN TOOL

### Patent Period Started From 08/03/2012 and Will end on 07/03/2032

(57) An actuation tool uses a lock that when released allows a moving magnet to move into position to repel another magnet. The repelling force on the second magnet moves it away from a locking position on a stored potential energy system where the release of the potential energy creates kinetic energy to drive an actuation assembly to set the tool. In a preferred application the tool can be a liner hanger. The release device can be a selectively energized electromagnet or a solenoid that shifts at least one magnet into alignment with at least one second magnet so as to defeat the second magnet from effectively storing the potential energy that can set the tool when the lock is defeated.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

- (22) 19/08/2013
- (21) | 1327/2013
- (44) October 2015
- (45) 22/02/2016
- (11) 27471

(51)	Int. Cl. 8 E21B 33/12, 23/06 & B29C 65/00
(31)	
(71)	1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)
	2.
	3.
(72)	1. CORTEZ, Steve Michael
	2.
	3.
(73)	1.
,	2.
(30)	1. (US) 13/082,033 - 07-04-2011
	2. (PCT/US2012/031416) – 30-03-2012
	3.
(74)	HODA SERAG EL DIN
(12)	Patent

#### (54)BOREHOLE METAL MEMBER BONDING SYSTEM AND **METHOD**

### Patent Period Started From 30/03/2012 and Will end on 29/02/2032

(57) A borehole metal member bonding system includes, a first metal member, a second metal member proximate the first metal member, and a pyrotechnic composition positioned proximate the first metal member and the second metal member configured to bond the first metal member to the second metal member subsequent undergoing an exothermic reaction while within a borehole.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 22/07/2013

(44) October 2015

(45) 24/02/2016

(11) 27472

(51)	Int. Cl. <sup>8</sup> H01H 73/06, 73/18
(71)	1. LSIS CO., LTD. 2. 3.
(72)	1. JANG, BONG YUN 2. 3.
(73)	1. 2.
(30)	1. (KR) 10-2012-0079902 - 23-07-2012 2. 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) CIRCUIT BREAKER Patent Period Started From 22/07/2013 and Will end on 21/07/2033

(57) Disclosed is a circuit breaker. The circuit breaker includes an arc exhaust port for exhausting an arc generated in the inner box; an outer box receiving the inner box and including an arc passage for exhausting the arc from the exhaust port to an outside; and an arc guide part for guiding the arc from the arc exhaust port into the arc passage, wherein the arc guide part includes: an upper guide; a lower guide spaced apart from the upper guide; and a connecting part connecting the upper and lower guides to each other in a longitudinal direction.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

 $(22) |20/12/201\overline{2}|$ 

(21) 2101/2012

(44) October 2015

(45) 24/02/2016

(11) 27473

(51)	Int. Cl. <sup>8</sup> G01V 1/00
(71)	1. CGG Veritas Services SA (FRANCE) 2.
	3.
(72)	1. SALLAS, John j. 2.
	3.
(73)	1. 2.
(30)	1. (US) 13/335.093 - 22-12-2011 2. 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) LOW-FREQUENCY CONTENT BOOST FOR VIBRATORY SEISMIC SOURCE AND METHOD

### Patent Period Started From 20/12/2012 and Will end on 19/12/2032

(57) [0001] Embodiments of the subject matter disclosed herein generally relate to methods and systems and, more particularly, to mechanisms and techniques for boosting low- and/or high-frequency content for seismic sources.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

### **Egyptian Patent Office**



**PCT** 

(22) 13/06/2013

(21) |1019/2013

(44) **September 2015** (45) |24/02/2016

(11) 27474

(51)	Int. Cl. <sup>8</sup> C04B 12/04
(71)	1. THE CATHOLIC UNIVERSITY OF AMERICA (UNITED STATES OF AMERICA) 2.
(72)	1. GONG, Weiliang 2. LUTZE, Werner 3. PEGG, Ian
(73)	1. 2.
(30)	1. (US) 61/457,052 - 17-12-2010 2. (PCT/US2011/065649) - 16-12-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### **(54)** GEOPOLYMER COMPOSITE FOR ULTRA HIGH PERFORMANCE CONCRETE

### Patent Period Started From 16/12/2011 and Will end on 15/12/2031

(57) A geopolymer composite ultra high performance concrete (GUHPC), and methods of making the same, are provided herein, the GUHPC comprising: (a) a binder comprising one or more selected from the group of reactive aluminosilicate and reactive alkali-earth consisting aluminosilicate; (b) an alkali activator comprising an aqueous solution of metal hydroxide and metal silicate; and (c) one or more aggregate.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 30/08/2010

(21) | 1454/2010

(44) October 2015

(45) 25/02/2016

(11) 27475

(51)	Int. Cl. <sup>8</sup> C02F 1/48
(71)	1. Ahmad Mohammad El Bendary (EGYPT)
	2. Samih Onsi Naguib Sawirus
	3. Yousria Nasif Losa
(72)	1. Ahmad Mohammad El Bendary
	2. Samih Onsi Naguib Sawirus
	3. Yousria Nasif Losa
(73)	1.
	2.
(30)	1.
	2.
	3.
(74)	
(12)	Patent

### MACHINE TREATING TAP WATER RENDERING INHIBITORY TO EGG HATCHING AND LARVAL DEVELOPMENT OF MUSCA DOMESTICA (COMMON HOUSE FLY)

### Patent Period Started From 30/08/2010 and Will end on 29/08/2030

(57) A machine treating water by exposing it to non-linear successions of both magnetic fields and electromagnetic waves. Water is pumped through the machine for a given time and at constant flow speed. Doing so it gains inhibitory effect on the egg hatching as well as various larval development On spraying such treated watery liquids on media containing musca domestica eggs clusters inhibits its' hatching and larval developments as well as failure of the full developed larvae to open its pupa.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

### **Egyptian Patent Office**



**PCT** 

(22) 30/08/2010

(21) 1456/2010

(44) October 2015

(45) 25/02/2016

(11) 27476

(51)	Int. Cl. <sup>8</sup> C02F 1/48
(71)	<ol> <li>Ahmad Mohammad El Bendary</li> <li>Samih Onsi Naguib Sawirus</li> </ol>
	3. Yousria Nasif Losa
(72)	<ol> <li>Ahmad Mohammad El Bendary</li> <li>Samih Onsi Naguib Sawirus</li> <li>Yousria Nasif Losa</li> </ol>
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

## (54) MACHINE AND METHOD FOR TREATING WATER RENDERING IT REPELLANT TO MOSQUITOES

### Patent Period Started From and Will end on

(57) A machine and method for treating water by exposing it to non-linear successions of both magnetic fields and electromagnetic waves. Water is pumped through the machine for a given time and at constant flow speed to gain the repelling effect on mosquitoes

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 07/08/2012

(21) | 1383/2012

(44) **September 2015** 

(45) 28/02/2016

(11) 27477

(51)	Int. Cl. <sup>8</sup> B01D 1/06, 1/14, 3/04, 3/00 & C07C 273/04
(71)	1. UREA CASALE SA (SWITZERLAND) 2. 3.
(72)	<ol> <li>SCOTTO, Andrea</li> <li>VISCIOTTI, Damiano</li> <li>.</li> </ol>
(73)	1. 2.
(30)	1. (EP) 10153498.0 - 12-02-2010 2. (PCT/EP2011/050796) - 21-01-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) FALLING-FILM STRIPPER FOR CARBAMATE DECOMPOSITION Patent Period Started From 21/01/2011 and Will end on 20/01/2031

(57) A stripper (SN) for carbamate decomposition and ammonia plus carbon dioxide recovery from a urea solution (U) is realized with a shell-and-tube heat exchanger, where a liquid falling film of urea solution and a counter-current gaseous flow of a stripping medium fed to a bundle of surface-heated tubes (6); the stripping medium such as carbon dioxide is distributed into the tubes (6) by a plurality of gas risers (32); the gas risers are preferably associated to a perforated tray (30) in the bottom chamber (11) of the stripper. Revamping of a conventional CO2 stripper is also disclosed.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

(22) 20/10/2013

(21) 1615/2013

(44) | September 2015

(45) 28/02/2016

(11) 27478

(51)	Int. Cl. 8 C08F 220/26, 8/40 & C04B 24/24, 24/26, 28/00
(71)	1. CHRYSO (FRANCE) 2. 3.
(72)	<ol> <li>CHOUGRANI, Kamel</li> <li>LEISING, Frederic</li> <li>.</li> </ol>
(73)	1. 2.
(30)	1. (FR) 11 53312 - 15-04-2011 2. (PCT/EP2012/056840) - 13-04-2012 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) COPOLYMERS HAVING GEM-BISPHOSPHONATE GROUPINGS Patent Period Started From 13/04/2012 and Will end on 12/04/2032

(57) The invention relates to a copolymer including a main hydrocarbon chain and side groups comprising carboxyl groups and polyoxyalkyl groups, characterized in that the copolymer further comprises gem-bisphosphonate groups. The invention also relates to an additive for suspensions of inorganic particles including said copolymer and to a method for preparing said copolymer. The invention finally relates to the use of said copolymer for fluidifying and maintaining the fluidity of suspensions of inorganic particles and for reducing the sensitivity of hydraulic compositions to clays and alkaline sulfates, as well as to a composition of inorganic particles including said copolymer.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

- (22) 17/12/2012
- (21) 2071/2012
- (44) October 2015
- (45) 29/02/2016
- (11) 27479

(51)	Int. Cl. 8 A61L 17/00, 17/08	
(71)	<ol> <li>National Research Centre (EGYPT)</li> <li>3.</li> </ol>	
(72)	<ol> <li>Doaa Elgohary Hanafy Elgohary</li> <li>Ehab Hedar Sherazy</li> <li>Mohamed Abdallah Saad</li> </ol>	4. Tamer Farouk Khalifa 5. Mona Mahmoud Salem
(73)	1. 2.	
(30)	1. 2. 3.	
(74)	MAGDA MOHASAB, AMAL YOUSEFF , MONA MOHAMED	
(12)	Patent	

## (54) UNTWISTED NATURAL SILLK SUTURES FOR ANIMALS Patent Period Started From 17/12/2012 and Will end on 16/12/2032

(57) This request is related to the production of untwisted natural silk sutures as it produced by the same count as agreed the study process which is (3), (3,5), (4) metric that equals to (1), (1/0), (2,0) u.s.p. its tenacity ranging from (1,3) to (4,9) (g/tex). While its tensile strength ranging from (4,5) to (12,34) (kg/mm2) and its strain ranging from (10,99) to (19,66) (%). Knot-pull strength for these yarns ranging from (4,5) to (10,4) (kg/mm2) and its strain ranging from (8,85) to (14,46) (%). These yarns are characterized as do not occur any irritations, or pain, or any infections for animal skin.

Ministry of State for Scientific Research Academy of Scientific Research & Technology



# GRANTED PATENTS' ABSTRACTS GAZETTE "PATENT ISSUED MARCH IN 2016"

Egyptian Patent Office

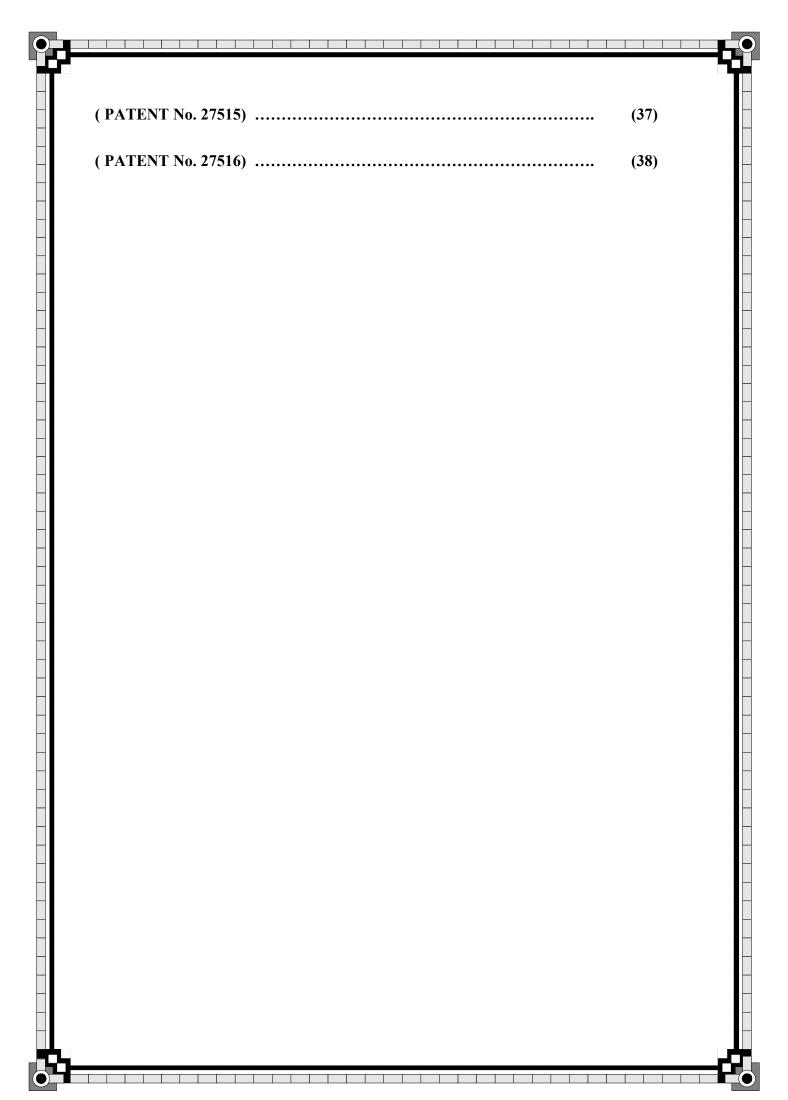
Issue No 238

**APRIL 2016** 

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( PATENT No. 27511)	(33)
( PATENT No. 27512)	(34)
( PATENT No. 27513)	(35)
( PATENT No. 27514)	(36)



### **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	30
Priority Country	
Issuance Date	45
International Patent Classification	51
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Abstract	57
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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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AZ	Azerbaijan
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BF	Burkina Faso
BG	Bulgaria
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ВΙ	Burundi
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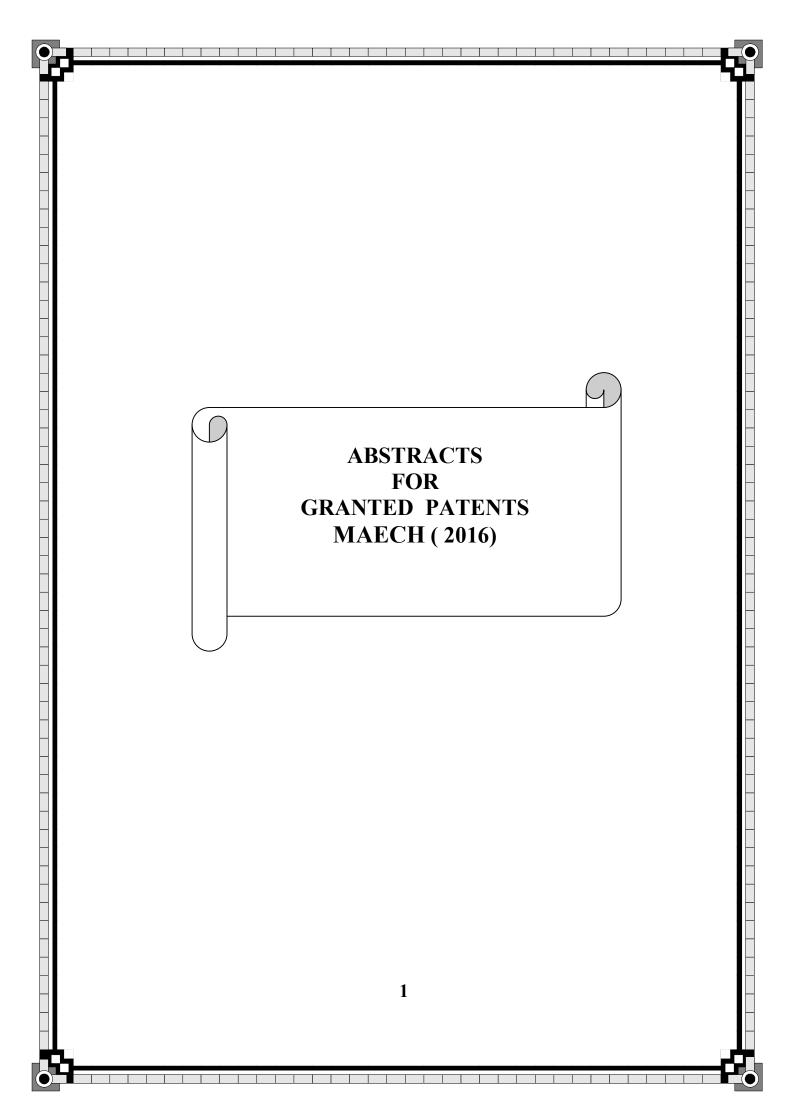
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JO	Jordan
JP	Japan
KE	Kenya
KG	Kyrgyzstan
KM	COMOROS
KN	Saint Kitts and Nevis
KP	D. P's. R. of Korea
KR	Republic of Korea
KW	Kuwait
KZ	Kozakhstan
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LI	Liechtenstein
LK	Sirlanka
LR	Liberia
LS	Lesotho
LT	Lithuania
LU	Luxembourg
LV	Latvia
LY	Libyan Arab Jamahirya
MA	Moracco
MC	Monaco
MD	Republic of Moldova
ME	Montenegro
MG	Madagascar

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MN MR MT	Mongolia Mauritania Malta Maldives
MR MT	Mauritania Malta Maldives
МТ	Malta Maldives
-	Maldives
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MW	
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SK	Slovakia
SL	Sierra Leone
SM	San Marion
SN	Senegal
SO	Somalia
SR	Suriname
ST	Saotome and Principe
SV	El Salvador
SY	Syrian Arab Republic
SZ	Swaziland
TD	Chad
TG	Togo
TJ	Tajikistan
TH	Thailand
TM	Turkmenistan
TN	Tunisia
TR	Turkey
TT	Trindad and Topago
TW	Taiwan
TZ	United Republic of Tanzania
UA	Ukraine
UG	Uganda
US	United States of America
UY	Uruguay
UZ	Uzbekistan
VC	Saint Vincent and the Grenadines

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



**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 07/09/2008

(21) 1495/2008

(44) November 2015

(45) 06/03/2016

(11) 27480

(51)	Int. Cl. <sup>8</sup> H02M 5/00
(71)	1. TAREK MOHAMAD SHAABAN MOHAMAD GHUNAM (EGYPT) 2.
	3.
(72)	1. TAREK MOHAMAD SHAABAN MOHAMAD GHUNAM
	2.
	3.
(73)	1.
	2.
(30)	1.
	2.
	3.
(74)	AYMAN MOHAMMED SHAABAN MOHAMED
(12)	Patent

### **SAFETY ELECTRICITY (54)** Patent Period Started From 07/09/2008 and Will end on 06/09/2028

Safety Electricity is using the electricity in houses with 12 volt and that will be by using a new Voltage key that convert the main voltage from 220 volt to 12 volt and this key will be in the main keys holding.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 10/10/2013

(21) 1574/2013

(44) November 2015

(45) 06/03/2016

(11) 27481

(51)	Int. Cl. 8 C08J 9/14 & C08G 18/76, 18/09, 18/40 & B32B 27/40
(71)	1. BASF SE (GERMANY) 2. 3.
(72)	<ol> <li>TOMOVIC, Zeljko</li> <li>JACOBMEIER, Olaf</li> <li>KAMPF, Gunnar</li> </ol>
(73)	1. 2.
(30)	1. (EP) 11162679.2 - 15-04-2011 2. (PCT/EP2012/056485) - 11-04-2012 3.
(74)	TAHA HANAFY MAHMOUD
(12)	Patent

## (54) PROCESS FOR PRODUCING RIGID POLYURETHANE FOAMS Patent Period Started From 11/04/2012 and Will end on 10/04/2032

A process for producing rigid polyurethane foams by reacting a) organic polyisocyanates with b) compounds having at least two hydrogen atoms which are reactive toward isocvanate groups in the presence of c) blowing agents, d) catalysts and, if appropriate, e) auxiliaries and additives, wherein a mixture of b1) from 20 to 60 parts by weight of one or more high-functionality polyether alcohols having functionalities of from 3.5 to 5.5 and a hydroxyl number of from 400 to 550 mg KOH/g, b2) from 1 to 20 parts by weight of one or more polyether alcohols based on aliphatic amines and having functionalities of from 3.5 to 4.5 and a hydroxyl number of from 450 to 900 mg KOH/g, b3) from 10 to 30 parts by weight of one or more polyether alcohols and/or aromatic polyester alcohols having functionalities of from 1.5 to 3 and a hydroxyl number of from 150 to 450 mg KOH/g, and b4) optionally from 1 to 5 parts by weight of water is used as polyol component b). The polyol component b) of the invention has good storage stability and the rigid polyurethane foams obtained have a good surface quality, curing and adhesion.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 

Patent

(12)



**PCT** 

- (22) 10/10/2013
- (21) 1575/2013
- (44) November 2015
- (45) 06/03/2016
- (11) 27482
- Int. Cl. 8 C08G 18/48, 18/50, 18/66, 18/76, 101/00 **(51) BASF SE (GERMANY) (71)** TOMOVIC, Zeljko (72)JACOBMEIER, Olaf KAMPF, Gunnar (73)(EP) 11162664.4 - 15-04-2011 (30)(PCT/EP2012/056699) - 12-04-2012 TAHA HANAFY MAHMOUD (74)

### (54)PROCESS FOR PRODUCING RIGID POLYURETHANE FOAMS Patent Period Started From 12/04/2012 and Will end on 11/04/2032

A process for producing rigid polyurethane foams by reacting a) organic polyisocyanates with b) compounds having at least two hydrogen atoms which are reactive toward isocyanate groups in the presence of c) blowing agents, d) catalysts and optionally, e) auxiliaries and additives, wherein a mixture of b1) from 20 to 60 parts by weight of one or more highfunctionality polyether alcohols having functionalities of from 3.5 to 5.5 and a hydroxyl number of from 400 to 550 mg KOH/g, b2) from 5 to 25 parts by weight of one or more polyether alcohols based on aromatic and/or aliphatic amines and having functionalities of from 3.5 to 4.5 and a hydroxyl number of from 350 to 500 mg KOH/g, b3) from 5 to 25 parts by weight of one or more polyether alcohols having functionalities of from 2 to 4 and a hydroxyl number of from 150 to 450 mg KOH/g b4) from 1 to 15 parts by weight of one or more low molecular weight chain extenders and/or crosslinkers having functionalities of from 2 to 3 and a molecular weight Mw of < 400 g/mol and optionally b5) from 1 to 5 parts by weight of water is used as polyol component b). The polyol component b) of the invention has good storage stability and the rigid polyurethane foams obtained have a good surface quality and adhesion.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 29/03/2012

(21) 0577/2012

(44) November 2015

(45) 06/03/2016

(11) 27483

(51)	Int. Cl. 8 C10M 103/06 & C10N 30/06, 30/12
(71)	<ol> <li>SUMITOMO METAL INDUSTRIES, LTD. (JAPAN)</li> <li>VALLOUREC MANNESMANN OIL &amp; GAS FRANCE (FRANCE)</li> <li>3.</li> </ol>
(72)	<ol> <li>PINEL, Eliette</li> <li>GARD, Eric</li> <li>.</li> </ol>
(73)	1. 2.
(30)	1. (FR) 09/04659 - 30-09-2009 2. (PCT/EP2010/005763) - 21-09-2010 3.
(74)	SMAS INTELLECTUAL PROPERTY
(12)	Patent

## (54) GALLING-RESISTANT THREADED TUBULAR COMPONENT AND PROCESS FOR COATING SAID COMPONENT

### Patent Period Started From 21/09/2010 and Will end on 20/09/2030

(57) A galling-resistant threaded tubular component for drilling or operating hydrocarbon wells has at one of its ends (1; 2) a threaded zone (3; 4) produced on its external or internal peripheral surface depending on whether the threaded end is male or female in type, with at least one portion of the threaded zone (3; 4) being coated with a dry film with a crystalline structure with a high specific surface area principally constituted by one or more mineral salts which are not reactive towards metals. It also concerns a process for coating such a component using a dry mineral film with a crystalline structure having a high specific surface area principally constituted by one or more mineral salts which are not reactive towards metals.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 13/11/2011

(21) 1903/2011

(44) November 2015

(45) 14/03/2016

(11) 27484

(51)	Int. Cl. <sup>8</sup> C02F 3/30
(71)	<ol> <li>SAUDI ARABIAN OIL COMPANY (SAUDI ARABIA)</li> <li>SIEMENS INDUSTRY, INC (UNITED STATES OF AMERICA)</li> <li>3.</li> </ol>
(72)	1. CONNER, WILLIAM, G 2. SCHULTZ, THOMAS, E 3.
(73)	1. 2.
(30)	1. (US) 61/224,011 - 08-07-2009 2. (PCTt/US2010/041317) - 08-07-2010 3.
(74)	YOUSEF MOHMED HAFEZ
(12)	Patent

## (54) LOW CONCENTRATION WASTEWATER TREATMENT SYSTEM AND PROCESS

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

(57) A low concentration wastewater treatment system is provided that includes a high flux adsorbent material treatment system integrated with a low flux adsorbent material biological regeneration reactor. The high flux adsorbent material treatment system includes one or more unit operations for mixing low concentration wastewater with adsorbent material that is fresh, recycled, or a combination of both, and for decanting a liquid effluent having a reduced level of contaminants. The adsorbent material with adsorbed contaminants is regenerated in a low flux adsorbent material biological regeneration reactor in which a biological reaction occurs, such as biological oxidation, wherein organic contaminants in the wastewater are metabolized generally into carbon dioxide and water. Excess biomass is removed from the adsorbent material, and the thus- regenerated adsorbent material is recycled to the high flux adsorbent material treatment system.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

- (22) 05/12/2012
- (21) 2012/2012
- (44) November 2015
- (45) 16/03/2016
- (11) 27485

(51)	Int. Cl. <sup>8</sup> E03F 5/22 & F04D 29/42
(71)	1. XYLEM IP HOLDINGS LLC (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>SODERGARD, Bengt</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (SE) 1050590-7 - 09-06-2010 2. (PCT/SE2011/050700) - 08-06-2011 3.
(74)	REZK, SOHEER, MICHEAL
(12)	Patent

## (54) SUCTION CONNECTION FOR CONNECTING A SUCTION PIPE TO A DRY INSTALLED CENTRIFUGAL PUMP

### Patent Period Started From 08/06/2011 and Will end on 07/06/2031

(57) The invention relates to a suction connection, comprising a first flange that includes a centrally located through hole and is arranged to be connected to an outlet of a suction pipe and a second flange that includes a centrally located through hole and that is arranged to be connected to an inlet of a dry installed centrifugal pump. According to the invention the suction connection comprises a first pipe socket, which is displaceable in the axial direction between an operative position in which said first pipe socket disengageably connects the first flange and the second flange and thereby puts the through hole of the first flange in fluid communication with the through hole of the second flange, and a service position in which said first pipe socket is located at a distance from the second flange and thereby admit access to the through hole of the second flange.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

- (22) 23/02/2011
- (21) 0294/2011
- (44) November 2015
- (45) 16/03/2016
- (11) 27486

(51)	Int. Cl. 8 C22B 5/10
(71)	1. SGL CARBON SE (GERMANY) 2. 3.
(72)	<ol> <li>EDLINGER, Alfred</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (AT) A 1329/2008 - 27-08-2008 2. (PCT/AT2009/000329) - 25-08-2009 3.
(74)	NAHED WADE REZK
(12)	Patent

### METHOD FOR PROCESSING SOLID OR MOLTEN MATERIALS Patent Period Started From 25/08/2009 and Will end on 24/08/2029

The invention relates to a method for working up or reducing solid or molten and / or pyrophoric materials, especially light shredder fractions, for which the solid or molten materials are loaded on a graphite body, which is heated inductively at least partially. Various reducing agents from the carbon of the graphite are introduced. The reduced and/or degassed melt is collected. The reducing agents are introduced together with the solid or molten feedstock. Natural gas, hydrocarbons, hydrogen, carbon monoxide and/or ammonia, together with steam, oxygen, carbon dioxide and/or halogens or halogenated hydrocarbons are introduced as reducing agents.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 30/09/2012

(21) | 1687/2012

(44) November 2015

(45) 16/03/2016

(11) 27487

(51)	Int. Cl. <sup>8</sup> F02C 7/224 & F03G 6/06 & F24J 2/00
(71)	1. ALSTOM TECHNOLOGY LTD (SWITZERLAND) 2.
	3.
(72)	<ol> <li>JOSUHN-KADNER, Burkhard</li> <li>CARRONI, Richard</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (EP) 00477/10 - 01-04-2010 2. (PCT/EP2011/054766) - 29-03-2011 3.
(74)	NAHED WADE REZK
(12)	Patent

### (54)METHOD FOR INCREASING THE EFFICIENCY OF A POWER PLANT EQUIPPED WITH A GAS TURBINE, AND POWER PLANT FOR CARRYING OUT THE METHOD

### Patent Period Started From 29/03/2011 Will end on 2803/2031

(57) In a power plant equipped with a gas turbine, fuel for the gas turbine is preheated by means of solar energy. The preheating takes place through the use of a heat transfer circuit. The use of an additional, second heat transfer circuit between the source for the solar heat and the first heat transfer circuit makes it possible for the solar heat to be stored. The fuel preheating according to the invention permits in particular an increase in the efficiency of the power plant.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 11/11/2012

(21) | 1890/2012

(44) November 2015

(45) 16/03/2016

(11) 27488

(51)	Int. Cl. 8 D21B (1/02, 1/34) & D21C 5/00
(71)	1. UNIVERSITAT POLITECNICA DE CATALUNYA (SPAIN) 2. 3.
(72)	<ol> <li>CALAFELL MONFORT, Margarita</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (EP) 10382123.7 - 14-05-2010 2. (PCT/IB 2011/052127) - 16-05-2011 3.
(74)	NAHED WADE REZK
(12)	Patent

### **(54)** PROCESS FOR RECLYING WASTE PAPER, PRODUCT **OBTAINED THEREFROM AND ITS USES**

### Patent Period Started From 16/05/2011 and Will end on 15/05/2031

The present invention relates to a bioprocess for recycling waste paper originated from high quality paper comprising the following steps: a) preparation of pulp; b) dilution with water of the pulped material obtained in a) c) enzymatic treatment of pulp; d) addition of inorganic salts and glues; e) dilution with water of the material obtained in d) f) filtration by vacuum; optional press; and g) drying In particular, said high quality paper is printed paper. The present invention also relates to the obtainable product by the above mentioned process. The present invention further relates to the different uses of the product such as building and construction material, eco-packaging material and eco-decorative material.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

### **Egyptian Patent Office**



**PCT** 

(22) 28/01/2013

(21) 0142/2013

(44) November 2015

(45) 16/03/2016

(11) 27489

(51)	Int. Cl. <sup>8</sup> B26B 21/40
(71)	<ol> <li>THE GILLETTE COMPANY (UNITED STATES OF AMERICA)</li> <li>3.</li> </ol>
(72)	<ol> <li>WALKER, Vincent, Paul, JR</li> <li>WITKUS, Stephen, Charles</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (US) 12/849,429 - 03-08-2010 2. (PCT/US2011/046411) - 03-11-2011 3.
(74)	NAHED WADE REZK
(12)	Patent

## (54) SHAVING CARTRIDGE WITH SUPPRESSED BLADE GEOMETRY Patent Period Started From 03/11/2010 and Will end on 02/11/2031

(57) A shaving cartridge with a housing, a cap, and a guard. The guard has an upper skin contacting surface. The cap has a top surface, a front edge, and an arcuate surface connecting the top surface and the front edge. A first blade between the cap and the guard has a cutting edge nearest the cap. A second blade between the cap and the guard has a cutting edge nearest the guard. The first and second blades define a blade plane (PI) tangent to the cutting edges. The blade plane is positioned below both (i) the upper skin contacting surface of the guard and (ii) an intersection point of the front edge and the top surface of the cap.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 22/05/2013

(21) 0866/2013

(44) November 2015

(45) 16/03/2016

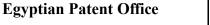
(11) 27490

(51)	Int. Cl. 8 F24F 3/14, 5/00 & B01D 53/26
(71)	1. DUCOOL LTD (ISRAEL) 2. 3.
(72)	1. FORKOSH, Dan 2. 3.
(73)	1. 2.
(30)	1. (PCT/US2010/057840) - 23-11-2010 2. 3.
(74)	NAHED WADE REZK
(12)	Patent

### (54)AIR CONDITIONING SYSTEM Patent Period Started From 23/11/2010 and Will end on 22/11/2030

An air conditioning system includes a dehumidifier, a regenerator, and a refrigeration system. The dehumidifier removes water from a first airflow using a liquid desiccant. The regenerator transfers water from the dilute desiccant into a second airflow. The refrigeration system can be selectively used to provide heat to the desiccant in the regenerator to more effectively remove the water from the dilute desiccant. An external heat source can also be used to heat the desiccant in the regenerator to more effectively remove the water from the dilute desiccant. The refrigeration system and the external heat source can each be used separately to heat the desiccant, or the desiccant can be heated by both heat sources simultaneous.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

- (22) 22/07/2013
- (21) | 1200/2013
- (44) November 2015
- (45) 16/03/2016
- (11) 27491

(51)	Int. Cl. 8 A01N 65/00, 65/28, 65/22, 59/00, 65/24, 59/20, 65/26 & A01P 3/00
(71)	1. BIOFUNGITEK, SOCIEDAD LIMITADA (Spain) 2. 3.
(72)	<ol> <li>UGALDE MARTINEZ, Unai Ona</li> <li>RODRIGUEZ URRA, Ana Belen</li> <li>UBEGUN LIZASO, Ainara</li> </ol>
(73)	1. 2.
(30)	1. (ES) P201130390 - 18-03-2011 2. (PCT/ES2012/070005) - 05-01-2012 3.
(74)	NAHED WADE REZK
(12)	Patent

# PHYTOSANITARY COMPOSITION COMPRISING ESSENTIAL OILS THAT POTENTIATE ANTIFUNGAL ACTIVITY

# Patent Period Started From 05/01/2012 and Will end on 04/01/2032

**(57)** The present invention relates to phytosanitary compositions with fungicidal properties that comprise a mixture of essential oils obtained from plants and agents with known fungicidal properties, such as alkali metal or ammonium bicarbonates, and compounds based on copper or the salts thereof, for use, principally, in contact-protection against fungal infections in cultivated plants and post-harvest, and also in other antifungal applications. In said compositions, the effect of the agents that have known fungicidal properties is potentiated synergistically by the aforementioned essential oils. The present invention also relates to the use of said essential oils as potentiators for agents with known fungicidal properties.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

**(22)** 17/09/2013

**(21)** 1451/2013

(44) November 2015

**(45)** 16/03/2016

**(11)** |27492

(51)	Int. Cl. <sup>8</sup> C08K 5/00,3/00 & C08F 299/04
(71)	1. Akzo Nobel Chemicals International B.V. (NETHERLANDS) 2.
	3.
(72)	1. REIJNDERS, Johannes Martinus Gerardus Maria
	2. KOERS, Frederik Willem Karel
	3. TALMA, Auke Gerardus
(73)	1.
	2.
(30)	1. (EP) 11159564.1 - 02-03-2011
( )	2. (US) 61/467,569 - 25-03-2011
	3. (PCT/EP2012/054933) - 21-03-2012
(74)	NAHED WADE REZK
(12)	Patent

#### **(54)** PROCESS FOR THE PREPARATION OF AN ACCELERATOR **SOLUTION**

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

(57) Process for the preparation of an accelerator solution suitable for forming a redox system with peroxides, comprising the steps of heating a liquid formulation comprising a hydroxy-functional solvent and a nitrogencontaining base to a temperature in the range 50-200?c, followed by adding a transition metal salt or complex to said heated formulation.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

- (22) 30/05/2007
- (21) 0281/2007
- (44) November 2015
- (45) 16/03/2016
- (11) 27493

(51)	Int. Cl. 8 A01N 25/00
(71)	1. YOUSSRY MOHAMED MAHMOUD IBRAHIM (EGYPT) 2. 3.
(72)	<ol> <li>YOUSSRY MOHAMED MAHMOUD IBRAHIM</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. 2. 3.
(74)	AHMED DAISAL MOHAMED MAHMOUD
(12)	Patent

# (54) THE NATURAL BIOFRTILE - OIL MIX FOR KILL THE DRILLER

# Patent Period Started From 30/05/2007 and Will end on 29/05/2027

(57) The natural biofitile - OIL MIX for kill the driller NATURAL BIOFRTILE? OIL MIX for kill the driller are efficient content from Potash Soap? light Oil should normally be used as spry at 1% conc. for 3-4 times to control 1- white fly, aphids, tereps, leaf-miners, fruit flay, spider and rusts in the most horticulturr and field crops in the nurseries and open fied. 2- Powdery mildew, flower blight, spiders and anthraknose in mango. 3- Powdery mildew, aphids, grapefruit moth, and mealy bugs in grapes. 4-Olive bud moth, melay bugs, aphids and olive fruit moth in olive. 5-Pomegranate moth in pomegranate fruit. 6- Flower blight, bacterial spot, rhizoctinia, spiders, powdery mildew and aphids in pear, apple, apricot, peach and plum orchards. 7- Fruit fly, white fly, spiders and aphids in guava.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

# **Egyptian Patent Office**



**PCT** 

(22) 02/09/2012

(21) | 1485/2012

(44) August 2015

(45) 20/03/2016

(11) 27494

(51)	Int. Cl. 8 C05B 1/00 & C05D 9/00 & C05G 3/00
(71)	1. MOS HOLDINGS INC (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>PEACOCK, Lawrence, Alan</li> <li>STACEY, Samuel</li> <li>MCLAUGHLIN, Michael</li> </ol>
(73)	1. 2.
(30)	1. (US) 61/309,894 - 03-03-2010 2. (US) 61/311,011 - 05-03-2010 3. (PCT/US2011/025880) - 23-02-2011
(74)	NAHED WADE REZK
(12)	Patent

# (54) FERTILIZER COMPOSITION CONTAINING MICRONUTRIENTS AND METHODS OF MAKING SAME

# Patent Period Started From 23/02/2011 and Will end on 22/02/2031

(57) Fertilizer composition including a base fertilizer granule with a barrier coating and one or more micronutrients. The base fertilizer material is coated with a barrier coating, and then a coating of one or more micronutrients. Alternatively, the base fertilizer material is coated with a barrier coating having discrete particles of micronutrients dispersed throughout. The barrier coating acts to physically and chemically isolate the micronutrient particles from the underlying fertilizer composition such that more of the micronutrient is available to the soil solution, and ultimately to the root zone of the plant.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

- (22) 12/09/2012
- (21) 1573/2012
- (44) November 2015
- (45) 16/03/2016
- (11) 27495

(51)	Int. Cl. <sup>8</sup> B22D 41/24, 41/28, 41/34, 41/40, 41/56
(71)	1. VESUVIUS GROUP S.A (BELGIUM) 2. 3.
(72)	<ol> <li>COLLURA, Mariano</li> <li>SIBIET, Fabrice</li> <li>.</li> </ol>
(73)	1. 2.
(30)	1. (EP) 10157129.7 - 19-03-2010 2. (PCT/EP2011/001324) - 17-03-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) FRAME FOR A DEVICE FOR HOLDING AND REPLACING CASTING PLATES AND ASSEMBLY

# Patent Period Started From 17/03/2011 and Will end on 16/03/2031

The invention relates to a frame for a device for holding and replacing plates for transferring molten metal contained in a metallurgical vessel having a casting channel, the frame defining a housing for receiving and holding a plate, when the device is assembled, in the operating position in the vicinity of the casting channel of the metallurgical vessel, the frame being arranged to enable the introduction of the plate into the housing and the extraction of the plate from the housing by translation along a plate insertion direction, the housing being formed so as to have an overall planar symmetry in relation to a plane of symmetry parallel with the plate insertion direction, the frame comprising, on either side of the housing in relation to the plane of symmetry of said housing, slots for receiving thrusters intended, when the device is assembled, to apply a force, in the direction of the metallurgical vessel, on a plate inserted in the housing. The slots for receiving the thrusters situated on either side of the housing do not match in the planar symmetry defined by the plane of symmetry of the housing.

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**PCT** 

(22) 10/04/2012

(21) 0667/2012

(44) October 2015

(45) 21/03/2016

(11) 27496

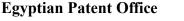
(51)	Int. Cl. 8 C01G 23/047
(71)	1. ITALCEMENTI S.P.A (ITALY)
	3.
(72)	1. GUERRINI, Gian, Luca
	3.
(73)	1. (IT) MI2009A 001766 - 14-10-2009
(30)	2. (PCT/EP2010/006252) - 14-10-2010 1.
(30)	2.
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) CEMENTITIOUS PRODUCTS AND ARTICLES OF MANUFACTURE CONTAINING CARBON-DOPED TITANIUM DIOXIDE

# Patent Period Started From 14/10/2010 and Will end on 13/10/2030

(57) Herein described are cementitious products and articles of manufacture comprising a carbon-doped titanium dioxide, having long-term photocatalytic activity. The titanium dioxide contained therein may be obtained by irradiating titanium dioxide under specific conditions of wavelength, in presence of a gas flow comprising an inert gas and an organic compound. The titanium dioxide thus treated acquires a high and stable carbon content, maintaining the specific surface area thereof substantially unaltered. The cementitious products/ articles of manufacture containing it have a high and efficient photocatalytic action.

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**PCT** 

(22) 07/10/2012

(21) 1713/2012

(44) November 2015

(45) 21/03/2016

(11) 27497

(51)	Int. Cl. 8 A61F 13/15, 13/472	
(71)	1. UNICHARM CORPORATION (JAPAN) 2. 3.	
(72)	<ol> <li>KUDO, Jun</li> <li>KINOSHITA, Hideyuki</li> <li>TAKAHASHI, Yuji</li> </ol>	4. MINAMI, Mari
(73)	1. 2.	
(30)	1. (JP) 2010-087989 - 06-04-2010 2. (PCT/JP2011/059130) - 06-04-2011 3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

# (54) ABSORBENT ARTICLE AND METHOD OF MANUFACTURING ABSORBENT ARTICLE

# Patent Period Started From 06/04/2011 and Will end on 05/04/2031

(57) In an absorbent article 1 according to the present invention, a longitudinal-direction compression groove 14A is formed along a longitudinal direction L of the absorbent article 1 by a compression process performed from the topsheet 12 side, a width-direction compression grooves 14B are formed along a width direction W of the absorbent article 1 by a compression process performed from the topsheet 12 side, wherein the longitudinal-direction compression groove 14A includes a high compression region 21, a medium compression region 22, and a low compression region 23 and the width direction compression groove 14B includes the high compression region 21 and the medium compression region 22, and the low compression region 23 is disposed over the longitudinal-direction compression groove 14A in the width direction W.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

- (22) 27/03/2013
- (21) 0505/2013
- (44) October 2015
- (45) 21/03/2016
- (11) 27498

(51)	Int. Cl. 8 A61F 13/15, 13/49 & B29C 65/08
(71)	1. UNICHARM CORPORATION (JAPAN) 2. 3.
(72)	<ol> <li>YAMAMOTO, Hiroki</li> <li>NINOMIYA, Akihide</li> <li>MATSUMOTO, Yoshihiko</li> </ol>
(73)	1. 2.
(30)	1. (JP) 2010-223075 – 30-09-2010 2. (PCT/JP2011/005421) – 27-09-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) APPARATUS AND METHOD FOR UKTRASONIC PROCESSING OF A FIBROUS

# Patent Period Started From 27/09/2011 and Will end on 26/09/2031

(57) The present invention provides an apparatus and method for ultrasonic processing improved so as to prevent a fibrous web from being disfigured due to the ultrasonic processing. In an apparatus to ultrasonically process a fibrous web 31 running in a machine direction MD, a first mechanical element defined by one of an ultrasonic horn 67 and an anvil 68 and a second mechanical element defined by the other of the ultrasonic horn 67 and the anvil 68 are moved forward or backward in a direction crossing the machine direction MD so as to pass transversely across the fibrous web 31.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

# **Egyptian Patent Office**



**PCT** 

(22) 10/02/2014

(21) 0184/2014

(44) **September 2015** 

(45) 21/03/2016

(11) 27499

(51)	Int. Cl. <sup>8</sup> A23L 1/236
(71)	1. ERIDANIA SADAM S.P.A (ITALY) 2. 3.
(72)	<ol> <li>VALLINI, Veronica</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (IT) TO2011A000766 - 12-08-2011 2. (PCT/IB2012/054114) - 13-08-2012 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) SWEETENER COMPOSITION Patent Period Started From 13/08/2012 and Will end on 12/08/2032

(57) There is described a substantially liquid sweetener composition comprising at least 80 wt% of water, from 9 wt% to 12 wt% of sodium cyclamate, from 4 wt% to 6 wt% of "sodium saccharine, from 1 wt% to 2 wt% of potassium acesulfame; the sweetening components of the composition act synergically in such a manner as to increase its sweetening power.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 08/01/2014

(21) 0023/2014

(44) **September 2015** 

(45) 22/03/2016

**(11)** | 27500

(51)	Int. Cl. <sup>8</sup> B26B 21/56	
(71)	1. THE GILLETTE COMPANY (UNITED STATES OF AMERICA) 2. 3.	
(72)	<ol> <li>SLATTERY, Jason, Scott</li> <li>NISBY, John, Joseph</li> <li>SHEN, Bin</li> <li>STONE, Matthew, Robert</li> </ol>	<ul><li>5. PARKER, Jeffrey, Stuart</li><li>6. SKROBIS, Kenneth, James</li><li>7. JU, Yongqing</li></ul>
(73)	1. 2.	
(30)	1. (US) 61/507,710 - 14-07-2011 2. (PCT/US2012/046649) - 13-07-2012 3.	
(74)	ABD ELHADI OFFICE	
(12)	Patent	

# (54) RAZOR BLADE Patent Period Started From 13/07/2012and Will end on 12/07/2032

(57) A razor blade including a substrate with a coating joined to the substrate defining a coated blade. The coated blade including a cutting edge being defined by a blade tip having a tip radius of from 50 to 350 angstroms. The coated blade having a pair of first facets extending from the blade tip and a pair of second facets extending from the respective first facets, a facet angle from 90? to 135?, a facet width from 0.38 micrometers to 0.65 micrometers a wedge angle from 5? to 30?, and a thickness of between 0.8 and 1.5 micrometers measured at a distance of 1 micrometer from the blade tip.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 04/04/2010

(21) 1136/2010

(44) **September 2015** 

(45) 22/03/2016

(11) 27501

(51)	Int. Cl. <sup>8</sup> B62K 11/10
(71)	1. LML LIMITED (INDIA) 2. 3.
(72)	1. KUMAR, Kinesh 2. 3.
(73)	1. 2.
(30)	1. (IN) 23/DEL/2008 - 03-01-2008 2. (PCT/IN2008/000672) - 15-10-2008 3.
(74)	ABD EL HADY INTELLECTUAL PROPERTY OFFICE
(12)	Patent

# (54) SEMI-MONOCOQUE FRAME STRUCTURE FOR SCOOTER TYPE VEHICLE

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

(57) A semi-monocoque structure for a vehicle preferring a two wheeler comprising load bearing drive assembly, a shell assembly for providing support for driver and pillion seating matching with the drive away assembly maintaining the continuity of vehicle aesthetic and a pair of sheet metal lockable cowls providing cover and safety for engine and other parts. Drive away portion consist of Front End and Rear End where as Front End is basically of sheet metal construction and Rear End is mostly of tubular construction. A semi-monocoque structure for fitment of two stroke as well as four stroke engine, facilitates use of LPG or CNG tank and 2 or 3 stage gas pressure reducer with in the existing shell with minimum insignificant changes.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

# **Egyptian Patent Office**



**PCT** 

(22) 30/10/2012

(21) | 1835/2012

(44) **September 2015** 

(45) 22/03/2016

(11) 27502

(51)	Int. Cl. <sup>8</sup> B01D 53/62 & F23J 15/00
(71)	1. GENERAL ELECTRIC COMPANY (UNITED STATES OF AMERICA) 2. 3.
(72)	1. BOTERO, Cristina 2. FINKENRATH, Matthias 3. GONZALES, Miguel, Angel
(73)	1. 2.
(30)	1. (US) 12/772,001 - 30-04-2010 2. (PCT/2011/030918) - 01/04/2011 3.
(74)	ABD EL HADY INTELLECTUAL PROPERTY OFFICE
(12)	Patent

# $(5\overline{4})$ METHOD FOR REDUCING CO2 EMISSIONS IN A COMBUSTION STREAM AND INDUSTRIAL PLANTS UTILIZING THE SAME

# Patent Period Started From 01/04/2011 and Will end on 31/03/2013

(57) Disclosed herein are methods for reducing CO2 emissions in an exhaust stream, and industrial plants utilizing the same. In one embodiment, a method for reducing emissions in a combustion stream, comprises: generating an exhaust stream, and compressing the stream. A first flow of the compressed exhaust stream is recycled to the generating step, and a second flow is provided to a CO2 separation system.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

 $(22) | 26/04/201\overline{2}$ 

(21) |7116/2012

(44) **September 2015** 

(45) 22/03/2016

(11) 27503

(51)	Int. Cl. 8 A01N 43/54, 43/40 & A01P 13/02	
(71)	1. DOW AGROSCIENCES LLC (UNITED STATES 2. 3.	S OF AMERICA)
(72)	1. MANN, Richard 2. WEIMER, Monte 3. MCVEIGH-NELSON, Ändrea	ELLIS, Andrew
(73)	1. 2.	
(30)	1. (US) 255689/61 - 28-10-2009 2. (PCT/US2010/054221) - 27-10-2010 3.	
(74)	ABD EL HADY INTELLECTUAL PROPERTY OFF	ICE
(12)	Patent	

# (54) SYNERGISTIC HERBICIDAL COMPOSITION Patent Period Started From 27/10/2010 and Will end on 26/10/2030

- (57) An herbicidal synergistic composition containing
  - (a) fluroxypyr and
  - (b) an ALS inhibitor herbicide, in which the ALS inhibitor herbicide is penoxsulam, halosulfuron-methyl, imazamox or imazethapyr, provides improved post-emergence weed control in rice, cereal and grain crops, pastures, rangelands, IVM and turf.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 06/02/2012

(21) 0205/2012

(44) | September 2015

(45) 22/03/2016

(11) 27504

(51)	Int. Cl. 8 A01N 43/54	
(71)	1. DOW AGROSCIENCES LLC (UNITED S 2. 3.	STATES OF AMERICA)
(72)	<ol> <li>BOEBEL, Timothy</li> <li>BRYAN, Kristy</li> <li>LORSBACH, Beth</li> <li>MARTIN, Timothy</li> <li>OWEN, W.</li> </ol>	<ul><li>6. POBANZ, Mark</li><li>7. THORNBURGH, Scott</li><li>8. WEBSTER, Jeffery</li><li>9. YAO, Chenglin</li></ul>
(73)	1. 2.	·
(30)	1. (US) 61/232,245 – 07-08-2009 2. (PCT/US2010/044588) – 05-08-2010 3.	
(74)	ABD EL HADY INTELLECTUAL PROPERT	Y OFFICE
(12)	Patent	

# (54) 5- FLUOROPYRIMIDINONE DERIVATIVES

# Patent Period Started From 05/08/2010 and Will end on 04/08/2030

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

$$\begin{array}{c|c}
F & R^{2} \\
R^{1} & N & O \\
R^{2} & R^{2}
\end{array}$$

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 13/01/2013

(21) |0070/2013

(44) | September 2015

(45) 22/03/2016

(11) 27505

(51)	Int. Cl. <sup>8</sup> E21B 33/00 & C04B 20/00, 7/02
(71)	1. LAFARGE (FRANCE) 2. 3.
(72)	1. WOYTOWICH, Wes 2. CARRUTHERS, Bill 3. LEHOUX, Paul 4. DADERKO, Greg
(73)	1. 2.
(30)	1. (US) 61/364,736 - 15-07-2010 2. (PCT/US2011/044006) - 14-07-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

#### LOW DENSITY CEMENTITIOUS COMPOSITIONS USING (54)**LIMESTONE**

# Patent Period Started From 14/07/2011 and Will end on 13/07/2031

(57) A manufactured cementitious binder includes a hydraulic binder in an amount in the range of from 40 to 75% by weight of the cementitious binder; metakaolin in an amount in the range of from 1 to 30% by weight of the cementitious binder; silica fume in an amount up to 15% by weight of the cementitious binder; limestone in an amount of from 5 to 30% by weight of the cementitious binder, and a cementitious accelerator in a controlled amount of at least 0.5% by weight of the cementitious binder, the cementitious binder providing a cementitious settable composition when added with water, wherein for a density lower than 13 pounds per gallon and of at least 11 pounds per gallon obtained without a lightweight additive, said cementitious settable composition exhibits a 24 hour compressive strength at 100F, as hardened, of at least 500psi.

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# **Egyptian Patent Office**



**PCT** 

(22) 16/06/2013

(21) 10/00/2013 (21) 1024/2013

(44) March 2015

(45) 23/03/2016

(11) 27506

(51)	Int. Cl. <sup>8</sup> G01V 1/50	
(71)	<ol> <li>LANDMARK GRAPHICS CORPORATION (</li> <li>3.</li> </ol>	UNITED STATES OF AMERICA)
(72)	<ol> <li>BADHEKA, Mehul N.</li> <li>DUNBAR, Donald H.</li> <li>ZADIKARIO, Guy</li> <li>DRORI, Yuval</li> </ol>	<ul><li>5. BEUCHAT, Marc</li><li>6. OSTRIN, Peter</li><li>7. ROMANO, Yaakov</li></ul>
(73)	1. 2.	
(30)	1. (PCT/US2011/020978) – 12-01-2011 2. 3.	
(74)	NAHID WADI RIZK TARAZI	
(12)	Patent	

# (54) THREE-DIMENSIONAL EARTH-FORMULATION VISUALIZATION Patent Period Started From 12/01/2011 and Will end on 11/01/2031

(57) Three-dimensional earth-formation visualization. At least some of the illustrative embodiments are a memory device stores a program that, when executed, causes the one or more processors to output from a queue, over a network connection, an encoded video stream of a three-dimensional earth-formation model. The processors are also caused to adjust a size of the queue based on a quality of the network connection.

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**PCT** 

(22) 16/06/2013

(44) January 2015

(45) 23/03/2016

**(11)** | 27507

(51)	Int. Cl. <sup>8</sup> G01V 1/48
(71)	<ol> <li>LANDMARK GRAPHICS CORPORATION (UNITED STATES OF AMERICA)</li> <li>3.</li> </ol>
(72)	<ol> <li>GORRELL, Sheldon B.</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (PCT/US2011/021058) – 13-01-2011 2. 3.
(74)	NAHID WADI RIZK TARAZI
(12)	Patent

# (54) METHOD AND SYSTEM OF UPDATING A GEOCELLULAR MODEL

# Patent Period Started From 13/01/2011 and Will end on 12/01/2031

(57) Updating a geocellular model. At least some of the illustrative embodiments are methods including: modifying a geocellular model of an earth formation based on an actual datum from an actual borehole, the modifying by: selecting a plurality of cells to be removed from the geocellular model; interpolating to determine a new surface using data associated with cells to be removed, data associated with cells not selected for removal, and the actual datum from the actual borehole; and calculating data associated with new cells that replace the cells to be removed, the new cells with locations relative to the new surface.

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**Egyptian Patent Office** 



**PCT** 

(22) 29/05/2013

(21) 0919/2013

(44) November 2015

(45) 23/03/2016

(11) 27508

(51)	Int. Cl. <sup>8</sup> E21B 47/12, 47/01
(71)	1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>COULSTON, Stephen James</li> <li>FREEMAN, James, Joseph</li> <li>MAJID, Javid A.</li> </ol>
(73)	1. 2.
(30)	1. (US) 12/982,116 - 30-12-2010 2. (PCT/US2011/058592) - 31-10-2011 3.
(74)	NAHID WADI RIZK TARAZI
(12)	Patent

# (54) METHOD AND DEVICES FOR TERMINATING COMMUNICATION BETWEEN A NODE AND A CARRIER Patent Period Started From 31/10/2011 and Will end on 30/10/2031

(57) The present disclosure relates to apparatuses and methods for terminating communication on a communication line between a carrier and at least one node located at a subsurface location. The apparatus may include a control member configured to initiate termination of communication in response to a controlled signal. The apparatus may also include a communication linkage configured to terminate the communication in a manner that cannot be remotely restored in response to the control member. The apparatus may also include a power source to maintain power to the communication linkage termination operation. The apparatus may be configured to use energy from the communication line to cause the communication linkage to terminate communication. The apparatus may be configured to use a communication linkage that is at least partially consumable. The method includes the use of the apparatus.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 19/08/2013

(21) | 1320/2013

(44) March 2015

(45) 23/03/2016

(11) 27509

(51)	Int. Cl. 8 G01V 9/00
(71)	1. LANDMARK GRAPHICS CORPORATION (UNITED STATES OF AMERICA) 2. 3.
(72)	1. PAULK, Martin D. 2. 3.
(73)	1. 2.
(30)	1. (PCT/US2011/028062) – 11-03-2011 2. 3.
(74)	NAHED WADI RIZK
(12)	Patent

# (54) METHODS AND SYSTEMS OF ESTIMATING FORMATION PARAMETERS

# Patent Period Started From 11/03/2011 and Will end on 10/03/2031

(57) Estimating formation parameters. At least some of the illustrative embodiments are methods including: combining a first plurality of actual logs from a first plurality of actual boreholes, at least one actual log associated with each actual borehole, and thereby creating a first equivalent log along a first equivalent path; combining a second plurality of actual boreholes, at least one actual log of the second plurality of actual logs associated with each actual borehole of the second plurality of actual boreholes, and thereby creating a second equivalent log along a second equivalent path; and estimating a plurality of values of a parameter of one or more formations along a proposed borehole path, each value associated with a distinct depth along the proposed borehole path, the estimating using the equivalent logs.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 16/09/2010

(21) 1555/2010

(44) **September 2015** 

(45) 23/03/2016

(11) 27510

(51)	Int. Cl. <sup>8</sup> B26B 21/22, 21/52
(71)	<ol> <li>THE GILLETTE COMPANY (UNITED STATES OF AMERICA)</li> <li>3.</li> </ol>
(72)	<ol> <li>BRIDGES, Kelly Daniel</li> <li>LEE Alejandro Carlos</li> <li>HANEY Carl Phillip</li> </ol>
(73)	1. 2.
(30)	1. (US) US12/56.219 - 21-12-2009 2. 3.
(74)	SONOA F. FARAG
(12)	Patent

### SHAVING RAZORS AND CARTRIDGES **(54)** Patent Period Started From 16/09/2010 and Will end on 15/09/2030

A shaving razor with a housing dimensioned to receive at least one blade. The housing has a pair of spaced apart opposing parallel walls each defining a fully enclosed opening that extends completely through the respective wall.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 05/09/2013

(21) | 1399/2013

(44) **September 2015** 

(45) 23/03/2016

(11) 27511

(51)	Int. Cl. <sup>8</sup> C04B 7/02	
(71)	<ol> <li>RUTGERS, THE STATE UNIVERSITY OF NEW</li> <li>AMERICA)</li> <li>3.</li> </ol>	JERSEY (UNITED STATES OF
(72)	<ol> <li>RIMAN, Richard, E.</li> <li>GUPTA, Surojit</li> <li>ATAKAN, Vahit</li> </ol>	LI, QINGHUA
(73)	1. 2.	
(30)	1. (US) 61/449,659 - 05-03-2011 2. (PCT/US2012/027536) - 02-03-2012 3.	
(74)	SONIA F. FARAG	
(12)	Patent	

# **(54)** BONDING ELEMENT, BONDING MATRIX AND COMPOSITE MATERIAL HAVING THE BONDING ELEMENT, AND METHOD **OF MANUFACTURING**

# Patent Period Started From 02/03/2012 and Will end on 01/03/2032

(57) A bonding element, a bonding element matrix and composite materials with a wide range of attractive properties that may be optimized, including, but not limited to, mechanical properties, thermal properties, magnetic properties, optical properties and nuclear properties, as a result of a first layer and second layer structure or core, first layer, and second layer structure of the bonding elements, as well as methods for making the bonding elements and the corresponding ceramic and/or composite materials.

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**PCT** 

(22) 0505/2013

(21) 0764/2013

(44) **September 2015** 

(45) 27/03/2016

(11) 27512

(51)	Int. Cl. <sup>8</sup> E04C 5/16 & E04G 21/12
(71)	1. ROC CO., LTD (REPUBLIC OF KOREA) 2.
	3.
(72)	<ol> <li>KIM, Byung Sub</li> <li>HONG, Man Ki</li> </ol>
(73)	1. 2.
(30)	1. (KR) 10-2010-0109388 - 04-11-2010 2. (KR) 10-2011-0007910 - 26-01-2011 3. (PCT/KR2011/008203) - 31-10-2011
(74)	RAGAEY ELDEKY
(12)	Patent

# (54) REINFORCEMENT BAR COUPLER Patent Period Started From 31/10/2011 and Will end on 30/10/2031

The present invention pertains to a reinforcement bar coupler. More specifically, the reinforcement bar coupler includes: a female thread having an inclined tapered surface on the inside surface of a coupler cap; and a fastening spring to be inserted and coupled with the female thread, wherein the fastening spring increases in diameter thereof while contacting the root of the female thread so that a reinforcement bar may slip in the case that the reinforcement bar is inserted inside, and decreases in diameter while moving along the inclined tapered surface so that the reinforcement bar may be restrained in the case that an external force is applied thereto in the opposite direction of insertion in the state that the reinforcement bar is inserted. The reinforcement bar coupler may simply connect and fix a reinforcement bar in a one-touch manner using the change in diameter due to the torsion of the fastening spring with a relatively simple configuration.

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**Egyptian Patent Office** 



**PCT** 

(22) 09/06/2013

(21) | 09/00/2013 (21) | 0981/2013

(44) November 2015

(45) 27/03/2016

(11) 27513

(51)	Int. Cl. 8 HO1H 13 /28, 23 /20, 13 /56, 23/24
(71)	1. VIMAR S.P.A (ITALY) 2. 3.
(72)	1. Volpato, Alberto 2. Cavalli, Antonio 3.
(73)	1. 2.
(30)	1. (IT) MI2012A000992 - 07-06-2012 2. 3.
(74)	MAHMOUD RAGAEY ELDEKY
(12)	Patent

# (54) ELECTRICAL DEVICE WITH AXIAL CONTROL Patent Period Started From 09/06/2013 and Will end on 08/06/2033

(57) Electrical device with axial control, such as switch, double-pole switch, toggle switch, inverter or the like, comprising a box-like containment structure in insulating material, in which are housed: at least two connection terminals, at least one fixed electrical contact connected to one of the connection terminals, at least one rocker arm element carrying at least one mobile electrical contact and connected electrically to another of the connection terminals, and an axial actuation member kinematically connected by means of a first oscillating support to said rocker arm element, so as to make it oscillate between two predetermined stable positions, wherein on said first oscillating support acts a second oscillating support which is made to oscillate in one direction or in the other at each actuation of said axial actuation member.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 23/09/2013

(21) | 1478/2013

(44) October 2015

(45) 27/03/2016

(11) 27514

(51)	Int. Cl. 8 A61F 13/15, 13/49 & B65G 47/68
(71)	1. UNICHARM CORPORATION (JAPAN) 2.
(72)	1. MURAKAMI, Seiji 2. 3.
(73)	1. 2.
(30)	1. (JP) 2011-066455 - 24-03-2011 2. (PCT/JP2012/053916) - 20-02-2012 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### **(54)** ABSORBENT ARTICLE PRODUCTION METHOD Patent Period Started From 20/02/2012 and Will end on 19/02/2032

The absorbent article production method is provided with: a placement process of conveying a web of constituent parts that configure the absorbent article in a continuous state and placing absorbents on the web; a folding process of folding the web; a cutting process of cutting the web to form multiple absorbent articles; an allotting process of parceling out the cut absorbent articles one by one onto a first pathway or a second pathway; and an orientation-changing process for changing the orientation of the absorbent articles.

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**PCT** 

(22) 05/12/2011

(21) 2041/2011

(44) October 2015

(45) 27/03/2016

(11) 27515

(51)	Int. Cl. <sup>8</sup> F16K 1/12, 31/04
(71)	1. MOKVELD VALVES B.V. (NETHERLANDS) 2. 3.
(72)	<ol> <li>ESVELDT, Vincent</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (DE) 10 2009 026 838.3 - 09-06-2009 2. (PCT/EP2010/058005) 08-06-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

(54)	VALVE
	Patent Period Started From 08/06/2010 and Will end on 07/06/2030

The invention relates to a valve comprising a housing, which has an inlet opening for a fluid, a closure element, by means of which a flow of the fluid can be controlled, and an outlet opening for the fluid, and comprising an actuating device, which has an electrical actuating drive for adjusting a closure cross-section of the closure element, and comprising a drive housing, to which a stator of the actuating drive is rigidly connected, wherein a moving rotor of the actuating drive is kinematically coupled to the closure element in an interior of the drive housing, said interior being under a pressure of the fluid, and the stator is arranged within the interior. In order to use a valve having an actuating drive lying in the fluid for fluids having abrasive and corrosive components, it is proposed that the interior of the drive housing be separated from the fluid by means of a moving separating element.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 31/07/2007

(21) PCT/NA2007/000793

(44) October 2015

(45) 29/03/2016

(11) |27516

(51)	Int. Cl. 8 A01N 43/56, 43/90, 43/653, 43/50, 55/00, 37/52, 43/76, 37/24, 43/54, 47/20, 43/28, 43/40, 43/64, 43/88, 43/32, 37/44, 43/78, 55/02, 47/12
(71)	1. MITSUI CHEMICALS, INC (JAPAN)
(71)	2.
	3.
(72)	1. INAMI, Syunichi
(12)	2. YANASE, Yuji
	3.
(73)	1.
(13)	2.
(30)	1. (JP) 2005-029312 - 04-02-2005
(30)	2. (JP) 2005- 029313 - 04-02-2005
	3. (PCT/JP2006/300890) – 20-01-2006
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) PLANT PATHOGEN CONTROL COMPOSITION AND METHOD Patent Period Started From 20/01/2006 and Will end on 19/01/2026

A plant pathogen control composition that contains at least ingredient (I) and ingredient (II), realizing a synergistic effect unexpectable from each individual of the ingredients, and that attains a striking enhancement of control efficacy to a wide spectrum of plant pathogens with low dosage, being free from phytotoxicity. There is provided a plant pathogen control composition comprising ingredient (I) and ingredient (II) as active ingredients. The ingredient (I) is (RS)-N-[2-(1, 3-dimethylbutyl) thiophen-3-yl]-1-methyl-3-trifluloromethyl-1H-pyrazole-4-carboxamide. As the there can be mentioned flutriafol, ingredient (II), tetraconazole, imibenconazole, triadimefon, simeconazole, oxpoconazole fumarate. prothioconazole, bupirimate, spiroxamine, metiram, dodine, anirazine, chlozolinate. oxycarboxin, ethaboxam, iprovalicarb. pyrazophos, fenamidone. fluoroimide, fenhexamide. diflumetorim, famoxadone. cvazofamid, zoxamide. cyflufenamide. boscalid. benthiavalicarbisopropyl, picoxystrobin, pyraclostrobin, fluoxastrobin or dimoxystrobin

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# GRANTED PATENTS' ABSTRACTS GAZETTE "PATENT ISSUED APRIL IN 2016"

Egyptian Patent Office

Issue No 239

**MAY 2016** 

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( PATENT No. 27535)	(20)

# **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	30	
Priority Country		
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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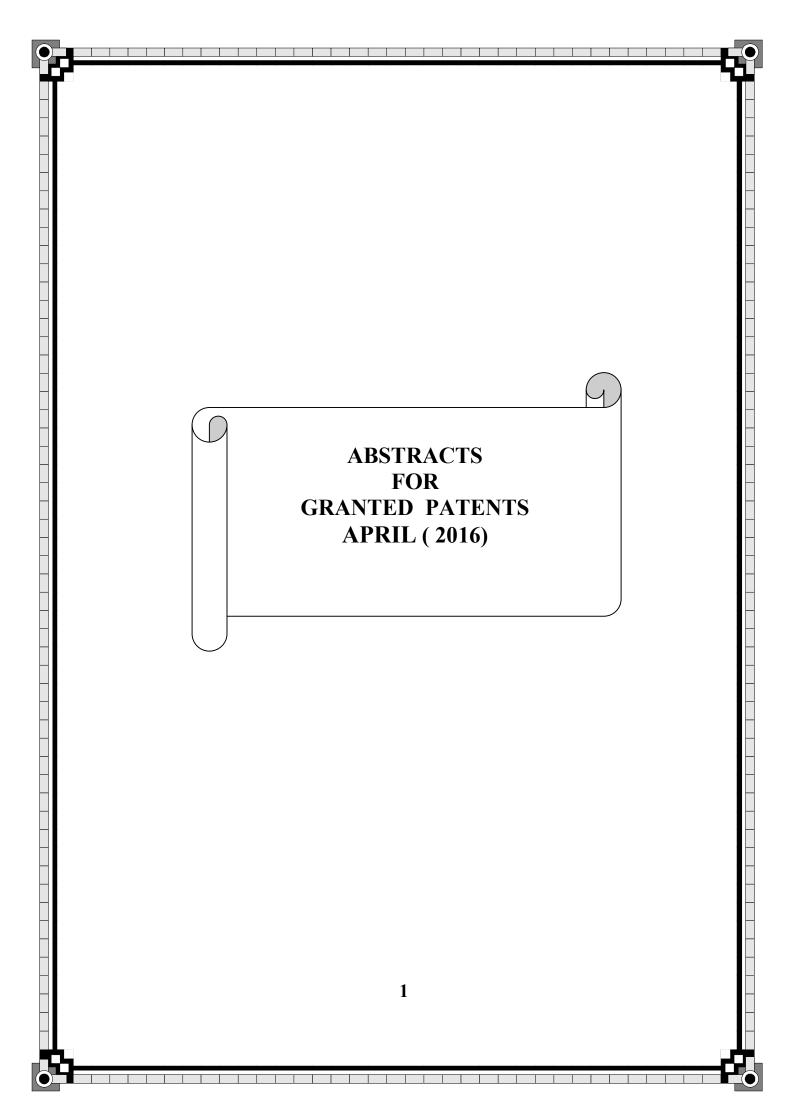
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TR	Turkey
TT	Trindad and Topago
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UY	Uruguay
UZ	Uzbekistan
VC	Saint Vincent and the Grenadines

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



Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 04/04/2013

(21) 0567/2013

(44) October 2015

(45) 03/04/2016

(11) 27517

(51)	Int. Cl. 8 D03D 39/08
(71)	1. ULSTER CARPET MILLS (HOLDINGS) LIMITED (UNITED KINGDOM) 2. 3.
(72)	1. STEWART, Richard 2. 3.
(73)	1. 2.
(30)	1. (GB) 1016785.6 - 06-10-2010 2. (PCT/GB2011/051905) - 05-10-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

#### (54)APPARATUS AND METHOD FOR LOADING TUFTS INTO A **TUFT CARRIER**

#### Patent Period Started From 05/10/2011 and Will end on 04/10/2031

A tuft carrier loading apparatus for loading individual tufts into tuft retention sites spaced along an elongate tuft carrier. The apparatus includes a guide for guiding longitudinal movement of the tuft carrier along a path of travel and a plurality of individually and selectively operable tuft feeders spaced along the path of travel, each tuft feeder being operable when selected to feed an individual tuft to a tuft retention site of the tuft carrier. A driver is drivingly connected to the tuft carrier for moving the tuft carrier along the path of travel, the driver being operable to intermittently move the tuft carrier through a series of successive positions whereat predefined tuft retention sites are moved temporarily into registry with each tuft feeder. A controller is provided for controlling selection of the tuft feeders, the controller being operable to actuate selected tuft feeders to feed tufts to those tuft retention sites in registry therewith whilst the carrier is located at each successive position. A detector is associated with each tuft retention site to detect the presence of a tuft. The driver, on detection of an absent tuft in a tuft retention site following actuation of one or more selected tuft feeders resulting in failure to feed a tuft to the absent tuft retention site, is operable to move the tuft carrier into a position whereat the absent tuft retention site is moved temporarily back into registry with the or one selected tuft feeder and the controller re-actuates the selected tuft feeder to feed a tuft to the absent tuft retention site.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 04/11/2012

(21) 1848/2012

(44) April 2015

(45) 03/04/2016

(11) 27518

(51)	Int. Cl. <sup>8</sup> G06F 19/00
(71)	1. LANDMARK GRAPHICS CORPORATION (UNITED STATES OF AMERICA)
	3.
(72)	1. LANGENWALTER, Richard, J
	2. POLAND, Fred, B
	3. DAFFIN, Tom, C
(73)	1.
,	2.
(30)	1. (PCT/US2010/035883) – 21/05/2010
,	2.
	3.
(74)	NAHED WADI REZK
(12)	Patent

### (54) SYSTEMS AND METHODS FOR HORIZONTAL WELL CORRELATION AND GEOSTEERING

#### Patent Period Started From 21/05/2010 and Will end on 20/05/2030

(57) Systems and methods for horizontal well correlation and geosteering, which include using a correlated 2D model and updated 3D model to determine target lines from the end of a horizontal section of the wellbore to a target point in the formation.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 13/12/2011

(21) |2087/2011

(44) November 2015 (45) 06/04/2016

(11) 27519

(51)	Int. Cl. 8 G07F 19/00 & G06Q 40/00	
(71)	1. EINNOVATIONS HOLDINGS PTE.LTD (SIGAPORE) 2. 3.	
(72)	<ol> <li>IBASCO, Alex D.</li> <li>UBALDE, Oliver L.</li> <li>TIU, Darlene Katherine L.</li> <li>SALVADOR, Rodrigo S.</li> <li>PALERMO, Christopher R.</li> </ol>	
(73)	1. 2.	
(30)	1. (SG) 200904119-5 – 16/06/2009 2. (PCT/SG2010/000222) – 11/06/2010 3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

#### (54)TRANSACTION SYSTEM AND METHOD Patent Period Started From 11/06/2010 and Will end on 10/06/2030

A transaction method and system comprising receiving a request to change a transaction channel or mode of an account having a plurality of transaction channels/modes from a first state to a second state; and changing the state of the transaction channel/mode to the second state in response to the received request is disclosed. The invention further discloses a transaction facilitator for facilitating transactions in relation to an account having a plurality of transaction channels or modes, and operable to receive via the communication network a request from an owner of the account to change the state of a transaction channel/mode of the plurality of transaction channels/modes from a first state to a second state; wherein, upon receipt of the request the transaction facilitator is operable to change the state of the transaction channel to the second state.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

- (22) 30/09/2013
- (21) 1524/2013
- (44) November 2015
- (45) 06/04/2016
- **(11)** | 27520

(51)	Int. Cl. 8 C22C 21/00 & C22F 1/04, 1/00 & F28F 21/08
(71)	1. KABUSHIKI KAISHA KOBE SEIKO SHO (JAPAN) 2. 3.
(72)	1. KANEDA, DAISUKE 2. UMEDA, HIDETOSHI 3.
(73)	1. 2.
(30)	1. (JP) 2011-080854 - 31-03-2011 2. (JP) 2011-080855 - 31-03-2011 3. (PCT/JP2012/055660) - 06-03-2012
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) COMBINATION PRESS ALUMINIUM ALLOY FIN MATERIAL FOR HEAT EXCHANGER, AND MANUFACTURING METHOD FOR SAME

#### Patent Period Started From 06/03/2012 and Will end on 05/03/2032

(57) Aluminium alloy fin material, which is combination press fin material, is for a heat exchanger, and exhibits excellent collar-cracking resistance which can suppress the occurrence of collar cracking during a molding process, is formed from aluminium alloy material which contains 0.010-0.4 mass% of Fe, the remainder of which is formed from Al and unavoidable impurities, and in which the Al purity is at least 99.30 mass%. The combination press aluminium alloy fin material for a heat exchanger is characterized by having a thickness of less than 0.115mm, having a subgrain average particle diameter of 2.5nm or less and proof stress of 100-130N/mm2. The material is further characterized in that intermetallic compounds having a maximum length which exceeds 3nm are not more than 2000/mm2.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 30/01/2012

(21) 163/2012

(44) November 2015

(45) 10/04/2016

(11) 27521

(51)	Int. Cl. <sup>8</sup> A47B 47/00
(71)	1. ABD EL HAMID MOHAMED SARWAT ISMAIL SABRI (EGYPT)
	2. 3.
(72)	1. ABD EL HAMID MOHAMED SARWAT ISMAIL SABRI
(12)	2.
	3.
(73)	1.
, ,	2.
(30)	1.
	2.
	3.
<b>(74)</b>	MOHAMED TAREK ABO RAGAB
(12)	UTILITY MODELS

#### ENGINEERING SYSTEM FOR COLLECTION AND STORGE OF **TABLES AND CHAIRS**

#### Patent Period Started From 30/01/2012 and Will end on 29/01/2019

(57) Regards the subject of invention with engineering system for collection and storage wooden and iron tables and chairs where there are a way for folding these things where they can control of storage space and the way for folding so ease of use in terms of the possibility of any person from opening and closing this unit easily.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 21/11/2010

(21) 1940/2010

(44) November 2015

(45) 10/04/2016

(11) 27522

(51)	Int. Cl. 8 C08G 65/323, 324, 326		
(71)	1. ID BIOCHEM, INC 2. HANMI SCIENCE CO., LTD 3.		
(72)	<ol> <li>PARK, Pyeong-uk</li> <li>KIM, Seong-Nyun</li> <li>CHOI, Woo-Hyuk</li> </ol>	KWON, Se-Chang JANG, Hak-Sun LEE, Gwan-Sun	
(73)	1. 2.		
(30)	1. (KR) 10-2008-0046802 - 20-05-2008 2. (PCT/KR2009/002628) - 19-05-2009 3.		
(74)	SAMAR AHMED EL LABBAD		
(12)	Patent		

### (54) A METHOD FOR PREPARING HIGH-PURITY POLYETHYLENEGLYCOL ALDEHYDE DERIVATIVES

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

(57) A method for preparing polyethyleneglycol derivatives is provided represented by chemical formula 4 from formula 3 Formula 3

 $HO-(CH_2CH_2O)_n-H$ 

Formula 4

HO-(CH<sub>2</sub>)<sub>k</sub>-O-(CH<sub>2</sub>CH<sub>2</sub>O)<sub>n</sub>-<math>(CH<sub>2</sub>)<sub>k</sub>-OH

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 22/05/2013

(21) 870/2013

(44) October 2015

(45) 10/04/2016

(11) 27523

(51)	Int. Cl. 8 C04B 28/14
(71)	1. SAINT-GOBAIN PLACO SAS 2. 3.
(72)	<ol> <li>FISHER, ROBIN DANIEL</li> <li>RIDEOUT, JAN</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (GB) 1019841.4 - 23-11-2010 2. (PCT/GB2011/052298) - 23-11-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) A METHOD OF MANUFACTURE OF A CALCIUM SULPHATE-BASED PRODUCT HAVING INCREASED FIRE RESISTANCE Patent Period Started From 23/11/2011 and Will end on 22/11/2031

(57) The invention relates to a method of manufacture of a calcium sulphate-based product having increased fire resistance comprising the step of, providing a stucco slurry comprising a mixture of stucco, water and at least one phosphate additive and allowing the stucco mixture to hydrate and set, wherein the phosphate additive is present in an amount of at least 2 weight % of the dry weight of slurry and further wherein the phosphate additive is provided in an aqueous solution.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 27/03/2013

(21) 0508/2013

(44) October 2015

(45) 10/04/2016

(11) 27524

(51)	Int. Cl. 8 A61F 13/15 & B65G 47/46, 47/64
(71)	1. UNICHARM CORPORATION (JAPAN) 2.
	3.
(72)	1. ISHIKAWA, Osamu
,	2. IIDA, Miwa
	3.
(73)	1.
( - )	2.
(30)	1. (JP) 2010-223041 - 30-09-2010
( )	2. (PCT/JP2011/072904) - 28-09-2011
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) DISTRIBUTING DEVICE AND DISTRIBUTING METHOD FOR ABSORBENT ARTICLES

#### Patent Period Started From 28/09/2011 and Will end on 27/09/2031

(57) This distributing device (1) for absorbent articles is provided with a main conveyor path (4M), a branch conveyor path (4B) that branches from the main conveyor path (4M), a main conveyor path (2M) that conveys mabsorbent articles along the main conveyor path (4M), a diverting mechanism (3) that diverts absorbent articles in the main conveyor path (4M) from the main conveyor path (4M) to the branch conveyor path (4B), and a branch conveyor mechanism (4B) that conveys the absorbent articles diverted by the diverting mechanism (3) along the branch conveyor path (4B). The diverting mechanism (3) is provided with a diverting part (8A) for diverting the absorbent articles. The diverting part (8A) moves without stopping, entering the main conveyor path (4M) from a standby position outside the main conveyor path and then, after leaving the main conveyor path (4M), returning to the standby position.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 08/01/2012

(21) 0038/2012

(44) December 2015

(45) 10/04/2016

(11) 27525

(51)	Int. Cl. <sup>8</sup> E03D 1/10
(71)	1. ADEL MOHAMED ABDO AHMED (EGYPT)
	2.
(72)	3. 1. ADEL MOHAMED ABDO AHMED
(72)	2.
	3.
(73)	1.
,	2.
(30)	1.
	2.
	3.
(74)	
(12)	Patent

#### AMOBILE TOILATE FOR PATIENT **(54)** Patent Period Started From 08/01/2012 and Will end on07/01/2032

- (57) It's an dectric movable chair easy to more light, has a small size and consists of:
  - 1 Arineser with hot and cold water
  - 2- Toilate
  - 3 -Bell
  - 4 -Adeadener for any smell
  - 5 -Astore for refusers with an emptying hole

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 26/06/2013

(21) 1107/2013

(44) November 2015

(45) 10/04/2016

(11) 27526

(51)	Int. Cl. 8 C10M 107/44 & C09D 175/00 & E21B 17/042 & F16L 15/00 & C10N 30/06	
(71)	<ol> <li>VALLOUREC MANNESMANN OIL &amp; GAS (FRANCE)</li> <li>NIPPON STEEL &amp; SUMITOMO METAL CORPORATION (JAPAN)</li> <li>3.</li> </ol>	
(72)	<ol> <li>PINEL, Eliette</li> <li>GARD, Eric</li> <li>PETIT, Mikael</li> </ol>	4. GOUIDER, Mohamed
(73)	1. 2.	
(30)	1. (FR) 10/05156 - 29-12-2010 2. (PCT/EP2011/006258) - 12-12-2011 3.	
(74)	SMAS INTELLECTUAL PROPERTY REPRESENTED BY HALA WAHED MOHAMMED AHMED	
(12)	Patent	

# (54) PROCESS FOR COATING A THREADED TUBULAR COMPONENT, THREADED TUBULAR COMPONENT AND RESULTING CONNECTION

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

(57) The invention concerns a threaded tubular component for drilling or working hydrocarbon wells, said tubular component having at one of its ends a threaded zone produced on its outer or inner peripheral surface depending on whether the threaded end is male or female in type, in which at least a portion of the end is coated with at least one film of polyurethane, 100% solid state, with an essentially rigid structure, based on a matrix of polyurethane and polyurea, in which the urethane functionality is predominant with respect to the urea functionality in a proportion of at least 55% by weight.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

- (22) 13/12/2009
- (21) | 1820/2009
- (44) December 2015
- (45) 10/04/2016
- (11) 27527

(51)	Int. Cl. <sup>8</sup> A01M 19/00
(71)	1. ADNAN MUHAMMED AL HAJ HASSAN (EGYPT) 2. 3.
(72)	1. ADNAN MUHAMMED AL HAJ HASSAN 2. 3.
(73)	1. 2.
(30)	1. (LEBANON) 8761 – 15/09/2009 2. 3.
(74)	MOTI GADALLA
(12)	Patent

#### (54)UNIT FOR TREATING AGRICULTURAL PRODUCTS FOR PESTS USING THERMAL VAPOR

#### Patent Period Started From 13/12/2009 and Will end on 12/12/2029

(57) The machine completely works on the induction of insect larvae. It makes larvae out of the inside of fruits and kills all its ages from egg to full larva by water vapor at a temperature of 46.20 c for a period of twenty minutes without using any chemicals while maintaining all the nutrients.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 05/10/2011

(21) 1677/2011

(44) October 2015

(45) 11/04/2016

(11) |27528

(51)	Int. Cl. 8 B01J 8/18 & F26B 3/06	
(01)		
(71)	1. LUMMUS TECHNOLOGY INC (UNITED STATES OF AMERICA)	
	2.	
	3.	
(72)	1. CASTAGNOS, JR., LEONCE FRANCIS	KOLB, NORMAN PAUL
	2. CHAN, TING YEE	
	3. PIEPER, RONALD EUGENE	
(73)	1.	
, ,	2.	
(30)	1. (US) 12/418,943 - 06-04-2009	
( )	2. (PCT/US2010/030076) - 06-04-2010	
	3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

### (54) DEVICES FOR INJECTION OF GASEOUS STREAMS INTO A BED OF FLUIDIZED SOLIDS

#### Patent Period Started From 06/04/2010 and Will end on 05/04/2030

(57) Injection nozzles for use in a gas distribution device are disclosed. In one aspect, the injection nozzle may include: a tube having a fluid inlet and a fluid outlet; wherein the inlet comprises a plurality of flow restriction orifices. In another aspect, embodiments disclosed herein relate to an injection nozzle for use in a gas distribution device, the injection nozzle including: a tube having a fluid inlet and a fluid outlet; wherein the fluid inlet comprises an annular orifice surrounding a flow restriction device. Injection nozzles according to embodiments disclosed herein may be disposed in a gas distribution manifold used in a vessel, for example, for conducting polymerization reactions, spent catalyst regeneration, and coal gasification, among others.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 17/07/2007

(21) 380/2007

(44) December 2015

(45) 17/04/2016

(11) 27529

(51)	Int. Cl. <sup>8</sup> A01K 63/04
(71)	1. EL FAYOUM FOR DEVELOPMENT COMPANY (EGYPT)
	2.
	3.
(72)	1. DR. ABD EL-SALAM ABD EL-RAHIM EBRAHIM AL-BATTAL
( - )	2.
	3.
(73)	1.
( - )	2.
(30)	1.
( )	2.
	3.
(74)	EL FAYOUM FOR DEVELOPMENT COMPANY
(12)	Patent

### (54) ARTIFICIAL SPAWNING OF NILE PERCH FISHES LATES NILOTICUS IN THE AQUACULTURE PONDS

#### Patent Period Started From 17/07/2007 and Will end on 16/07/2027

- (57) Artificial spawning of Nile Perch Fishes Lates miloticus in the aquaculture ponds by anesthetize, Injection and adjusting the physical properties of water during the reproduction.
  - Aneasthetized by Clove oil before and during mjection (200 ml oil+150 ml alcohol per liter)
  - Injected with 400 IU of LH+FSH+HCG per kg body weight, on three doses the first consist of FSH+LH+HCG, followed by HCG only in the thread and fourth days
  - Adjusting the physical properties of water during the reproduction especially conductivity by adding the drinking water.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 13/08/2009

(21) 1232/2009

(44) October 2015

(45) 21/04/2016

(11) 27530

(51)	Int. Cl. 8 D06P 1/44, 5/00
(71)	1. REHAM AHMED EL SEBAAY SHAMS (EGYPT) 2. 3.
(72)	1. REHAM AHMED EL SEBAAY SHAMS 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

#### (54)SILICON MULTI PURPOSE PASTE Patent Period Started From 13/08/2009 and Will end on 12/08/2029

The past consist of: 32,58% transparent silicon + 26.37% poly vinyl Acitate + (11.62%) Binder + organic pigment colors ) + 3, 6% concentrated Acetic Acid 5%+25,83 Humidity. It is Resinous smooth surface embossed (relif), It colored by organic pigment colors dough to become translucent permeable light when applied to glass surface and clear plastic, this paste can be used in many purposes i.e printing the formation of artistic decoration on various textile types surface, wood, glass walls paper and plastic.

It is Characterized by high durability degrees against washing, friction, coloring and heating, applicable to them, used as an adhesive to install the aforementioned raw materials. Is also working to prevent leakage of liquids and colors applied places it.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

#### **Egyptian Patent Office**



**PCT** 

(22) 02/11/2011

(21) | 1870/2011

(44) October 2015

(45) 21/04/2016

(11) | 27531

(51)	Int. Cl. 8 C01C 1/04 & C01B 21/02	
(71)	<ol> <li>NAKAMURA, NORIHIKO (JAPAN)</li> <li>SUGIURA, SHIGEKI (JAPAN)</li> <li>OBATA, SHUSEI (JAPAN)</li> <li>TAKESHIMA, SHINICHI (JAPAN)</li> </ol>	5. NAKANISHI, HARUYUKI (JAPAN) 6. IIDA, YOSUKE (JAPAN) 7. SATO, AKINORI (JAPAN) 8. OKI. Tseshe (JAPAN)
(72)	<ol> <li>NAKAMURA, Norihiko</li> <li>SUGIURA, Shigeki</li> <li>OBATA, Shusei</li> <li>TAKESHIMA, Shinichi</li> </ol>	5. NAKANISHI, Haruyuki 6. IIDA, Yosuke 7. SATO, Akinori 8. OKI. Tseshe (JAPAN)
(73)	1. 2.	
(30)	1. (CN) 200910149706.3 - 05-05-2010 2. (PCT/JP2010/057918) - 28-04-2010 3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent Patent	

### (54) A METHOD FOR PRODUCING AMMONIA Patent Period Started From 28/04/2010 and Will end on 27/04/2030

(57) The invention is related to a method of producing ammonia comprising solar energy is acquired by hydrogen production facility and producing hydrogen from water by utilizing a part of the acquired solar energy, producing nitrogen from air by a nitrogen producing facility, storing the hydrogen produced by the hydrogen production facility in a hydrogen storage facility, and continuously synthesizing ammonia from produced hydrogen or stored hydrogen and produced nitrogen by ammonia synthesis facility, converting thermal energy from burning the produced or stored hydrogen with air to electric energy and supplying electric power to at least one of the hydrogen production, nitrogen production and ammonia synthesis facilities.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

#### **Egyptian Patent Office**



**PCT** 

(22) 29/03/2012

(21) |0584/2012

(44) November 2015

(45) 21/04/2016

(11) 27532

(51)	Int. Cl. 8 A61F 13/15, 13/49
(71)	1. UNI-CHARM CORPORATION (JAPAN) 2. 3.
(72)	<ol> <li>SAKAGUCHI, SATORU</li> <li>OKU, TOMOMI</li> <li>MATSUSHIMA, Hideki</li> </ol>
(73)	1. 2.
(30)	1. (JP) 2009-230041 - 01-10-2009 2. (PCT/JP2010/005925) - 01-10-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) DISPOSABLE DIAPER Patent Period Started From 01/10/2010 and Will end on 30/09/2030

(57) A disposable diaper includes: a main body having a liquid-permeable topsheet, a liquid-impermeable outer sheet an absorber provided between the topsheet and the outer sheet, and a gather. The gather includes a plurality of elastic members arranged in a width direction outboard of the absorber. The elastic members are fixed to the gather in a state where the elastic members are stretched in a longitudinal direction. A side flap is located in one of end portions of the main body in the longitudinal direction and projects outwardly beyond at least one of end portions of the main body in the width direction. A joint portion joins the side flap and the main body. In a spread-out state of the disposable diaper, an outermost elastic member among the elastic members is arranged outboard of the joint portion in the width direction.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

#### **Egyptian Patent Office**



**PCT** 

(22) 21/03/2012

(21) 0520/2012

(44) December 2015

(45) 26/04/2016

(11) 27533

(51)	Int. Cl. <sup>8</sup> H04L 12/26 & H04W 24/00	
(71)	1. 3RD BRAND PTE. LTD. (SINGAPORE) 2. 3.	
(72)	<ol> <li>UNDERWOOD, John Anthony</li> <li>KEYS, Christopher Edward</li> <li>LEINONEN, Rainer</li> </ol>	4. KERO, Markku
(73)	1. 2.	
(30)	1. (SG) 200906354-6 - 24-09-2009 2. (PCT/SG2010/000330) - 07-09-2010 3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

### (54) A METHOD FOR ANALYSIS AND NETWORK MONITORING TOOL

#### Patent Period Started From 07/09/2010 and Will end on 06/09/2030

(57) A method for determining the performance of a communications network said method comprising the steps of transmitting a message from a mobile device to at least one server, each server within the at least one servers being configured to direct the message back to the mobile device; receiving at the mobile device the messages returned by each of the at least one server; calculating a time differential between transmission of the message by said mobile device and receipt of the messages, returned by each server of the at least one server, by said mobile device; and forwarding the calculated time differential to a primary server selected from the at least one server for storage is disclosed.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

- (22) 01/12/2010
- (21) 2021/2010
- (44) December 2015
- (45) 27/04/2016
- (11) |27534

(51)	Int. Cl. <sup>8</sup> H04L 9/08 & H04W 12/02
(71)	1. TELEFONAKTIEBOLAGET LM ERICSSON P U B L (SWEDEN) 2. 3.
(72)	1. NORRMAN, KARL 2. NASLUND, MATS 3.
(73)	1. 2.
(30)	1. (US) 06-06-2008 - 06-06-2008 2. (PCT/EP2008/005960) - 21-07-2008 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) A METHOD FOR GENERATING A CRYPTOGRAPHIC KEY Patent Period Started From 21/07/2008 and Will end on 20/07/2028

(57) A technique for generating a cryptographic key (120) is provided. The technique is particularly useful for protecting the communication between two entities (202, 302; 204, 304) cooperatively running a distributed security operation. The technique comprises providing at least two parameters (106, 108), the first parameter (106) comprising or deriving from some cryptographic keys (110, 112) which have been computed by the first entity (202, 302) by running the security operation; and the second parameter (108) comprising or deriving from a token (116) having a different value each time the security (114) operation is initiated by the second entity (204, 304) for the first entity (202, 302). A key derivation function is applied to the provided parameters (106, 108) to generate the desired cryptographic key (120).

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 07/03/2013

(21) 0381/2013

(44) December 2015

(45) 27/04/2016

(11) |27535

(51)	Int. Cl. 8 B21D 21/00
(71)	1. CONTAINER DEVELOPMENT, LTD (UNITED STATES OF AMERICA) 2. 3.
(72)	1. STODD, R., PETER 2. 3.
(73)	1. 2.
(30)	1. (US) 12/924,077 - 20-09-2010 2. (PCT/US2011/001590) - 15-09-2011 3.
(74)	WAGDY NABIH. AZIZ EZZAT
(12)	Utility model

### (54) METHOD AND APPARATUS FOR FORMING A CAN SHELL Patent Period Started From 15/09/2011 and Will end on 14/09/2018

(57) Can shells are produced with tooling installed on a mechanical press, and the tooling includes an upper retainer supporting a blank and draw die enclosing an outer pressure sleeve and an inner pressure sleeve surrounding a die center punch, all having pistons. An air chamber is connected by air spring passages to the inner pressure sleeve piston, and the outer pressure sleeve receives the same air as the air chamber or lower pressure air. The die center punch has an insert which initiates the drawing of a cup, and the inner pressure sleeve and die center punch have contoured surfaces which mate with opposing surfaces on a die core ring to form and clamp the chuck wall of the shell during down stroke of the press. A panel punch has peripheral surfaces which form the panel wall and countersink of the shell during upstroke of the press.

Ministry of State for Scientific Research Academy of Scientific Research & Technology



# GRANTED PATENTS' ABSTRACTS GAZETTE "PATENT ISSUED MAY IN 2016"

Egyptian Patent Office

Issue No 240

**JUNE 2016** 

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( PATENT No. 27559)	(25)

#### **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	30
Priority Country	
Issuance Date	45
International Patent Classification	51
Title	54
Abstract	57
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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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Code	Country
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AO	Angola
AR	Argentina
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AU	Australia
AZ	Azerbaijan
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BG	Bulgaria
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BW	Botswana
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CL	Chile
CM	Cameroon
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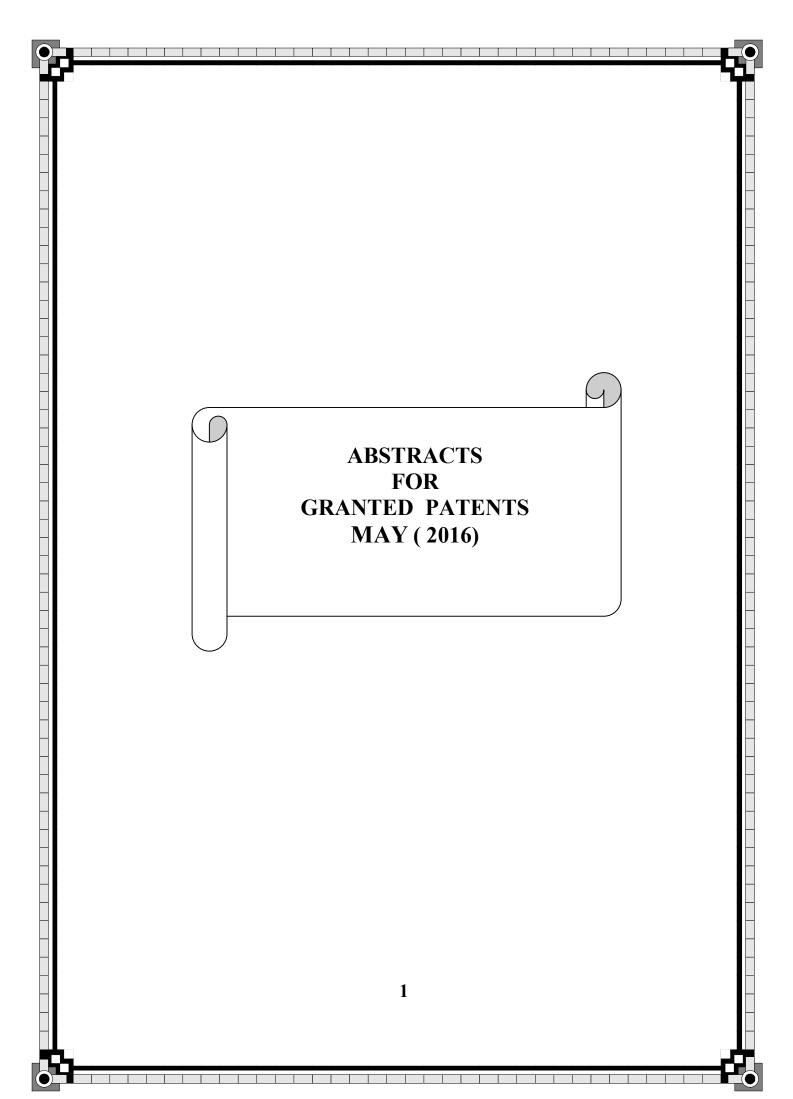
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KR	Republic of Korea
KW	Kuwait
KZ	Kozakhstan
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MN MR MT	Mongolia Mauritania Malta Maldives
MR MT	Mauritania Malta Maldives
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-	Maldives
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SO	Somalia
SR	Suriname
ST	Saotome and Principe
SV	El Salvador
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TH	Thailand
TM	Turkmenistan
TN	Tunisia
TR	Turkey
TT	Trindad and Topago
TW	Taiwan
TZ	United Republic of Tanzania
UA	Ukraine
UG	Uganda
US	United States of America
UY	Uruguay
UZ	Uzbekistan
VC	Saint Vincent and the Grenadines

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



Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 21/05/2006

(21) 0474/2006

(44) **September 2015** 

(45) 03/05/2016

(11) 27536

(51)	Int. Cl. 8 A61K 31/505 & A61P 9/08	
(71)	<ol> <li>PFIZR INC (UNITED STATES OF AMER</li> <li>3.</li> </ol>	ICA)
(72)	1. BELL, Andrew, Simon	5. Marsh, Ian, Roger
	2. BROWN, David	6. Morrell, Andrew, Ian
	3. DACK, Kevin, Neil	7. Michael, John
	4. Fox, David, Nathan, Abraham	8. winslow,carol,ann
(73)	1. 2.	
(30)	1. (GB) 0/0327319 - 24-11-2003	
	2. (PCT/IB2004/003747) - 12-11-2004	
	3.	
(74)	ABD ELHADI OFFICE	
<b>(12)</b>	Patent	

### (54) 5.7DIAMINOPRRAZOLO 4.3-DIPYRIMIDINES WITH PDE-5 INHIBITING ACTIVITY

#### Patent Period Started From 12/11/2004 and Will end on 11/11/2024

(57) The present invention relates to 5,7- Diaminopyrrazolo {4.3-d} pyrimidines derivatives of formula (1) with phosphodiesterase (PDE) inhibiting activity especially type 5 cyclic guanosine monophosphate (cGMP) referred as (PDE-5 inhibitors) and used in the treatment of hypertension & other disturbances, methods for their preparation and pharmaceutical compositions thereof.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

- (22) 24/07/2013
- (21) 1219/2013
- (44) December 2015
- (45) 03/05/2016
- (11) 27537

(51)	Int. Cl. <sup>8</sup> H01F 27/28
(71)	1. USES, INC. (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>WOHLFORTH, E. Brian</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (US) 13/015,694 - 28-01-2011 2. (PCT/US2011/001251) - 15-07-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) AC POWER CONDITIONING CIRCUIT Patent Period Started From 15/07/2011 and Will end on 14/07/2031

(57) A multi-coil choke for an AC power conditioner includes a magnetic core having first, second and third parallel legs. A first coil wrapped around the first leg terminates in first and second leads at respective ends. A second coil wrapped around the second leg terminates in first and second leads at respective ends. A third coil wrapped around the third leg terminates in first and second leads at respective ends. A fourth coil is formed from a proximal portion of the second lead of said first coil. The fourth coil is wrapped around a distal portion of the second lead of the third coil. A fifth coil is formed from a proximal portion of the second lead of the third coil. The fifth coil is wrapped around a distal portion of the secon/ lead of the first coil. AC power conditioners using one or more such chokes are also disclosed.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 20/02/2012

(21) 0301D1/2012

(44) December 2015

(45) 03/05/2016

(11) 27538

(51)	Int. Cl. <sup>8</sup> B01D 67/00,69/02 71/56 & C08L 77/00
(71)	1. NATIONAL RESEARCH CENTER (EGYPT) 2. 3.
(72)	<ol> <li>AYMAN TAHA ELABD EIZEEM -GENDI</li> <li>HEBA ABDALLAH MOHAMED</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. 2. 3.
(74)	POINT OF CONTACT THE PATENT OFFICE - NATIONAL CENTER FOR RESEARCH AND REPRESENTED BY MRS. / MR. MAGDA MAHSP AND OTHERS
(12)	Patent

# (54) POLYAMID-6 MEMBRANES WITH HIGH SEPARATION EFFICIENCY FOR APPLICATION IN THE SEPARATION OF MIXTURES OF WATER AND ALCOHOLS USING PERVAPORATION AND ITS PREPARATION METHOD

#### Patent Period Started From 20/02/2012 and Will end on 19/02/2032

(57) This study addresses the preparation of Polyamide-6 flat sheet membranes via wet phase inversion technique for prevaporation. The developed membranes specified water perm-selectivity over a wide range with alcohol/ water binary mixtures. The water perm-selectivity reached to a maximum at low water content in feed. The permeate flux increased with increasing water content in feed and with increasing operating temperature while separation factor decreased. The polyamide-6 membrane was able to achieve molecular mixture separation with selectivity close to one which can be obtained with dense membranes. Where, the water selectivity from feed contains 90% alcohol/10%water reached to 99% at 30?C.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

- (22) 25/12/2012
- (21) 2125/2012
- (44) December 2015
- (45) 03/05/2016
- (11) 27539

(51)	Int. Cl. <sup>8</sup> C09J 9/06, 101/02, 5/02
(71)	1. National Research Centre (EGYPT)
	3.
(72)	1. Prof. Dr. Altaf Halim Basta
,	2. Prof. Dr. Houssni El-Saied Mohamed Ali
	3. Res. Ass. Vivian Fayez Lotfy
(73)	1.
,	2.
(30)	1.
,	2.
	3.
(74)	POINT OF CONTACT THE PATENT OFFICE - NATIONAL CENTER FOR RESEARCH AND
	REPRESENTED BY MRS. / MR. MAGDA MAHSP AND OTHERS
(12)	Patent

# (54) APPROACH FOR ENHANCING THE UTILIZATION OF FORMALDEHYDE SCAVENGER IN WOOD ADHESIVE TO EASILY APPLY IN INDUSTRIAL SCALE

#### Patent Period Started From 25/12/2012 and Will end on 24/12/2032

This invention dealing to find the approach to mutative the application of HCHOscavenger to urea-formaldehyde, UF (commercial wood adhesive) till it's available in industrial scale application. Because despite the previously invented starch-based HCHO-scavenger success in reducing the free-HCHO of UF-based wood products, till these products convenient with the environmental requirements for type E1, unfortunately its utilization provided adhesive system not acceptable for application in industrial scale. Due to its addition leads to increase the viscosity of adhesive system, as well as reducing the its gel time, which cases serious problems on adhering the fibers in hot weather, in summer, as well as its thermal stability behavior. To overcome these disadvantages, two approaches were carried out, the first was done by adding catalyzed during scavenger preparation, while the second approach concerned on introducing chlorine atom, by simple procedure, in back-bone of starch ?based scavenger. Assessment of invented approaches besides preventing the negative results from using HCHO-scavenger was carried out, they led to improve the thermal stability and mechanical properties of final wood product made from using rice straw fibers, beside the reduction of free-HCHO of board produced by  $\sim 79\%$ .

# Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

(22) 31/08/2010

(21) 1460/2010

(44) November 2015

(45) 03/05/2016

(11) 27540

(51)	Int. Cl. <sup>8</sup> C08J 7/00
(71)	1. NATIONAL RESEARCH CENTER (EGYPT) 2. 3.
(72)	<ol> <li>Prof. Dr.ASSOC. PROF. AHMED AWAD HAROUN</li> <li>Dr.EMAN FADL AHMED</li> <li>Prof. Dr.MAHMOUD AHMED ABD EL-GHAFFAR</li> </ol>
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

# (54) ECO-FRIENDLY SAFE PLASTICIZER WITH HIGH PERFORMANCE ANTIMICROBIAL POTENCY FOR BIOMEDICAL AND INDUSTRIAL APPLICATIONS XX

#### Patent Period Started From 31/08/2010 and Will end on 30/08/2030

(57) This invention aims at using novel antimicrobial thermoplastic plasticizer based on blending of aliphatic anhydride derivatives with poly (vinyl chloride) in presence of different compositions of the commercial protein using Brabender via polymer melting technique. This anhydride-based plasticizer makes the membrane ingredients blending homogenously under melting process. Also the used plasticizer exhibited high performance antimicrobial potency for some biomedical and industrial applications. The prepared biocomposite films were evaluated for antimicrobial activity using agar disc diffusion method against some gram-positive and gramnegative bacteria such as: Staphylococcus aureus (S. aureus) Klebsiella pneumoniae (K. pneumoniae) Bacillus cereus (B. cereus) Bacillus subtilis (B. subtilis) and Escherichia coli (E. coli). The majority of these biocomposites except PVC alone, had inhibitory effect at different concentrations (1.0-20 mg/mL) against all above mentioned bacteria.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 12/05/2013

(21) | 0804/2013

(44) December 2015

(45) |03/05/2016

(11) 27541

(51)	Int. Cl. 8 C11D 1/37, 3/50, 17/00, 3/48 & E03D 9/0	)2
(71)	1. HENKEL AG & CO. KGAA (GERMANY) 2. 3.	
(72)	<ol> <li>SCHIEDEL, Marc-Steffen</li> <li>GIESEN, Brigitte</li> <li>ERNST, Anke</li> </ol>	<ul><li>4. REICHERT, Christian</li><li>5. CAPPLEMAN, Robert Stephen</li><li>6. HORN, Michael</li></ul>
(73)	1. 2.	
(30)	1. (DE) 848.0 043 2010 10 - 12-11-2010 2. (PCT/EP2011/069965) - 11-11-2011 3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

#### BALL-SHAPED TOILET BLOCKS BASED ON ANIONIC (54)**SURFACTANTS**

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

(57) A toilet cleaning block which comprises perfume, at least one alkyl benzene sulphonate and at least one olefin sulphonate and not more than 2.5% by weight of nonionic surfactants can be shaped in a rolling machine or a press to give a rotationally symmetric body, especially to give a ball, and is employed in a system composed of at least one cleaning block and at least one release device.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 07/06/2011

(21) 0924/2011

(44) December 2015

(45) |04/05/2016

(11) 27542

(51)	Int. Cl. <sup>8</sup> C11D 3/37, 1/62	
(71)	1. UNILEVER PLC (UNITED KINGDOM) 2. 3.	
(72)	1. CLOWES, Elizabeth, Ann 2. MOLE, Charles, Vincent 3. NEWMAN, Mark, Nicholas	RY, Janette
(73)	1. 2.	
(30)	1. (PCT/EP2009/050076) – 06-01-2009 2. (PCT/EP2009/067917) – 24-12-2009 3.	
(74)	NAHED WADE REZK	
(12)	Patent	

#### **(54)** IMPROVEMENTS RELATING TO FABRIC CONDITIONERS Patent Period Started From 24/12/2009 and Will end on 23/12/2029

A fabric conditioner composition comprising a polymer and a fabric softening active, characterized in that the polymer is a cross slinked water swell able cationic copolymer of at least one cationic monomer and optionally other monomers selected from non-ionic anionic and monomers, characterized in that the polymer comprises less than 25 % of water soluble polymers, by total weight of the polymer, and a cross-linking agent concentration of from 500 ppm to 5000 ppm relative to the polymer.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 11/01/2012

(21) 0055/2012

(44) December 2015

(45) 04/05/2016

(11) 27543

(51)	Int. Cl. 8 H01L 31/0236, 31/052, 31/0392 & C03B 13/00 & G02B 1/00
(71)	1. SAINT-GOBAIN GLASS (FRANCE) 2. 3.
(72)	<ol> <li>SCHIAVONI, Michele</li> <li>GAYOUT, Patrick</li> <li>NOSITSCHKA, Wolfgang Andreas</li> </ol>
(73)	1. 2.
(30)	1. (FR) 0954908 - 16-07-2009 2. (PCT/EP2010/060199) - 15-07-2010 3.
(74)	NAHED WADE REZK
(12)	Patent

### (54) TEXTURED TRANSPARENT PLATE AND METHOD FOR MANUFACTURING SUCH A PLATE

#### Patent Period Started From 15/07/2010 and Will end on 14/07/2030

(57) The invention relates to an integral transparent plate which includes, on at least one of the surfaces thereof, at least one region textured by a plurality of geometrical patterns raised relative to a general plane of the surface, each pattern having a cross-section, parallel to the general plane, which decreases over distance from the surface, from a base to a top of the pattern. According to the invention, the area of the zones of the textured region for which the angle of inclination of the zone relative to the general plane is less than 30 is less than 35% of the total area of the textured region.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 10/04/2012

(21) 0661/2012

(44) December 2015

(45) 04/05/2016

(11) 27544

(51)	Int. Cl. 8 B65C 9/18, 9/40
(71)	1. SICPA HOLDING SA (SWITZERLAND) 2. 3.
(72)	<ol> <li>FEFIN, Christian</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (US) 61/255,698 - 28-10-2009 2. (PCT/EP2010/066374) - 28-10-2010 3.
(74)	NAHED WADE REZK
(12)	Patent

# (54) LABEL EJECTION DEVICE Patent Period Started From 28/10/2010 and Will end on 27/10/2030

(57) The invention relates to a label ejection device a labeling printing system comprising said device and a method for discarding labels, in particular self-adhesive labels. The invention is concerned in particular with preventing faulty labels from being applied to items (or containers containing such items), with minimal attendant interruption of machine operation. The effective labeling systems and equipment are not perfect and, on occasion, "incorrect" or faulty labels may be applied to containers. There is a need for an improved label ejection device and an improved labeling printing system that more efficiently and effectively removes labels from a sheet like support. An object of the present invention is to improve the apparatuses, systems and methods for discarding and collecting labels, in particular self-adhesive labels

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

(22) 03/01/2013

(21) 0021/2013

(44) December 2015

(45) 04/05/2016

(11) 27545

(51)	Int. Cl. 8 A47J 45/07
(71)	1. SILAG HANDEL AG (GERMANY) 2. 3.
(72)	<ol> <li>SCHULTZ, Horst</li> <li>LAPAWA, Siegfried</li> <li>.</li> </ol>
(73)	1. 2.
(30)	1. (DE) 194.9012 201020 - 05-07-2010 2. (PCT/EP2010/005888) - 27-09-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) LID FOR A PRESSURE COOKER, Patent Period Started From 27/09/2010 and Will end on 26/09/2030

(57) The invention relates to a lid for a pressure cooker. The handle is removable fixed to a centrally disposed valve housing and can be removed together with a locking mechanism.

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**PCT** 

(22) 31/08/2013

(21) | 1301/2009

(44) December 2015

(45) |04/05/2016

(11) 27546

(51)	Int. Cl. <sup>8</sup> C02F 1/76
(71)	1. UNILEVER PLC. (UNITED KINGDOM) 2.
	3.
(72)	1. KADAM, Manoj Krishna
	2. NADAKATTI, Suresh Murigeppa
	3. TENDULKAR, Mahesh Subhash
(73)	1.
(10)	2.
(30)	1. (IN) 0570/MUM/2007 - 28-03-2007
(00)	2. (EP) 07108207.7 - 15-05-2007
	3. (PCT/EP2008/052498) – 29-02-2008
(74)	NAHED WADE REZK
(12)	Patent

### **(54)** WATER PURIFICATION SYSTEM Patent Period Started From 29/02/2008 and Will end on 28/02/2028

The invention relates to a water purification system, and a method of manufacture of the water purification system. The invention particularly relates to a water purification system for packing small quantities of solid chlorine disinfectant which is stable for long period of time thereby ensuring that sufficient chlorine is available for killing of harmful microorganisms in water to make it safe for human consumption. Accordingly, the invention provides a water purification system comprising a sachet containing granules of calcium hypochlorite

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 26/12/2011

(21) 2157/2011

(44) December 2015

(45) 05/05/2016

(11) 27547

(51)	Int. Cl. <sup>8</sup> B01J 19/00
(71)	1. HEBAT ELRAHMAN AHMED HAFEEZ (EGYPT) 2.
(73)	3. 1. HEBAT ELRAHMAN AHMED HAFEEZ
(72)	1. HEBAT ELRAHMAN AHMED HAFEEZ 2. 3.
(73)	1.
	2.
(30)	1.
	2. 3.
(74)	
(12)	Patent

# (54) LASER PRETREATMENT OF THIN FILMS AND SURFACES BEFORE COATINGS

## Patent Period Started From 26/12/2011 and Will end on 25/12/2031

(57) A new method to increase the efficiency of coatings by laser pretreatment of (base material). Cavity in the same form of the sample is prepared with thickness less than or equal to the thickness of the sample, with chamfered edges at an angle of 45?? Backlit is added, the sample mechanical smoothing is done by polishing and grinding at different degrees, exposing the sample to the laser beam by placing the sample in closed cylinder with variable diameters, it provides protection from scattered and reflected radiation during treatment, the sample is separated from Backlit .The process of coating is done, the final coated surface is more homogeneous with flat surface and dimension stability of the treated materials.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 17/05/2011

(21) 0771/2011

(44) December 2015

(45) |08/05/2016

(11) 27548

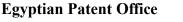
(51)	Int. Cl. 8 C04B 18/02, 28/02, 40/00, 18/16
(71)	1. LOGLEN KFT (HUNGARY) 2. 3.
(72)	1. ANTAL, Istvan 2. 3.
(73)	1. 2.
(30)	1. (HU) PO800701 - 19-11-2008 2. (PCT/HU2009/000093) - 10-11-2009 3.
(74)	MAHMOUD RAGAEY ELDEKY
(12)	Patent

# LIGHTWEIGHT CONCRETE CONTAINING AGGREGATES OF CEMENT-BONDED FOAMED POLYSTYRENE, PROCEDURE OF MAKING THE SAME AND BUILDING STRUCTURES MADE FROM THIS LIGHTWEIGHT CONCRETE

# Patent Period Started From 10/11/2009 and Will end on 09/11/2029

(57) The object of the present invention is a mortar for buildings that contains foamed polystyrene and cement. The mortar contains the foamed polystyrene and a part of the cement in the form of a ground material and it contains 50-200 kg of unbound, anhydrous cement for every 1 m3 of ground material, where the ground material includes granules of 0.5-10 mm and is made by grinding pressed foamed concrete that has been allowed to stand and contains foamed polystyrene. For the production of the mortar, the pressed foam concrete that has been allowed to stand and contains polystyrene foam is ground into granules no larger than 10 mm, cement is added, then water is added thereto upon application. Such mortar can be used to create various building structures that include a frame structure, a foam concrete panel affixed to the frame structure and mortar applied into the interspaces of the frame structure.

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**PCT** 

(22) 12/09/2013

(21) 1431/2013

(44) November 2015

(45) |08/05/2016

(11) 27549

(51)	Int. Cl. 8 H01R 13/453, 24/78, 27/02, 103/00
(71)	1. VIMAR S.P.A. (ITALY)
	<ul><li>2.</li><li>3.</li></ul>
(72)	1. TONELLO, Lorenzo
	<ol> <li>3.</li> </ol>
(73)	1.
(30)	2. 1. (IT) MI2012A001522- 14-09-2012 2. 3.
(74)	MAHMOUD RAGAAI ELDEKKI,
(12)	Patent

### (54)SAFETY DEVICE FOR ELECTRICAL SOCKET Patent Period Started From 12/09/2013 and Will end on 11/09/2033

Safety device for electrical sockets, designed to be interposed between a body for containing the electrical contacts of the socket and a cover having at least one pair of openings for access to said phase and neutral electrical contacts of the socket, said safety system comprising shutter elements pushed by elastic means normally to occlude said openings to prevent the access to said electrical contacts and which can be moved away from said openings when the pins of an electrical plug are inserted therein, but not when a foreign body is inserted in only one of said openings, wherein said shutters are separated one in relation to the other and are placed on an oscillating body able to oscillate around an axis X-X placed centrally to them when a thrust force is exerted on only one of these shutters through one of said openings of the cover, so as to avoid any displacement of said shutters from their position of occlusion of said openings.

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wetting the materials pile.



**PCT** 

(22) 20/07/2009

(21) 1108/2009

(44) December 2015

(45) 08/05/2016

(11) 27550

(51)	Int. Cl. <sup>8</sup> B02C 19/12, 19/00
(71)	1. INSTITUTE AGRICUL URAL RESEARCH (EGYPT) 2.
(72)	3. 1. MAGDY AHMED BAIOMY 2.
(73)	3. 1. 2.
(30)	1. 2. 3.
(74)	
(12)	UTILLY MODEL

# (54) WINDROW COMPOST TURNER FABRICATED WITH DOUBLE DRUMS.

# Patent Period Started From 20/07/2009 and Will end on 19/07/2016

(57) Windrow composting is the production of compost by piling organic matter or biodegradable wastes, like animal manure and crop residues, in long rows. This method is suited to produce large volumes of compost. These piles are generally turned to improve porosity, oxygen content, mix, control moisture, and redistribute cooler and hotter portions of the pile. The machine was modified, designed and fabricated from local materials at a private sector company The present research work was conducted at Gimaza research station, Gharbia Governorate in spring season of 2005 to test evaluate the machine performance. Turner drum was designed and modified to use double turner drums instead of one drum. It was modified to improve the materials particles size, porosity, aeration and mixing moisture as well as composting quality. Materials from three crop residues (cotton stalks, corn stalks and rice straw) and animal manure were collected after being cut to small sizes (the average from 5 to 50mm), That is to form windrow (3 m width, 1.7m height and 50 m length.). The machine was tested at four forward speeds and four drum rotational speeds. Temperature generated C 65 o and moisture content 60 % after

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**PCT** 

(22) 05/08/2012

(21) 1368 D1/2012

(44) December 2015

(45) 15/05/2016

(11) 27551

(51)	Int. Cl. 8 B01J 8/04, 19/24, 35/04 & C07C 29/152
(71)	1. DAVY PROCESS TECHNOLOGY LIMITED (UNITED KINGDOM) 2. 3.
(72)	1. GAMLIN. TIMOTHY DOUGLAS 2. 3.
(73)	1. 2.
(30)	1. (GB) 1107072.9 - 27-04-2011 2. (PCT/GB 2012/050330) 14-02-2012 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) PROCESS FOR THE SYNTHESIS OF METHANOL Patent Period Started From 14/02/2012 and Will end on 13/02/2032

A process for the conversion of synthesis gas to methanol by contacting a gaseous stream comprising synthesis gas with a particulate catalyst, said process being carried out in a tubular reactor having an inlet and an outlet, said outlet being located downstream of the inlet, said reactor comprising one or more tubes having located therein one or more carriers for said particulate catalyst and cooling medium in contact with said tubes; wherein said catalyst carrier comprises: an annular container for holding catalyst in use, said container having a perforated inner wall defining a tube, a perforated outer wall, a top surface closing the annular container and a bottom surface closing the annular container; a surface closing the bottom of said tube formed by the inner wall of the annular container; a skirt extending upwardly from the perforated outer wall of the annular container from a position at or near the bottom surface of said container to a position below the location of a seal; and a seal located at or near the top surface and extending from the container by a distance which extends beyond an outer surface of the skirt; said process comprising: (a) introducing the gaseous reactants through the inlet; (b) passing said reactants downwardly through said at least one tube to the upper surface of the, or the first catalyst carrier where they pass into the passage defined by the inner perforated wall of the container before passing racially through the catalyst bed towards the perforated outer wall; (c) allowing reaction to occur as the synthesis gas contacts the catalyst; (d) passing Uri reacted reactant and product out of the container though the perforated-outer wall and-then upwardly between the inner surface of the skirt and the outer wall of the annular container until they reach the seal where they are directed over the end of the skirt and caused to flow downwardly between the outer surface of the skirt and the inner surface of the reactor tube where heating.

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**PCT** 

(22) 07/10/2012

(21) 1711/2012

(44) June 2014

(45) 15/05/2016

(11) 27552

(51)	Int. Cl. 8 C01C 1/04 & C01B 3/02, 3/50, 3/52, 3/56
(71)	1. AMMONIA CASALE SA (SWITZERLAND) 2. 3.
(72)	<ol> <li>OSTUNI, Raffaele</li> <li>FILIPPI, Ermanno</li> <li>SKINNER, Geoffrey Frederick</li> </ol>
(73)	1. 2.
(30)	1. (EP) 10159190.7 - 07-04-2010 2. (PCT/EP2010/056753) - 17-05-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) HYDROGEN AND NITROGEN RECOVERY FROM AMMONIA PURGE GAS

## Patent Period Started From 17/05/2010 and Will end on 16/05/2030

(57) An ammonia plant is disclosed, where ammonia purge gas (20), is sent to a cryogenic recovery unit, said recovery unit comprising means of cooling (102, 202, 302, 402, 502) and a high-pressure phase separator (103, 203, 303, 403, 503) operating at loop pressure; inside said unit the purge gas (20) is cooled to a cryogenic temperature, and a partial liquefaction of methane and argon is achieved; the high-pressure phase separator separates the cooled stream into a gaseous stream and a bottom liquid; the gaseous stream is reheated in a passage of a heat exchanger; the unit is then capable to export a gaseous stream (123, 223, 323, 423, 523) containing nitrogen and hydrogen at loop pressure, that can be reintroduced at the suction side of the circulator (4) of the loop.

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# **Egyptian Patent Office**



**PCT** 

- (22) 20/01/2013
- (21) 0101/2013
- (44) December 2015
- (45) 15/05/2016
- (11) 27553

(51)	Int. Cl. <sup>8</sup> C04B 28/04, 38/08
(71)	<ol> <li>CEMEX RESEARCH GROUP AG (SWITZERLAND)</li> <li>SABLIER, GUILLAUME (FRANCE)</li> <li>3.</li> </ol>
(72)	<ol> <li>SABLIER, Guillaume</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (FR) 10/03056 - 21-07-2010 2. (PCT/FR2011/051763) - 21-07-2011 3.
(74)	SMAS INTELLECTUAL PROPERTY
(12)	Patent

# USE OF CELLULAR CONCRETE AGGREGATES AND MANUFACTURING PROCESS

# Patent Period Started From 21/07/2011 and Will end on 20/07/2031

(57) The invention relates to the use of cellular concrete aggregates sized between 2 and 25 mm and having a bulk density in the dry state of between 200 and 600 kg/m3 enabling their agglomeration by a binder for the manufacture of lightweight and insulating concrete or for the manufacture of slabs, screeds, formwork walls or prefabricated parts. It also relates to a process for manufacturing cellular concrete aggregates of at least 2 mm.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology **Egyptian Patent Office** 



**PCT** 

(22) 31/10/2011

(21) 1847/2011

(44) December 2015

(45) 19/05/2016

(51)	Int. Cl. 8 A61L 2/08
(71)	1. HUSSEIN SULTAN SHAHATAH (EGYPT) 2. 3.
(72)	1. HUSSEIN SULTAN SHAHATAH 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	UTILLY MODEL

(54)	A DISINFECTION FORK FOR SEWAGE POOLS
	Patent Period Started From 31/10/2011 and Will end on30/10/2018

(57) The present invention relates to a novel fork for disinfecting sewage pools, particularly in poor crowded areas with narrow streets. The fork consists of two moving jaws resembling the jaws of sharks. The said jaws are connected with a wire fixed by a steel arm at the end of a solid pouch whose length ranges from 3 to 6 meters, as illustrated in Figure. The operator presses the arm at the end of the pouch so that the jaws are closed tightly on the solid body. Afterwards, the operator draws the pouch out of the sewage pool and cleans the fork .So that the swimming pool completely cleaned without the need to any body to sink in the pool facing danger to clean the pool.

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<b>Ministry of State for Scientific Research</b>
Academy of Scientific Research & Technology
Egyptian Patent Office



PCT

(22) 28/07/2011

(21) 1273/2011

(44) January 2016 (45) 23/05/2016

(51)	Int. Cl. <sup>8</sup> E21B 43/11
(71)	1. IBRAHIM ABUL-HAMD ABDEL AZIZ ABDEL HAMID (EGYPT) 2. 3.
(72)	1. IBRAHIM ABUL-HAMD ABDEL AZIZ ABDEL HAMID 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

#### **(54)** NEW IDEA FOR RE-ENTRY OIL AND GAS WELLS SAFELY AND LESS COST

# Patent Period Started From 28/07/2011 and Will end on 27/07/2031

(57) The current technique for wells reentry is using the milling procedures technology. Two milling methods exist currently to start a sidetrack from an existing wellbore. The first method is window milling using a Whipstock to cut a window through casing and the second method is the section milling by cutting a complete section of casing. Both milling methods are risky, costly, and less reliability. The aim of the innovation is to achieve well reentry without implementing the current milling methods. The innovation strategy is to use the Laser technology in cutting/opening the required window at the desired depth for re-entry.

# **Arab Republic of Egypt** Ministry of State for Scientific Research Academy of Scientific Research & Technology **Egyptian Patent Office**



(22) 06/06/2001

(21) 0609/2001

(44) December 2015

(45) 23/05/2016

(51)	Int. Cl. 8 A61K 39/00 & C07K 16/00	
(71)	1. CELLTECH CHIROSCIENCE LIMITED (UNITED KINGDOM) 2. 3.	
(72)	<ol> <li>ATHWAL, Diljeet, Singh</li> <li>BROWN, Derek, Thomas</li> <li>WEIR, Andrew, Neil, Charles</li> </ol>	<ul><li>4. POPPLEWELL, Andrew, George</li><li>5. CHAPMAN, Andrew, Paul</li><li>6. KING, David, John;</li></ul>
(73)	1. UCB PHARMA, S.A. (BELGIUM) 2.	
(30)	1. (GB) 0013810.7 – 06-06-2000 2. (PCT/GB2001/02477) –05-06-2001 3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	) Patent	

# (54) ANTIBODY MOLECULES HAVING SPECIFICITY FOR HUMAN NECROSIS FACTOR ALPHA AND USE THEREOF

# Patent Period Started From 05/06/2001 and Will end on 04/06/2021

form a mouse monoclonal antibody having specitcity for human TNF<sub>a</sub> there is also disclosed a CDR grated antibody wherein at least one of the CDR<sub>s</sub> is a hybrid CDR further disclosed are dna sequence encoding the chains of the antibody molecules vectors transformed host cells and uses of the antibody molecules in the treatment of diseases mediated by TNF<sub>a</sub>.

# Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



PCT

(22) | 14/08/2011 (21) | 1360/2011

(44) January 2016

(45) 25/05/2016

(51)	Int. Cl. <sup>8</sup> A23K 1/00, 1/06
(71)	<ol> <li>ANIMAL PRODUCTION RESEARCH INSTITUTE, AGRICULTURAL RESEARCH</li> <li>CENTER, (EGYPT)</li> <li>3.</li> </ol>
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(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

# (54) ADD A NATURAL BACKDROP FOR IMPROVING FERTILITY AND HATCHABILITY IN POULTRY

# Patent Period Started From 14/08/2011 and Will end on 13/08/2031

(57) The present invention relates to adding a natural forage to improve fertility and hatchability in poultry containing sodium sulfate anhydrous in addition to the antioxidant whether it dissolves in fat, such as dye consciences or antioxidant amino acid such as tyrosine, or both, for the purpose of improving the fertility performance and hatching, especially in the age of the big chicken.

# Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

- (22) 28/06/2012
- (21) 0561/2012
- (44) **January 2016**
- (45) 30/05/2016
- (11) 27558

(51)	Int. Cl. <sup>8</sup> C09D 5/14
(71)	1. MATEO HERRERO, María Pilar (SPAIN) 2.
	3.
(72)	1. MATEO HERRERO, María Pilar
, ,	2.
	3.
(73)	1.
` ,	2.
(30)	1. (PCT/ES2009/070439) – 15-10-2009
, ,	2.
	3.
(74)	ABD ELHADI OFFICE
(12)	Patent

# (54) INSECTICIDE AND ACARICIDE PAINTS THAT INHIBIT CHITIN SYNTHESIS, REGULATE INSECT JUVENILE HORMONE AND REPEL ARTHROPODS, FOR CONTROLLING ENDEMIC DISEASES, PESTS AND ALLERGENS

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

The present invention relates to insecticide and acaricide paints that inhibit chitin synthesis, regulate insect juvenile hormone and repel arthropods, for controlling endemic diseases, pests and allergens, characterized in that said paints comprise at least the following compounds (in any combination), namely: 1% - 100% water, 0.0001% - 20% insecticides, 0.0001% - 20% chitin inhibitor, 0.0001% - 20% juvenile hormone regulator, 1% - 50% polymers, 0% - 40% pigments, 0% - 60% fillers, 0% - 60% natural repellents, and 0.01% - 20% stabilizers. This is a novel, improved and enhanced formula for controlling all types of arthropods (insects, mites), both chemically, as the formulation incorporates synthetic insecticides, and biologically, owing to the incorporation of insect-growth regulators. Furthermore, an active ingredient is incorporated in the form of a natural arthropod repellent which keeps said anthropods at a distance from those places where the paint is applied. The composition of the paints allows the active ingredients to be encapsulated in an aqueous polymer with or without the incorporation of fillers and pigments, and therefore the range of use thereof is increased.

# Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



PCT

- (22) 25/12/2012
- (21) 2128/2012
- (44) December 2015
- (45) 30/05/2016
- (11) 27559

(51)	Int. Cl. <sup>8</sup> F04D 29/30, 17/04
(71)	<ol> <li>SHARP KABUSHIKI KAISHA (JAPAN)</li> <li>3.</li> </ol>
(72)	<ol> <li>SHIRAICHI, Yukishige</li> <li>OHTSUKA, Masaki</li> <li>TAKAHASHI, Masaya</li> </ol>
(73)	1. 2.
(30)	1. (JP)2010-146055 - 28-06-2010 2. (PCT/JP2011/061986) - 25-05-2011 3.
(74)	SONIA F. FARAG
(12)	Patent

# (54) FAN, MOLD FOR MOLDING, AND FLUID FEEDING DEVICE

# Patent Period Started From 25/05/2011 and Will end on 24/05/2031

(57) Provided is a cross-flow fan having fan blades provided at intervals in the circumferential direction. The fan blades each have an inner edge section which is disposed on the inner peripheral side and an outer edge section which is disposed on the outer peripheral side. The fan blades each comprises a blade surface composed of a positive-pressure surface and a negative-pressure surface which extend between the inner edge section and the outer edge section. The cross-section of each of the fan blades is shaped in such a manner that the thick section of the fan blade, said thick section being that at which the distance between the positive-pressure surface and the negative-pressure surface is maximum, is disposed offset to the inner edge section. A recessed section recessed from the blade surface is formed at a position closer to the inner edge section, at which the thick section is disposed, than the outer edge section. The configuration provides the fan with high air blowing performance. Also provided are a molding mold and a fluid feeding device.

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# GRANTED PATENTS' ABSTRACTS GAZETTE "PATENT ISSUED JUNE IN 2016"

Egyptian Patent Office

Issue No 241 JULY 2016

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( PATENT No. 27601)	(43)
( PATENT No. 27602)	(44)

# **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	30
Priority Country	
Issuance Date	45
International Patent Classification	51
Title	54
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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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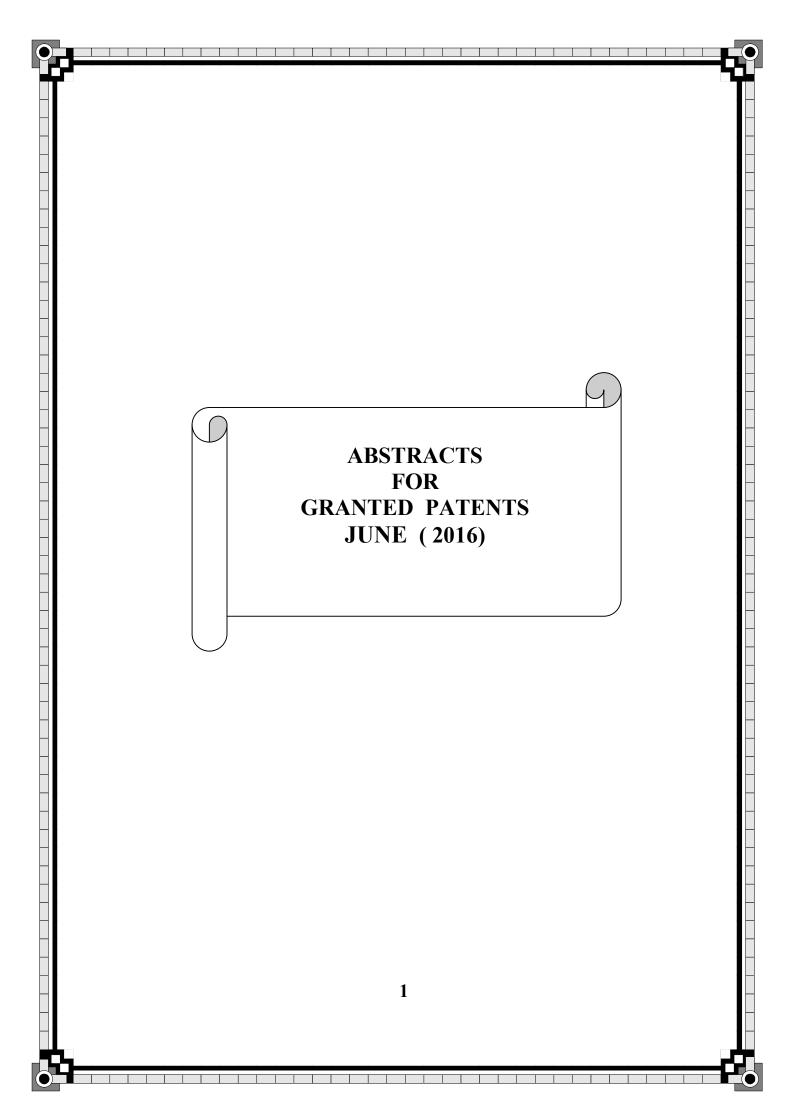
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ZM	Zambia
ZR	Zaire
ZW	Zimbabwe



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**PCT** 

(22) 31/07/2011

(21) 1275/2011

(44) November 2016

(45) 05/06/2016

(11) 27560

(51)	Int. Cl. <sup>8</sup> F25J 1/02
(71)	1. LINDE AKTIENGESELLSCHAFT (GERMANY) 2. 3.
(72)	1. BAUER, HEINZ 2. SAPPER, RAINER 3. GARTHE, DANIEL
(73)	1. 2.
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(74)	ABD ELHADI OFFICE
(12)	Patent

#### METHOD FOR LIQUEFYING A HYDROCARBON-RICH (54)**STREAM**

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

(57) A method for liquefying a hydrocarbon-rich fraction and simultaneously separating a C2+-rich fraction is described. In said method, the hydrocarbon-rich fraction is cooled and liquefied by indirectly exchanging heat with the coolant mixture of a coolant mixture cycle in which the coolant mixture is condensed in at least two stages, and the C2+-rich fraction is separated at an adjustable temperature level, wherein the coolant mixture is separated into a gaseous and a liquid fraction, and both fractions are supercooled, are expanded essentially to the initial pressure of the first condenser stage, and are at least partially evaporated. According to the invention, at least a partial stream of the liquefied, previously gaseous fraction of the coolant mixture is at least temporarily expanded, and admixed to the expanded liquid fraction of the coolant mixture.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 17/05/2012

17/03/201

(21) |894/2012

(44) November 2016

(45) 06/06/2016

(11) 27561

(51)	Int. Cl. <sup>8</sup> C03B 13/08
(71)	1. FIVES STEIN (FRANCE) 2. 3.
(72)	1. KUHN, Wolf Stefan 2. PAHMER, FranCois 3.
(73)	1. 2.
(30)	1. (FR) 09/05554 - 19-11-2009 2. (PCT/IB2010/054977) - 03-11-2010 3.
(74)	MOHAMED MOHAMED BAKEER
(12)	Patent

# (54) METHOD FOR CONTINUOUS PRINTING OF PRECISION STRUCTURES ON A GLASS RIBBON, AND GLASS RIBBON THUS OBTAINED

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

(57) The invention relates to a method for printing a precision structure on the surface of a glass ribbon continuously travelling at a speed of at least 1 m/min, using an engraving roller applying a printing force on the surface to be engraved, the structure to be formed comprising projecting and hollow areas with bend radii, prior heat treatment being performed upstream from the engraving roller; the heat treatment being carried out in order to ensure a temperature of the ribbon on the printing layer and cooling downstream from the engraving roller to ensure controlled solidification of the structure; the method according to the invention being suitable for determining closely linked parameters in order to obtain a specific structure, in particular the printing temperature, the printing force and the cooling rate, taking into account a degree of creeping between the moulding radius and the radius after creeping.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 05/01/2012

(21) 29/2012

(44) | February 2016

(45) 06/06/2016

(11) 27562

(51)	Int. Cl. 8 F03B 13/18
(71)	1. MAHMOUD ALSAADI MOHAMMED SALEH (EGGYPT) 2.
	3.
(72)	1. MAHMOUD ALSAADI MOHAMMED SALEH
( - )	2.
	3.
(73)	1.
( - )	2.
(30)	1.
( )	2.
	3.
(74)	
(12)	Patent

# (54) GENERATING ELECTRICAL ENERGY FROM SEA WAVES AND THE MOVEMENT OF TRAFFIC OF CARS ON THE ROADS

# Patent Period Started From 05/01/2012 and Will end on 04/01/2032

- (57) 1-A main turning pier with a fly wheel (thrower) at its end .on which a group of gears working by interjunction are mounted.
  - 2- Every gear has a chain mounted on it, which one of its ends is attached to a pump full of air and the second end is attached to a spring.
  - 3- Hoses linking the pumps attached to the chains with others inside the sea.
  - (B) inside the sea:
  - 1- Buoys, each one is attached to a horizontal pier at one end, but the other end is articularly attached on a vertical pier attached to the sea bed.
  - 2-The pump in the end of the hose is attached at the meeting point of the two piers at the articular point.
  - 3- When the buoy is moved by waves, the pump is pressed on so air will move to the other pump that attracts the chain and turning starts.
  - © the movement is done by the mutual air between every two pumps whose amount is fixed

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

# (22) 03/11/2011

- (21) | 1886/2011
- (44) February 2016
- (45) 07/06/2016
- (11) 27563

(51)	Int. Cl. 8 C01F 7/34& C01G 1/02, 23/04, 39/02, 53/04, 51/04
(71)	1. EGYPTIAN PETROLEUM RESEACHER INSTITUTE (EGYPT) 2. 3.
(72)	1. MOHSEN SHEHATA MOSTAFA MOHAMED 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

# (54) AMETHOD FOR PREPARATION OF NANO STRUCTURED OXIDES OF SOME ELEMENTS FROM THEIR IONIC SUPER SATURATED SOLUTIONS

# Patent Period Started From 03/11/2011 and Will end on 02/11/2031

(57) The current patent is related to a method for preparation of nano structured oxides of some elements from their ionic super saturated solutions, as example of the prepared oxides, aluminum, titanium, aluminum—titanium, nickel, cobalt, molybdenum oxides as well as titania nanotubes, that from the supersaturated solution of the element ions to be precipitated in which the non dissolved part of the element ions in the solution reaches 40-90% of water volume used as a solvent, the preparation occurs at room temperature and without any templating or directing agent with the ability to do not filtrate the precipitate due to its density and the little water present in it.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 17/12/2013

(21) 1930 D1/2013

(44) February 2016

(45) 07/06/2016

(11) 27564

(51)	Int. Cl. 8 C08L91/06 & B22C3/00	
(71)	1. EGYPTIAN PETROLEUM RESEARCH INSTITUTE 2. 3.	
(72)	<ol> <li>AHMED MOHAMED AHMED EL-SABA</li> <li>REEM KAMAL KAMEL FARAG</li> <li>NERMEN EL-SAYED MYSOUR</li> </ol>	4. NERMEN HEFIENY MOHAMED 5. SHIMAA MOHAMED EL-SAYED
(73)	1. 2.	
(30)	1. 2. 3.	
(74)		
(12)	Patent	

# (54) METHOD OF PREPARATION OF PETROLEUM PRESERVATIVE CORE DURING DRILING PROCESS

## Patent Period Started From 17/12/2013 and Will end on 16/12/2033

The invention relates to method of preparing a petroleum preservative core which is output from drilling operations by mixing petroleum waxes derived from waste lubricating oil industry at different ratios with different such polypropylene, high-density and polymers as polyethylene, polyvinyl chloride, polyvinyl acetate, polyethylene-co-vinyl acetate. The mixing process was done by the addition of the polymer to wax at different temperatures ranging from 140 to 220°c with a mechanical stirring with a rotation speed of (500 rpm - 1500 rpm). The thermal stability and the crystallinity were studied for the prepared blends. The obtained data cleared that, the polymer- wax blends are tran parent and the melting points limit from 70 to 150°c, which can be used as a pel oleum preservative core

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 11/04/2012

(21) 0683/2012

(44) | February 2016

(45) 08/06/2016

(11) 27565

(51)	Int. Cl. <sup>8</sup> A01B 49/04 & E02F 3/76
(71)	1. SCIENCE & TECHNOLOGY DEVELOPMENT FUND (EGYPT) 2.
	3.
(72)	1. HASSAN ABDEL RAZEK ABDEL MAWLA
( )	2.
	3.
(73)	1.
(10)	2.
(30)	1.
( )	2.
	3.
(74)	MARWA ABDEL MAJID MAHM
(12)	Patent

#### (54)TRACTOR FRONT MOUNTED ARTICULATED LOADER FOR MECHANICAL LOADING OF SUGARCANE

## Patent Period Started From 11/04/2012 and Will end on 10/04/2032

A tractor front end mounted easy removable articulated sugarcane loader excavator combination hydraulically actuated was fabricated. The tractor-mounted-loader includes two bases with supports assembly on which a boom assembly is mounted. The sugarcane grab assembly mounted to the front end of the boom assembly. The loader includes three main components. The first is two similar bases bolted to both sides of the tractor chassis. The second is the articulated loader boom assembly that includes two links rear link and front link. The rear end of the rear link (formed as dual arm) mounted to the two previously mentioned bases and its fronl end (formed as single arm) connected with a pin to the front link of the boom assembly. The front end of the front link of the boom assembly connected to the sugarcane grab or the soil working tool. The third component of the loader is the sugarcane grab assembly that consists of two articulated forks. Two hydraulic cylinders are connected on both sides of the single end of the rear link of the boom and connected to the front end of the front boom link. When the sugarcane grab or the soil working tool is loaded, the operator can flex the boom while maneuvering to reduce the risk of the tractor overturn. The sugarcane grab is connected in a manner that the lower face of front tip of the lower fork touches the slide on the soil surface to eliminate soil penetration.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

- (22) 26/05/2013
- (21) 0899/2013
- (44) December 2015
- (45) 08/06/2016
- (11) 27566

(51)	Int. Cl. <sup>8</sup> G01V 1/38	
(71)	1. PGS GEOPHYSICAL AS (NORWAY) 2. 3.	
(72)	<ol> <li>WIDMAIER, Martin</li> <li>SÖLLNER, Walter</li> <li>HEGNA, Stian</li> </ol>	4. BISHOP, Steve
(73)	1. 2.	
(30)	1. (US) 13/485,552 - 13-05-2012 2. 3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

## **(54)** SEISMIC SURVEYING TECHNIQUES WITH ILLUMINATION AREAS IDENTIFIABLE FROM PRIMARY AND HIGHER-ORDER **REFLECTIONS**

# Patent Period Started From 26/05/2013 and Will end on 25/05/2033

(57) Techniques are disclosed relating to determining or executing a survey pattern for a marine seismic survey vessel. The survey pattern may be determined based on a determined subsurface illumination area. The subsurface illumination area may be identifiable from primary reflections and higher-order reflections detected by sensors disposed in a sensor streamer configuration that may be towed behind the survey vessel. The sensor streamer configuration may include a plurality of streamers.

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PCT

- (22) 20/01/2013
- (21) 106/2013
- (44) July 2015
- (45) 12/06/2016
- (11) 27567

(51)	Int. Cl. <sup>8</sup> B22F 1/00, B82B 1/00
(71)	1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA) 2.
	<b>3.</b>
(72)	1. XU, Zhiyue
	2. CHAKRABORTY, Soma
	3. AGRAWAL, Gaurav
(73)	1.
,	2.
(30)	1. (US) 12/847,594 - 30-07-2010
	2. (PCT/US2011/043036) – 06-07-2011
	3.
(74)	NAHED WADIH RIZK
(12)	Patent

# (54) NANOMATRIX METAL COMPOSITE Patent Period Started From 06/07/2011 and Will end on 05/07/2031

(57) A powder metal composite is disclosed. The powder metal composite includes a substantially-continuous, cellular nanomatrix comprising a nanomatrix material. The composite also includes a plurality of dispersed first particles each comprising a first particle core material that comprises Mg, A1, Zn or Mn, or a combination thereof, dispersed in the nanomatrix; a plurality of dispersed second particles intermixed with the dispersed first particles, each comprising a second particle core material that comprises a carbon nanoparticle; and a solid-state bond layer extending throughout the nanomatrix between the dispersed first and second particles. The nanomatrix powder metal composites are uniquely lightweight, high-strength materials that also provide uniquely selectable and controllable corrosion properties, including very rapid corrosion rates, useful for making a wide variety of degradable or disposable articles, including various downhole tools and components.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 27/10/2013

(21) 1653/2013

(44) December 2015

(45) 12/06/2016

(11) 27568

(51)	Int. Cl. 8 G01N 30/12, 30/88, 33/28, 33/24
(71)	1. SGS NORTH AMERICA INC. (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>KRIEL, Wayne A.</li> <li>MULLINGS, Graham M.</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (US) 61/480,017 - 28-04-2011 2. (US) 13/455,688 - 25-04-2012 3. (PCT/US2012/035445) - 27-04-2012
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) ANALYSIS OF PRESSURIZED RESERVOIR FLUIDS Patent Period Started From 27/04/2012 and Will end on 26/04/2032

(57) A self-contained analysis system operable to assess gas to oil ratio (GOR), shrinkage of reservoir fluid, and composition of pressurized reservoir fluids. The analysis system can be used for extended compositional analysis of rich flashed gas and lean gas samples as well as flashed equilibrium liquids, condensates, and black oils. Analysis of the various samples is achieved without cross contamination, for example, between rich flashed gases and lean gases or between extended natural gas and liquids (e.g., black oils and condensates). The system yields accurate results up to and including C20 for gas samples and up to and including C36+ for liquid samples, and entrained water.

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**PCT** 

(22) 19/03/2013

(21) |442/2013

(44) January 2016

(45) 14/06/2016

(11) 27569

(51)	Int. Cl. 8 A43B, 13/16,13/18 & B29D 35/00, 35/12
(71)	1. AL.PI. S.R.L (ITALY) 2. 3.
(72)	<ol> <li>BIANCUCCI, Demetrio</li> <li>BRASCA, Alfredo</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (IT) AN2010A000193 - 04-11-2010 2. (PCT/EP2011/002285) - 09-05-2011 3.
(74)	MAGDA HAROUN
(12)	Patent

#### (54)SOLE FOR SHOES HAVING ONE OR MORE VERTICAL ELEMENTS FOLDED OVER EACH OTHER, EXTENSIBLE AND ADAPTABLE TO THE DIFFERENT WIDTH OF THE ASSEMBLY LAST OF THE UPPER AND TO THE VARIATION OF THE CONFORMATION OF THE FOOT, EVEN PERMANENTLY

#### Patent Period Started From 09/05/2011 and Will end on 08/05/2031

The present invention regards the shoe industry and more specifically it concerns a sole provided in a single moulding made of non-rigid but elastic material having one or more vertical elements folded over each other in such a manner that the horizontal extension thereof mechanically adapts the width of the sole to the different width of the assembly lasts of the upper of a shoe and also allowing adapting the width of the sole to the variation of the conformation of the feet generated by the daily swellings thereof leaving the normal flexibility and comfort of the shoe unaltered with the possibility for the user to stabilize the width of the sole to the possible deformation of the foot by injecting - from outside into the widened internal cavity - a foamed two-component fluid material which, upon solidification within a few minutes, blocks any widened part of the sole to the conformation or to the deformation of the feet of the user.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 12/05/2013

(21) 0800/2013

(44) January 2016

(45) 14/06/2016

(11) | 27570

(51)	Int. Cl. <sup>8</sup> D04B 9/10
(71)	1. LONATI S.P.A. (ITALY)
	2.
	3.
(72)	1. LONATI, Ettore
( )	2. LONATI, Tiberio
	3. LONATI, Fausto
(73)	1.
,	2.
(30)	1. (IT) MI2010A002227 - 02-12-2010
( )	2. (PCT/EP2011/066530) -22/09/2011
	3.
(74)	MAGDA HAROUN
(12)	Patent

### DOUBLE-CYLINDER CIRCULAR MACHINE, PARTICULARLY FOR KNITTING HOSIERY ITEMS OR THE LIKE, WITH SIMPLIFIED ACTUATION MECHANISM

#### Patent Period Started From 22/09/2011 and Will end on 21/09/2031

(57) A double-cylinder circular machine, particularly for knitting hosiery items or the like, with simplified actuation mechanism, comprising a supporting structure which comprises a footing, which supports, rotatably about its vertically oriented axis, a lower needle cylinder, and a column which extends substantially vertically, protrudes upwardly from the footing and supports, rotatably about its own axis, an upper needle cylinder, which is arranged above and coaxially with respect to the lower needle cylinder, the machine further comprising means for the actuation of the lower needle cylinder and of the upper needle cylinder with a rotary motion about the common axis, the actuation means comprising an electric motor which is connected kinematically to the lower needle cylinder and to the upper needle cylinder and is accommodated inside the column.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

#### **Egyptian Patent Office**



**PCT** 

(22) 10/10/2012

(21) 1736/2012

(44) December 2015

(45) 14/06/2016

(11) 27571

(51)	Int. Cl. <sup>8</sup> C08L 23/06 & B29C 49/00
(71)	1. OMYA INTERNATIONAL AG (SWITZERLAND) 2. 3.
(72)	<ol> <li>HERSCHE, Emil</li> <li>BURKHALTER, Rene</li> <li>.</li> </ol>
(73)	1. 2.
(30)	1. (EP) 10159648.4 - 12-04-2010 2. (US) 61/342,748 - 19-04-2010 3. (PCT/EP2011/055646) - 11-04-2011
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) COMPOSITION FOR BLOW MOLDING Patent Period Started From 11/04/2011 and Will end on 10/04/2031

(57) The present invention relates to a composition, comprising (i) a polypropylene having a melt flow index MFI (23<sup>0</sup>0C, 2.16 kg) of less than 2.0 g/10 min, a flexural modulus of from 1200 to 2400 MPa, a density of from 0.895 to 0.910 g/cm3, (ii) a high-density polyethylene, and (iii) an inorganic filler.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

(22) 30/05/2013

(21) 0934/2013

(44) February 2016

(45) 14/06/2016

(11) 27572

(51)	Int. Cl. <sup>8</sup> G06F 15/00	
(71)	1. LANDMARK GRAPHICS CORPORATION 2. 3.	ON (UNITED STATES OF AMERICA)
(72)	<ol> <li>GARCIA, Alejandro</li> <li>REBESCHINI, Jordani</li> <li>SOUSA, Sergio Henrique, Guerra De</li> <li>MIJARES, Gerardo</li> </ol>	<ul><li>5. RODRIGUEZ, Jose, Antonio</li><li>6. SAPUTELLI, Luigi, Alfonso</li><li>7. JOHNSON, William, Douglas</li></ul>
(73)	1. 2.	
(30)	1. (PCT/US2010/058441) – 03-11-2010 2. 3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

# (54) SYSTEMS AND METHODS FOR REDUCING RESERVOIR SIMULATOR MODEL RUN TIME Patent Period Started From 30/11/2010 and Will end on 29/11/2030

(57) Systems and methods for reducing run time for a reservoir simulator model using a proxy model based on a neural network.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 08/08/2010

(21) | 1331/2010

(44) February 2016

(45) 15/06/2016

(11) 27573

(51)	Int. Cl. <sup>8</sup> C08G 18/00, 175/00 & C09D 11/02, 11/101
(71)	1. NATIONAL RESEARCH CENTER (EGYPT) 2.
	3.
(72)	1. Mohamed Mabrouk Mohamed El-Molla
, ,	2. Karima Mohamed Moner Haggag
	3. Fatima Nady Thai Saied
(73)	1.
` /	2.
(30)	1.
, ,	2.
	3.
(74)	
(12)	Patent

### (54) SYNTHESIS OF NEW BINDERS IN NANO SIZE AND IN SOLID STATE

#### Patent Period Started From 08/08/2010 and Will end on 07/08/2017

(57) Pigment printing has much of the most important methods of printing, although it has some problems associated with it, such as relatively high temperature cure, formaldehyde emission, stiff hand, and clogging on screen during the actual printing process, These problems are due to binding materials (binders) involved in the preparation of the printing paste, and responsible for the fixation of color on the surface of the cloth. So synthesized of new binders in the size of nano-materials, dissolve in water and in a solid form, of polyurethane acrylate based on the basis of polyethylene glycol with different molecule weight, a mixture of polyol (1 mole), dissocyanate compounds (4 mole) and these binders characterized to overcome all of these problems.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) |24/01/2007

(21) 0035/2007

(44) February 2016

(45) 15/06/2016

(11) 27574

(51)	Int. Cl. <sup>8</sup> A61K 31/568 & C07J 71/00
(71)	1. NATIONAL RESEARCH CENTER (EGYPT) 2. 3.
(72)	<ol> <li>Gamal A. Elmegeed</li> <li>Wagdy Khalil Bassaly Khalil</li> <li>Aida Ibrahim El Saeid Elmekawy</li> </ol>
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

# (54) AN ANDROGENIC DRUG SAFER THAN TESTOSTERONE Patent Period Started From 24/01/2007 and Will end on 23/01/2027

(57) The current invention is related to an androgenic drug which has proved the ability to decrease chromosomatic abrormalities and imbalances in the sperm and also it increases their number and vitality. This study shows that the new drug is more effective then testosterone and has no genetically harmful effect.

**Ministry of State for Scientific Research** Academy of Scientific Research & Technology





**PCT** 

(22) 27/11/2011

(21) 1994/2011

(44) February 2016

(45) 16/06/2016

(11) 27575

(51)	Int. Cl. 8 C10G (21/27, 25/00, 21/28) & C07C 211/00 & C07D 233/00
(71)	1. THE QUEEN'S UNIVERSITY OF BELFAST (UNITED KINGDOM)
, ,	2.
	3.
(72)	1. HARDACRE, Chris
	2. GOODRICH, Peter
	3. ANDERSON, Kris
(73)	1.
( - )	2.
(30)	1. (GB) 0908986.3 -26-05-2009
( )	2. (PCT/GB2010/050548) – 30-03-2010
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

#### **(54)** PROCESS FOR REMOVING ORGANIC ACIDS FROM CRUDE OIL AND CRUDE OIL DISTILLATES

#### Patent Period Started From 30/03/2010 and Will end on 29/03/2030

The present invention relates to a process for the removal of organic acids, particularly naphthenic acids, from crude oils and crude oil distillates by use of a supported basic ionic liquid in a mass ratio of crude oil and/or crude oil distillate and ionic liquid of from greater than 40:1, the basic ionic liquid comprises a basic anion selected from serinate, prolinate, histidinate, threoninate, valinate, asparaginate, taurinate and lysinate.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

### **Egyptian Patent Office**



**PCT** 

(22) 21/04/2013

(21) 673/2013

(44) February 2016

(45) 16/06/2016

(11) 27576

(51)	Int. Cl. 8 B01J 8/04 & C07C 31/04 29/152
(71)	1. METHANOL CASALE SA (SWITZERLAND) 2.
(72)	1. LAURENZI, Fabio 2. 3.
(73)	1. 2.
(30)	1. (GB) 10188537.4 - 22-10-2010 2. (PCT/EP2011/063490) - 04-08-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### PROCESS AND PLANT FOR THE PRODUCTION OF METHANOL WITH ISOTHERMAL CATALYTIC BEDS

#### Patent Period Started From 04/08/2011 and Will end on 03/08/2031

(57) A process for the synthesis of methanol, comprising the steps of reforming a hydrocarbon source obtaining a make-up gas feed, feeding said make up gas to a synthesis loop, converting said make up gas to methanol in a substantially isothermal catalytic environment, wherein said catalytic environment comprises a plurality of isothermal catalytic beds preferably arranged in series, and at least a portion of make-up gas is mixed with recycle gas from the loop, obtaining a gaseous mixture of fresh gas and recycle gas, and at least a portion of said gaseous mixture is directed between two consecutive catalytic beds acting as a quench gas. A related plant is also disclosed.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

(22) 25/12/2012

(21) 2129/2012

(44) January 2016

(45) 16/06/2016

(11) 27577

(51)	Int. Cl. 8 F23D 14/82, 14/67, 14/06
(71)	1. SABAF S.P.A. (ITALY) 2. 3.
(72)	1. BETTINZOLI, Angelo 2. 3.
(73)	1. 2.
(30)	1. (PCT/IT2010/000292) – 30-06-2010 2. 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) GAS BURNER Patent Period Started From 30/06/2010 and Will end on 29/06/2030

one fuel gas injector and at least one corresponding Venturi effect mixer, wherein the above-mentioned injector faces the intake section of said Venturi effect mixer, and one or more passages for the transit of primary air from above the supporting surface, to which the burner is fixed, to the intake section of the Venturi effect mixer. The burner is also provided with means for preventing flame propagation, of the fluid flow splitting type, which comprise at least one substantially tubular body, with relative lateral walls extending at least between the injector and the intake section of the Venturi effect mixer, advantageously consisting of at least one helically wound filiform element.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 19/06/2012

(21) 1141/2012

(44) January 2016

(45) 16/06/2016

(11) 27578

(51)	Int. Cl. <sup>8</sup> B41F 9/02, 13/00
(71)	1. KBA-NOTASYS SA (SWITZERLAND) 2. 3.
(72)	<ol> <li>SCHAEDE, Johannes, Georg</li> <li>SCHWITZKY, Volkmar, Rolf</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (EP) 09180318.9 - 22-12-2009 2. (PCT/IB2010/055943) - 20-12-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) INTAGLIO PRINTING PRESS WITH MOBILE CARRIAGE SUPPORTING INK-COLLECTING CYLINDER

#### Patent Period Started From 20/12/2010 and Will end on 19/12/2030

There is described an intaglio printing press comprising a stationary machine frame supporting an intaglio printing cylinder and an impression cylinder contacting the intaglio printing cylinder, an inking system for inking the intaglio printing cylinder, which inking system comprises an ink-collecting cylinder designed to contact the intaglio printing cylinder and at least one inking device for supplying ink to said ink-collecting cylinder, and at least a first mobile carriage supporting the ink-collecting cylinder, which first mobile carriage is adapted to be moved with respect to the stationary machine frame between a working position where the inkcollecting cylinder contacts the intaglio printing cylinder and a retracted position where the ink-collecting cylinder is retracted away from the intaglio printing cylinder. The axis of rotation of the ink-collecting cylinder lies below a horizontal plane intersecting the axis of rotation of the intaglio printing cylinder and a plane intersecting the axis of rotation of the ink- collecting cylinder and the axis of rotation of the intaglio printing cylinder forms, in the working position of the first mobile carriage, an acute angle with respect to the horizontal plane.

Ministry of State for Scientific Research Academy of Scientific Research & Technology





**PCT** 

- (22) 25/06/2013
- (21) 1101/2013
- (44) January 2016
- (45) 16/06/2016
- (11) 27579

(51)	Int. Cl. <sup>8</sup> C01B 3/06, 17/50
(71)	1. TOYOTA JIDOSHA KABUSHIKI KAISHA (JAPAN) 2. 3.
(72)	<ol> <li>TAKESHIMA, Shinichi</li> <li>NAKAMURA, Norihiko</li> <li>.</li> </ol>
(73)	1. 2.
(30)	1. (JP) 2010-294085 - 28-12-2010 2. (PCT/JP2011/078845) - 07-12-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) HYDROGEN PRODUCTION PROCESS Patent Period Started From 07/12/2011 and Will end on 06/12/2031

(57) A method for producing hydrogen from water is provided. The hydrogen production process of the present invention comprises splitting water into hydrogen and oxygen, wherein the process of the present invention comprises decomposing sulfuric acid into water, sulfur dioxide and oxygen through a reaction represented by the following formula (X1) by using solar thermal energy, wherein at least a part of the elementary reaction of the following formula (X1-1) is performed using thermal solar energy, and at least a part of the elementary reaction of the following formula (X1-2) is performed using additional thermal energy other than solar thermal energy, and wherein the heating temperature by the additional thermal energy is higher by 10°C or more than the heating temperature by the solar thermal energy, and at least a part of the additional thermal energy is generated in a reaction vessel: (X1) H2SO4 H2O + SO2 + 1/2O2, (X1-1) H2SO4 H2O + SO3, and (X1-2) SO3 SO2 + 1/2O2.

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**Egyptian Patent Office** 



**PCT** 

(22) 11/04/2013

(21) 0616/2013

(44) February 2016 (45) 16/06/2016

(11) 27580

(51)	Int. Cl. 8 A01N 37/44, 37/46, 65/20 & A01P 1/00, 3/00
(71)	1. CONSUMO EM VERDE - BIOTECNOLOGIA DAS PLANTAS, S.A. (PORTUGAL) 2. 3.
(72)	<ol> <li>CARREIRA, Alexandra Manuela LourenCo</li> <li>VALADAS DA Silva Monteiro, Sara Alexandra</li> <li>DE SEIXAS Boavida Ferreira, Ricardo Manuel</li> </ol>
(73)	1. 2.
(30)	1. (PT) 105332 - 12-10-2010 2. (GB) 1017282.3 - 13-10-2010 3. (PCT/EP2011/067828) - 12-10-2011
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

#### (54)A METHOD OF INHIBITING THE GROWTH OF AND OR KILLING A PLANT PATHOGENIC MICROORGANISM COMPRISING ADMINISTERING A CHELATING AGEND AND PEPTIDE ANTIMICROBIAL COMPOUNDS

#### Patent Period Started From 12/10/2011 and Will end on 11/10/2031

The invention provide a chelating agent and an antimicrobial agent that is effective against a plant pathogenic microorganism to inhibit the growth of and/or kill a plant pathogenic microorganism on a plant; a method of inhibiting the growth of and/or killing a plant pathogenic microorganism comprising administering to a plant in need thereof a chelating agent and an antimicrobial agent that is effective against a plant pathogenic microorganism; and a method of increasing the activity of an antimicrobial that is effective against a plant pathogenic microorganism comprising using said antimicrobial with a chelating agent. Also provided is a composition comprising a chelating agent and an antimicrobial agent that is effective against a plant pathogenic microorganism, and a method of inhibiting the growth of and/or killing a plant pathogenic microorganism comprising administering to a plant in need thereof said composition. Further provided is the use of a composition comprising an antimicrobial polypeptide comprising blad or an active variant thereof to kill, or inhibit the growth of, a plant pathogenic bacterium on a plant, and a method of killing, or inhibiting the growth of, a plant pathogenic bacterium on a plant, said method comprising administering to said plant a composition comprising an effective amount of an antimicrobial polypeptide comprising blad or an active variant thereof.

# Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



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(22) 05/08/2012

(21) | 1367/2012

(44) | February 2016

(45) 16/06/2016

(11) 27581

(51)	Int. Cl. <sup>8</sup> F03G 7/04
(71)	<ol> <li>ZIBO NATERGY CHEMICAL INDUSTRY CO., LTD (CHINA)</li> <li>3.</li> </ol>
(72)	1. LIU, Angfeng 2. 3.
(73)	1. 2.
(30)	1. (CN) 201010111209.7 - 09-02-2010 2. (PCT/CN2011/000198) - 09-02-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) TEMPERATURE DIFFERENTIAL ENGINE DEVICE Patent Period Started From 09/02/2011 and Will end on 08/02/2031

(57) A temperature differential engine device includes a low-boiling-point medium steam turbine, a heat absorber, a thermal-insulating type lowtemperature countercurrent heat exchanger, a circulating pump, and a refrigerating system which are interconnected to constitute a closed circulating system filled with low-boiling-point medium fluid. The lowboiling-point medium steam turbine and the heat absorber constitute a lowdensity-medium heat-absorbing working system, and the circulating pump and the refrigerating system constitute a high-density-medium refrigerating-circulating system. The temperature differential engine device can transfer thermal energy into mechanical energy.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

#### **Egyptian Patent Office**



**PCT** 

(22) 06/02/2009

(21) 833/2009

(44) February 2016

(45) 16/06/2016

(11) 27582

(51)	Int. Cl. <sup>8</sup> C01B 3/38 & B01J 8/02
(71)	1. CASALE S.A. (SWITZERLAND)
	3.
<b>(72)</b>	1. FILIPPI, Ermanno
	2. BEDETTI, Gianfranco 3. ZANICHELLI, Luca
(73)	1.
(30)	1. (EP) 06024968.7 - 02-12-2006
()	2. (PCT/EP2007/010067) – 21-11-2007
(7.4)	CAMAD AHMED EL LADDAD
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) PROCESS FOR PRODUCING SYNTHESIS GAS AND RELATED APPARATUS

#### Patent Period Started From 21/11/2007 and Will end on 20/11/2027

(57) A process for producing synthesis gas by means of catalytic autothermal reforming treatment of a feed gaseous flow comprising hydrocarbons, with the obtainment of partially transformed gas and synthesis gas, is characterized in that it comprises the operative steps of: mixing a first portion of the feed gaseous flow comprising hydrocarbons with a gaseous flow comprising oxygen, subjecting the resulting mixture to partial combustion, with the obtainment of a gaseous flow of at least partially combusted gases, mixing a second portion of the gaseous flow comprising hydrocarbons with the gaseous flow of at least partially combusted gases, so as to advantageously attain a dilution of the concentration of the hydrocarbons present therein and subjecting the resulting mixture to said catalytic autothermal reforming, so preventing the formation of soot.

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**Egyptian Patent Office** 



**PCT** 

(22) 06/12/2012

(21) 2021/2012

(44) January 2016

(45) 19/06/2016

(11) 27583

(51)	Int. Cl. <sup>8</sup> E03C 1/086, 1/04 & F16L 15/00
(71)	1. NEOPERL GMBH (GERMANY) 2. 3.
(72)	<ol> <li>SCHNELL, Thomas</li> <li>STEIN, Alexander</li> <li>.</li> </ol>
(73)	1. 2.
(30)	1. (DE) 20 2010 009 135.7 - 16-06-2010 2. (PCT/EP2011/001212) - 11-03-2011 3.
(74)	WAGDY N. AZIZ
(12)	Patent

### (54) SANITARY INSERTION UNIT AND SHOWER FITTING HAVING A SANITARY INSERTION UNIT

#### Patent Period Started From 11/03/2011 and Will end on 10/03/2031

The present invention relates to a sanitary insertion unit which has a sealing ring with a sleeve-shaped extension, the free end region of which extension has a head which protrudes circumferentially and, when the extension is inserted into an associated line section, can be deformed at least in regions in such a manner that the head of the extension is placed onto the inner circumferential wall of the line section. The invention also relates to a sanitary insertion unit which has a flow regulator or is designed as a flow regulator, the outer circumference of the housing of which flow regulator bears a clamping edge region for, in particular, sealing and clamping the flow regulator between two interconnected line sections, wherein the flow regulator bears a sleeve-shaped extension, circumferentially protruding head of which, the head being produced from elastic material, can be deformed, when the extension is inserted into a line section, in such a manner that the head is placed onto the inner circumferential wall of the line section. Finally, the present invention is also concerned with a shower fitting having a line section which is configured in the form of a shower connection and in the line interior of which one of the above-described insertion units can be inserted.

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**PCT** 

- (22) 25/12/2012
- (21) 2127/2012
- (44) January 2016
- (45) 20/06/2016
- (11) 27584

(51)	Int. Cl. 8 F04D 29/30, 17/04
(71)	1. SHARP KABUSHIKI KAISHA (JAPAN) 2. 3.
(72)	<ol> <li>SHIRAICHI, Yukishige</li> <li>OHTSUKA, Masaki</li> <li>TAKAHASHI, Masaya</li> </ol>
(73)	1. 2.
(30)	1. (JP) 2010-146051 - 28-06-2010 2. (PCT/JP2011/061985) - 25/-05-2011 3.
(74)	SONYA FAEK FARAG
(12)	Patent

# (54) FAN, CASTING DIE AND FLUID DELIVERY DEVICE Patent Period Started From 25/05/2011 and Will end on 24/05/2031

(57) A cross flow fan is provided with multiple fan blades that are circumferentially provided with intervals there between. The fan blades have an inner edge that is arranged on the inner circumference side and an outer edge that is arranged on the outer circumference side. A blade surface that extends between the inner edge and the outer edge is formed by the fan blade. Air flow that flows between the inner edge and the outer edge is generated on the blade surface with the rotation of the fan. The fan blade has an airfoil profile where a recess is formed on the blade surface. The recess is arranged in a position nearer to the outer edge than the inner edge and is formed extending from one edge of the fan blade to the other edge in the direction of the fan rotation axis. With the disclosed structure, a fan designed to deliver excellent power and to reduce noise, a casting die and a fluid delivery device can be provided.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

#### (22) 03/01/2013

- (21) 0018/2013
- (44) January 2016
- (45) 20/06/2016
- (11) 27585

(51)	Int. Cl. 8 A01N 25/30, 43/40, 47/18, 51/00
(71)	1. ISHIHARA SANGYO KAISHA, LTD. (JAPAN) 2. 3.
(72)	<ol> <li>AWAZU, Takao</li> <li>SANO, Mitsuo</li> <li>NAKAGAWA, Akira</li> </ol>
(73)	1. 2.
(30)	1. (JP) 2010-157295 - 09-07-2010 2. (PCT/JP2011/065747) - 05-07-2011 3.
(74)	SOHEER MICHEAL REZK
(12)	Patent

### (54) WATER-BASED PESTICIDAL SUSPENSION

### Patent Period Started From 05/07/2011 and Will end on 04/07/2031

- (57) There has been a problem such that if a water-based pesticidal suspension containing, as an active ingredient, an agricultural chemical having a high aqueous solubility, particularly an agricultural chemical having an aqueous solubility exceeding 500 mg/L at 20°C, is stored for a long period of time, the active ingredient particles tend to grow and become coarse, whereby a stabilized suspension is hardly obtainable. To solve such a problem, the present invention provides a water-based pesticidal suspension comprising (a) an agricultural chemical or its salt having an aqueous solubility of from 500 mg/L to 6,000 mg/L at 20°C,
  - (b) a polycarboxylate type surfactant,
  - (c) a sulfonate type surfactant, and (d) water.

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**PCT** 

(22) |20/11/2013

(21) 1786/2013

(44) February 2016

(45) 21/06/2016

(11) 27586

(51)	Int. Cl. 8 G03G 15/08	
(71)	1. CANON KABUSHIKI KAISHA (JAPAN) 2. 3.	
(72)	<ol> <li>JIMBA, Manabu</li> <li>OKINO, Ayatomo</li> <li>MURAKAMI, Katsuya</li> </ol>	4. NAGASHIMA, Toshiaki 5. TAZAWA, Fumio
(73)	1. 2.	
(30)	1. (JP) 2011-126137 - 06-06-2011 2. (PCT/JP2012/065062) - 06-06-2012 3.	
(74)	NAHED WADE REZK	
(12)	Patent	

# (54) DEVELOPER REPLENISHMENT CONTAINER AND DEVELOPER REPLENISHMENT SYSTEM

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

The purpose of the present invention is to provide a developer replenishment container which enables the simplification of a mechanism connecting a developer receiving portion to the developer replenishment container by displacing the developer receiving portion. A developer replenishment container is attachable to and detachable from a developer receiving device and replenishes a developer through a developer receiving portion provided to be displaceable in the developer receiving device, the developer replenishment container comprising a developer housing portion which houses the developer, and engagement portions which can engage with the developer receiving portion, the engagement portions displacing the developer receiving portion toward the developer replenishment container with the mounting operation of the developer replenishment container such that the developer replenishment container is bought into the state of being connected to the developer receiving portion.

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PCT

(22) 07/07/2011

(21) 1159/2011

(44) January 2016

(45) 21/06/2016

(11) 27587

(51)	Int. Cl. 8 B01D 39/20, 29/21, 29/58 & C02F 1/00
(71)	1. UNILEVER PLC (UNITED KINGDOM) 2. 3.
(72)	<ol> <li>DAGAONKAR, Manoj, Vilas</li> <li>MAJUMDAR, Udayan</li> <li>WASKAR, Morris</li> </ol>
(73)	1. 2.
(30)	1. (IN) 180/MUM/2009 - 30-01-2009 2. (IN) 1007/MUM/2009 - 17-04-2009 3. (PCT/EP2009/067929) - 24-12-2009
(74)	NAHED WADE REZK
(12)	Patent

### (54) A FILTER AND A GRAVITY FILTERATION DEVICE

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

(57) The present invention relates to a filter and gravity filtration device comprising a carbon block enveloped with spiral wound layer of non-pleated fabric enveloped with spirally wound layer of pleated fabric. The combination of these three elements gives more than 3.5 log cyst removal from contaminated water, over prolonged usage of more than 2300 liters of water. The invention also relates to a gravity filtration device that comprises the filter of the invention. A method of filtering water is also claimed where the water flows first through the pleated fabric, then through the non-pleated fabric and then through the carbon block.

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**Egyptian Patent Office** 



**PCT** 

(22) 10/04/2013

(21) 0599/2013

(44) February 2016

(45) 21/06/2016

(11) 27588

(51)	Int. Cl. <sup>8</sup> F27B 7/38 & F27D 15/02 & C04B 7/47	
(71)	1. KHD HUMBOLDT WEDAG GMBH (GERMANY) 2. 3.	
(72)	<ol> <li>ELORANTA, Jarmo</li> <li>SYBON, AndrE</li> <li>ZENKER, Klaus</li> </ol>	4. OKKA, Hakan 5. HOHNE, JOrg
(73)	1. 2.	
(30)	1. (DE) 10 2010 055 825.7 - 23-12-2010 2. (PCT/EP2011/072615) - 13-12-2011 3.	
(74)	NAHED WADE REZK	
(12)	Patent	

# (54) METHOD FOR COOLING HOT BULK MATERIAL AND COOLER

#### Patent Period Started From 13/12/2011 and Will end on 30/12/2031

(57) The invention relates to a cooler for cooling hot bulk material, wherein cooling gas flows approximately transverse to the feed direction through a bulk material bed, and absorbs the heat of the bulk material, wherein a fixture supporting the bulk material bed comprises a ventilation base through which the cooling gas flows, and wherein the feeding principle provides planks extending in the feed direction, wherein at least two adjacent planks are displaced in the feed direction at the same time and opposite the feed direction at different times. According to the invention, the planks comprise differently designed surfaces in the feed direction, on which the bulk material bed is supported, causing different average transport speeds due to the different frictional fits with the supported bulk material bed, so that the bulk material bed is thereby extended in the area of the faster feed and is compressed in the area of the slower feed. The fixture churns the bulk material to be cooled by means of vertical mixing, whereby the heat recuperation becomes more efficient.

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**Egyptian Patent Office** 



**PCT** 

(22) 04/09/2013

(21) | 1398/2013

(44) January 2016

(45) 21/06/2016

(11) |27589

(51)	Int. Cl. <sup>8</sup> E04H 12/34
(71)	1. ALSTOM TECHNOLOGY LTD (SWITZERLAND) 2. 3.
(72)	<ol> <li>MONTRESOR Paolo</li> <li>SACK Michael,</li> <li>FRIESS Markus, DE,</li> </ol>
(73)	1. 2.
(30)	1. (EP) 12185059/8 – 19-09-2012 2. 3.
(74)	NAHED WADE REZK
(12)	Patent

## (54) CONCENTRATED SOLAR TOWER ASSEMBLY AND METHOD Patent Period Started From 04/09/2013 and Will end on 03/09/2033

(57) A concentrated solar tower assembly 1000 includes a hollow tower structure 100 defining lower 102 and upper 104 portions. The lower portion 102 includes a closable opening region 106 for configuring a closable opening 106a, and the upper portion 104 includes a top gird 110 having inner and outer top grids 112, 114. 5 The assembly 1000 further includes a solar receiver steam generator 200 entirely installed at the ground level G on the inner top grid 112 simultaneous to erection of the tower 100. The generator 200 on the inner top grid 112 is slidingly directed within the tower 100 from the closable opening 106a to be entirely accommodated therewithin. Thereafter, the 10 generator 200 on the inner top grid 112 is lifted for being placed along the upper portion 104 of the tower 100.

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**Egyptian Patent Office** 



**PCT** 

(22) 14/09/2011

(21) 1523/2011

(44) January 2016

(45) 21/06/2016

(11) 27590

(51)	Int. Cl. 8 A01P 1/00 & A01N 25/22, 33/12, 37/44, 37/46, 57/34 & C02F 1/50
(71)	1. RHODIA OPERATIONS (FRANCE) 2. 3.
(72)	<ol> <li>JONES, Chris</li> <li>EDMUNDS, Stephanie</li> <li>FELLOWS, Alan</li> </ol>
(73)	1. 2.
(30)	1. (US) 61/160. 540 - 16-03-2009 2. (PCT/EP2010/051194) - 01-02-2010 3.
(74)	NAHED WADE REZK
(12)	Patent

# (54) STABILIZED BIOCIDAL COMPOSITION Patent Period Started From 01/02/2010 and Will end on 31/01/2030

(57) The current invention relates to a process for stabilising a phosphorus-containing compound aqueous composition, comprising the step of adding to said composition an efficient arsenic stabilizing amount of a compound selected from the group consisting of ammonia, ammonium salt, organic amino acid, peptide and polypeptide; application of the stabilized composition for treating an aqueous system optionally containing or in contact with metal sulphide scale, which method comprises adding to said system, separately or together, an efficient anti-scale amount of a stabilized aqueous composition or for treating a water system to kill or inhibit the growth of micro organisms comprising applying thereto or forming in situ an efficient inhibiting amount of the stabilized aqueous composition.

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#### **Egyptian Patent Office**



**PCT** 

(22) 22/08/2011

(21) | 1393/2011

(44) January 2016

(45) 21/06/2016

(11) 27591

(51)	Int. Cl. 8 C04B 18/02, 40/06, 14/06, 24/26
(71)	1. VICAT (FRANCE) 2. 3.
(72)	1. PASQUIER, Michel 2. ROGAT, Damien 3.
(73)	1. 2.
(30)	1. (FR) 09/51151 - 24-02-2009 2. (PCT/FR2010/050312) - 24-02-2010 3.
(74)	NAHED WADE REZK
(12)	Patent

### (54) COMPOSITION USED FOR PREPARING CONCRETE WITHOUT **ADDING WATER**

#### Patent Period Started From 24/02/2010 and Will end on 03/02/2030

(57) The invention relates to a composition for preparing a liquid mortar or concrete without adding water, to a method for preparing said composition, and to a kit including said composition.

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**Egyptian Patent Office** 



**PCT** 

(22) 26/12/2007

(21) PCT/NA 2007/001467

(44) January 2016

(45) 21/06/2016

(11) 27592

(51)	Int. Cl. <sup>8</sup> F24C 3/04
(71)	1. CASTFUTURA SPA (ITALY) 2. 3.
(72)	1. OFFREDI, GIORGIO 2. 3.
(73)	1. 2.
(30)	1. (IT) SV 2005A000023 - 30-06-2006 2. (PCT/EP2006/063068) - 09-06-2006 3.
(74)	NAHED WADE REZK
(12)	Patent

# (54) OVEN OR GRILL BURNER Patent Period Started From 09/06/2006 and Will end on 08/06/2026

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

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

- (22) 17/12/2012
- (21) 2072/2012
- (44) February 2016
- (45) 21/06/2016
- (11) 27593

(51)	Int. Cl. 8 C08K 5/20 & H01L 31/048	
(71)	1. EVONIK ROHM GMBH (GERMANY) 2. 3.	
(72)	1. BATTENHAUSEN, Peter 2. BECKER, Ernst 3. SCHULTES, Klaus 4. STROHKARK, Sven	
(73)	1. 2.	
(30)	1. (DE) 102010030508.1 - 25-06-2010 2. (PCT/EP2011/059002) - 01-06-2011 3.	
(74)	NAHED WADE REZK	
(12)	Patent	

# (54) PROCESS FOR PRODUCTION OF SOLAR CELL MODULES Patent Period Started From 01/06/2011 and Will end on 31/05/2031

(57) The invention relates to PROCESS FOR PRODUCTION OF SOLAR CELL MODULES CHARACTERIZED BY a) at least one (poly) alkyl (meth) acrylate and b) at least one compound according to formula (I) IN WHICH the RESIDUES R1 and R2 represent independently an alkyl or cycloalkyl RESIDUE WITH 1 to 20 carbon atoms, CAN BE TREATED OPTIONALY WITH OTHER COMPONENTS IN CASTING PROCESS, for producing solar cell modules, in particular for producing light concentrators for solar cell modules.

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**PCT** 

(22) 02/05/2012

(21) 0807/2012

(44) January 2016

(45) 21/06/2016

(11) 27594

(51)	Int. Cl. <sup>8</sup> B32B 27/32, 7/02, 27/08
(71)	1. IRPLAST S.P.A (ITALY) 2.
	3.
(72)	1. IODICE, Pietro
( - )	2. PIERSE, Michael
	3.
(73)	1.
( - )	2.
(30)	1. (IT) (MI2011A000770) - 06-05-2011
(= -)	2.
	3.
(74)	NAHED WADE REZK
(12)	Patent

#### (54)**MULTILAYER FILMS** Patent Period Started From 02/05/2012 and Will end on 01/05/2032

Multilayer films for naked collation packaging of single packs comprising at least a core layer an inner layer and an inner layer, and an outer layer, wherein the inner and outer layer, equal to or different from each other, consists of one or more olefin (co) polymers wherein: - outer layer: (co) polymers having a melting point in the range 65 degree - 85 degree . inner layer: (co) polymers having a melting poit in the range 65 degree - 90 dergree. core layer: copolymers of propylene and or butane, wherein the film warping the single packs consist of one or more olefin copolymers having a melting point higher than 120 degree.

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**Egyptian Patent Office** 



**PCT** 

(22) 21/11/2012

(21) 1921/2012

(44) January 2016

(45) 21/06/2016

(11) 27595

(51)	Int. Cl. 8 B65D 85/804
(71)	1. HAREMLIK GIDA, DEKORASYON VE EKIPMANLARI TICARET SANAYI LIMITED 2. SIRKETI (TURKEY) 3.
(72)	<ol> <li>KOC, Caroline, N.</li> <li>YENTUR, Nil, Banu</li> <li>LOVALVO, Sally, Ann</li> </ol>
(73)	1. 2.
(30)	1. (KR)2010/04347 - 31-05-2010 2. (PCT/IB2011/052360) - 30-05-2011 3.
(74)	NAHED WADE REZK
(12)	Patent

# (54) CAPSULE FOR POURING A POWDER IN A DEVICE Patent Period Started From 30/05/2011 and Will end on 29/05/2031

(57) The present invention relates to a capsule comprising a body that has a space in which the powder will be put, becomes smaller downwards, the upper part of which is open and is in the form of a pot; at least one foil which is used to cover the lower part of the body and enables the powder (T) to remain in the chamber; and enabling the powders present therein to remain without deterioration for a long time.

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#### **Egyptian Patent Office**



**PCT** 

(22) 23/10/2012

) |23/10/2012

(21) | 1819/2012 (44) | January 2016

(45) 21/06/2016

(11) 27596

(51)	Int. Cl. <sup>8</sup> B02C 4/02,23/14, 23/30, 23/32
(71)	1. VICAT (FRCER) 2.
	3.
<b>(72)</b>	1. BOURGEOIS, Marcel
	2. 3.
(73)	1.
(30)	2. 1. (FR) 10/53319 - 29-04-2010 2. (PCT/FR2011/050922) - 21-04-2011 3.
(74)	HODA SERAG ELDIN
(12)	Patent

### (54) A TOOL FOR GRINDING INORGANIC MATERIAL, HAVING A ROLLER PRESS / COMPRESSION

#### Patent Period Started From 21/04/2011 and Will end on 20/04/2031

(57) The invention relates to a tool for grinding inorganic material comprising: a means for supplying raw material; a means for detecting metal material coupled to a discharge circuit; a first static separator; a roller press; a dynamic separator; a ventilation circuit; and a circuit for circulating the finished product. The press is connectable by means of a conveyance system having a diverting circuit or a second static separator, at least one of the outlets of which is connected to the dynamic separator.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

- (22) 06/04/2005
- (21) |PCT/NA2005/000113
- (44) January 2016
- (45) 21/06/2016
- (11) 27597

(51)	Int. Cl. 8 C07D 498/04, 498/20, 519/00 & A61N 31/424, 31/454, 31/4545, 31/4709, 31/496, 31/498, 31/4245, 31/4439, 31/497, 31/428, 31/4725, 31/438, 31/551, 31/5377, 31/506, 31/695,			
	31/46& A61P 31/06 & C07F 7/10			
(71)	1. OTSUKA PHARMACEUTICAL CO., LTD. (JAPAN)			
	2.			
	3.			
(72)	1. TSUBOUCHI, Hidetsugu	4. ITOTANI, Motohiro	7. KURODA, Takeshi	
( - )	2. SASAKI, Hirofumi	5. HASEGAWA, Takeshi	8. MATSUZAKI, Takayuki	
	3. KURODA, Hideaki	6. HARAGUCHI, Yoshikazu	, ,	
(73)	1.			
( - )	/  2.			
(30)	1. (JP) 298259-2002 - 11-10-2002			
(00)	2. (PCT/JP2003/013070) - 10-10-2003			
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(74)	MOHAMED MOHAMED BAKIR			
(12)	Patent			

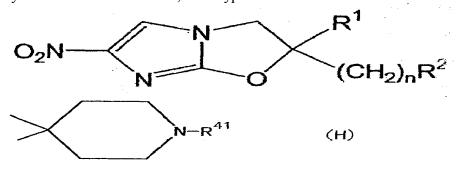
### (54) 2,3 DIHYDRO-6-NITROIMIDAZO[2,1-b]OXAZOLE COMPOUND AS ANTIBACTERIAL AGENTS

#### Patent Period Started From 10/10/2003 and Will end on 09/10/2023

(57) The present invention provides a 2,3-dihydro-6-nitroimidazo[2,1-b]oxazole compound represented by the following general formula:

wherein R1 represents a hydrogen atom or C1-C6 alkyl group, n represents an integer of 0 to 6, R2 represents a group -OR3 or the like, and R3 represents a hydrogen atom, C1-C6 alkyl group or the like, or R1 and -(CH2)nR2 may bind to each other together with carbon atoms adjacent thereto through nitrogen atoms so as to form a spiro ring represented by the general formula (H):

wherein R41 is hydrogen, C1-C6 alkyl group or the like. The present compound has an excellent bactericidal action against Mycobacterium tuberculosis, multi-drug-resistant Mycobacterium tuberculosis, and atypical acid-fast bacteria.



Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



PCT

(22) 25/06/2013

(21) 1098/2013

(44) February 2016

(45) 26/06/2016

(11) 27598

(51)	Int. Cl. 8 C01B 3/38
(71)	1. THYSSENKRUPP UHDE GMBH (GERMANY) 2. 3.
(72)	<ol> <li>JOHANNING, Joachim</li> <li>KEIL, Bernd</li> <li>Weight of the second se</li></ol>
(73)	1. 2.
(30)	1. (DE)10 2011 014 217.7 - 17-03-2011 2. (PCT/EP2012/001108) - 13-03-2012 3.
(74)	NAHED WADE REZK
(12)	Patent

### (54) METHOD FOR THE COMMISSIONING OF AUTOTHERMAL REFORMERS

#### Patent Period Started From 13/03/2012 and Will end on 12/033/2032

**(57)** This method for relates the invention to a commissioning an, autothermal reactor for the generation of synthesis gas by reforming of hydrocarbon-containing feed gases in a reaction chamber in which oxidation reactions and reforming reactions are carried out, by feeding a hydrocarbon-containing feed gas and steam, where the steam content based on carbon-containing feed gas is 0-80% by volume, and an oxidant which has an oxygen content of 10-100% by volume, are fed in and a product gas is produced, where an ignition process is triggered for the startup, where the autothermal reactor is firstly preheated to > 600?c by means of an inert medium for the startup, and the ignition process is subsequently triggered by introduction of a gas or gas mixture which has a sufficiently low ignition point and has an ignition temperature which is below the ignition temperature of the hydrocarbon-containing feed gas and has a proportion of components having a low ignition point of at least 40% by volume and by introduction of an oxidant which has an oxygen content of 10-100% by volume and the autothermal reforming is subsequently started by introduction of the hydrocarbon-containing feed gas and steam.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

### (22) 19/06/2011

(21) 1015/2011

(44) January 2016

(45) 26/06/2016

(11) 27599

(51)	Int. Cl. <sup>8</sup> C08J 3/22& H01B 3/44
(71)	1. BOREALIS AG (AUSTRIA) 2. 3.
(72)	<ol> <li>SMEDBERG, Annika</li> <li>RAVERA, Philippe</li> <li>NILSSON, Ulf</li> </ol>
(73)	1. 2.
(30)	1. (EP) 08172600.2 - 22-12-2008 2. (PCT/EP2009/009192) - 21-12-2009 3.
(74)	NAHED WADE REZK
(12)	Patent

# (54) PROCESS FOR PREPARING A POLYMER COMPOSITION Patent Period Started From 21/12/2009 and Will end on 20/12/2029

(57) The present invention relates to a process for preparing a polymer composition by using a masterbatch, as well as a process, wherein said polymer composition is used for preparing an article, preferably a cable. Also a masterbatch, a polymer composition comprising the masterbatch, and an article, preferably a cable, comprising the polymer composition are provided.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



**PCT** 

### (22) 03/10/2013

(21) 1548/2013

(44) December 2015

(45) 26/06/2016

(11) 27600

(51)	Int. Cl. <sup>8</sup> C03B 5/183
(71)	1. FIVES STEIN (FRANCE) 2. 3.
(72)	<ol> <li>Kuhn Wolf Stefan</li> <li>TABLOO SAMIR</li> <li>.</li> </ol>
(73)	1. 2.
(30)	1. (FR) 1152959 – 04-06-2011 2. (PCT/IB2012/051686) – 05-04-2012 3.
(74)	MOHAMED MOH. BAKIR
(12)	Patent

### (54) GLASS FURNACE, IN PARTICULAR FOR CLEAR OR ULTRA-CLEAR GLASS, WITH LATERAL SECONDARY RECIRCULATIONS

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

(57) Glass furnace for heating and melting materials to be vitrified, in which furnace two molten glass recirculation loops are formed in the bath between a hotter central zone of the furnace and, respectively, the inlet and the outlet which are at a lower temperature; the furnace comprises lateral cooling means so as to create or strengthen lateral secondary recirculation rolls of the glass.

Ministry of State for Scientific Research Academy of Scientific Research & Technology

**Egyptian Patent Office** 



**PCT** 

(22) 03/11/2013

(21) 1676/2013

(44) March 2016

(45) 26/06/2016

(11) 27601

(51)	Int. Cl. <sup>8</sup> C05G 3/00	
(71)	1. BASF SE (GERMANY) 2. 3.	
(72)	<ol> <li>NEFF, Raymond</li> <li>GERSHANOVICH, Alexander</li> <li>MENTE, Donald</li> </ol>	4. KUMAR, Rajesh
(73)	1. 2.	
(30)	1. (US) 61/482,959 - 05-05-2011 2. (PCT/US2012/036563) - 04-05-2012 3.	
(74)	TAHA HANAFY MAHMOUD	
(12)	Patent	

### (54) AN ENCAPSULATED PARTICLE

### Patent Period Started From 04/05/2012 and Will end on 03/05/2032

(57) An encapsulated particle including a core particle, a base layer, and an outer layer is provided. The base layer is disposed about the core particle and comprises polycarbodiimide. The outer layer is disposed about the base layer and comprises wax. A method of forming the encapsulated particle including the steps of reacting an isocyanate in the presence of a catalyst to form the polycarbodiimide, encapsulating the core particle with the polycarbodiimide to form the base layer, and encapsulating the base layer with the wax to form the outer layer is also provided.

Ministry of State for Scientific Research Academy of Scientific Research & Technology Egyptian Patent Office



PCT

(22) 11/03/2013

(21) 1677/2013

(44) March 2016

(45) 26/06/2016

(11) 27602

(51)	Int. Cl. <sup>8</sup> C05G 3/00	
(71)	1. BASF SE (GERMANY) 2. 3.	
(72)	<ol> <li>NEFF, Raymond</li> <li>GERSHANOVICH, Alexander</li> <li>MENTE, Donald</li> </ol>	4. KUMAR, Rajesh
(73)	1. 2.	
(30)	1. (US) 61/482,959 - 05-05-2011 2. (PCT/US2012/036603) - 04-05-2012 3.	
(74)	TAHA HANAFY MAHMOUD	
(12)	Patent	

# (54) A DUST SUPPRESSING AGGREGATE Patent Period Started From 04/05/2012 and Will end on 03/05/2032

(57) A dust suppressing aggregate includes a core particle and a dust suppressing agent. The dust suppressing agent comprises polycarbodiimide and is disposed about the core particle for suppressing dusting of the core particle. A method of forming the dust suppressing aggregate includes the steps of reacting isocyanates in the presence of a catalyst to form the and encapsulating polycarbodiimide the core particle with the polycarbodiimide to form the dust suppressing agent. A system for producing the dust suppressing aggregate includes the core particle, the isocyanates, and the catalyst.

Ministry of State for Scientific Research Academy of Scientific Research & Technology



# GRANTED PATENTS' ABSTRACTS GAZETTE "PATENTS ISSUED IN JULY 2016"

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( PATENT No. 27644)	(44)
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( PATENT No. 27647)	(47)
( PATENT No. 27648)	(48)
( PATENT No. 27649)	(49)

#### **Preface**

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

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

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

**Acting President of Patent Office** 

Mr. Adel El-Saeid Oweide

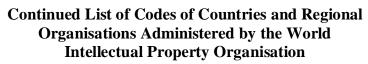
### Bibliographic data

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



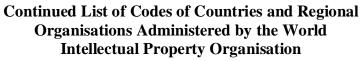
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HN	Honduras
HR	Croatia
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IE	Ireland



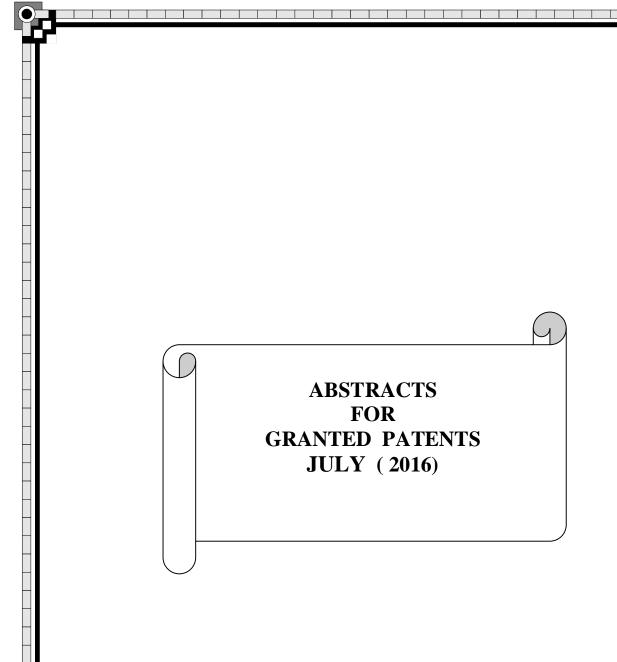
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RU	Russian Federation
RW	Rwanda
SA	Saudi Arabia



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





PCT

- (22) 19/04/2006
- (21) PCT/NA2006/0367
- (44) November 2015
- (45) 03/07/2016
- (11) 27603

(51)	Int. Cl. 8 A61K 9/19, 31/496, 47/26, 47/38	
(71)	1. OTSUKA PHARMACEUTICAL CO., LTD. ( 2. 3.	JAPAN)
(72)	<ol> <li>KOSTANSKI, Janusz W</li> <li>MATSUDA, Takakuni</li> <li>NERURKAR, Manoj</li> </ol>	4. NARINGREKAR, Vijay H.
(73)	1. 2.	
(30)	1. (US) 60/513618 - 23-10-2003 2. (PCT/US2004/034367) - 18-10-2004 3.	
(74)	HODA ABD ELHADY	
(12)	Patent	

## (54) CONTROLLED RELEASE STERILE INJECTBLE ARIPIPRAZOLE FORMULATION AND METHOD Patent Period Started From 18/10/2004 and Will end on 17/10/2024

(57) A controlled release sterile freeze-dried aripiprazole formulation is provided which is formed of aripiprazole of a desired mean particle size and a vehicle therefore, which upon constitution with water and intramuscular injection releases aripiprazole over a period of at least about one week and up to about eight weeks. A method for preparing the controlled release freeze- dried aripiprazole formulation, and a method for treating schizophrenia employing the above formulation are also provided.



**PCT** 

- (22) 15/03/2012
- (21) 0461/2012
- (44) December 2015
- (45) 03/07/2016
- (11) 27604

(51)	Int. Cl. 8 C09K 5/04
(71)	1. E. I. DU PONT DE NEMOURS AND COMPANY (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>KONTOMARIS, Konstantinos</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (US) 61/242,873 - 16-09-2009 2. (PCT/US2010/048910) – 15/09/2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

#### (54) CHILLER APPARATUS CONTAINING TRANS-1, 1, 1, 4, 4, 4-HEXAFLUORO-2-BUTENE AND METHODS OF PRODUCING COOLING THEREIN

#### Patent Period Started From 15/09/2010 and Will end on 14/09/2030

by said refrigerant being HFO-1336mzz that is trans isomer or primarily trans isomer. These chillers may be flooded evaporators or direct expansion evaporators, which utilize either centrifugal or screw compressors. Also disclosed herein are methods for producing cooling comprising evaporating trans-HFO-1336mzz in an evaporator in the vicinity of a body to be cooled, thereby producing cooling. Also disclosed herein is a method for replacing HFC-236fa or CFC-114 refrigerant in a chiller apparatus, said method comprising providing HFO-1336mzz to said chiller apparatus in place of the replaced refrigerant; wherein said HFO-1336mzz is trans isomer or primarily trans isomer.



PCT

- (22) 25/08/2013
- (21) 1352/2013
- (44) December 2015
- (45) 03/07/2016
- (11) 27605

(51)	Int. Cl. 8 A61F 13/15, 13/53, 13/49
(71)	1. UNICHARM CORPORATION (JAPAN) 2. 3.
(72)	<ol> <li>TUKUDA, Atushi</li> <li>MURAKAMI, Seiji</li> <li>Wurakami</li> </ol>
(73)	1. 2.
(30)	1. (JP) 2011-040330 - 25-02-2011 2. (PCT/JP2012/051696) - 26-01-2012 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) DEVICE AND METHOD FOR PRODUCING ABSORBENTS Patent Period Started From 26/01/2012 and Will end on 25/01/2032

(57) In order to form absorbents accurately into a previously established shape, the absorbent production device is equipped with: a fiber-depositing unit that successively forms multiple fiber deposits and discharges said fiber deposits at intervals in the direction of conveyance, wherein the patterning plates each have a deep groove towards the back end of the fiber deposit in the conveyance direction so as to form a thick region; a wrapping unit that wraps the fiber deposits discharged successively from the fiber-depositing unit with a continuous wrapping material, thereby forming a continuous wrapped product; a conveying unit that conveys the continuous wrapped product in the conveyance direction; a pressing unit that presses the conveyed continuous wrapped product to elongate the fiber deposits, thereby forming connecting regions that connect adjacent fiber deposits to each other; and a cutting unit that cuts the continuous wrapped product in the connecting regions, thereby forming absorbents of the previously established shape.



PCT

- (22) 30/05/2012
- (21) | 0976/2012
- (44) December 2015
- (45) 03/07/2016
- **(11)** | **27606**

(51)	Int. Cl. 8 C02F 3/30
(51)	Int. Ci. Cu2r 3/30
<b>(71)</b>	1. AMERICAN WATER WORKS COMPANY, INC (UNITED STATES OF AMERICA)
	2.
	3.
(72)	1. GIRALDO, Eugenio
	2.
	3.
(73)	1.
, ,	2.
(30)	1. (US) 12/886,321 - 20-09-2010
()	2. (US) 12/981,984 - 30-12-2010
	3. (PCT/US2010/050832) – 08-09-2011
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) SIMULTANEOUS ANOXIC BIOLOGICAL PHOSPHORUS AND NITROGEN REMOVAL WITH ENERGY RECOVERY

#### Patent Period Started From 08/09/2011 and Will end on 07/09/2031

(57) Methods and systems provided for treating wastewater to are nitrogen, carbon, and phosphorus, while simultaneously remove recovering energy in the form of methane and carbon dioxide. An ammonia-containing stream is directed to a pretreatment tank that produces excess sludge, biogas, and a pretreated stream. The pretreated stream has at least 45% less carbon than the ammonia-containing stream. The pretreated stream is then directed to an anoxic tank, which promotes phosphorus release and fermentation of particulate and dissolved organic matter. The mixed liquor is transferred to an aerated tank having low dissolved oxygen concentrations to promote development of phosphorusrelease bacteria that is eventually recycled to the anoxic tank by way of the return activated sludge. Simultaneous nitrification, denitrification, and phosphorus release occur in the aerated tank. A membrane tank separates treated effluent from activated sludge in a membrane tank.



**PCT** 

- (22) 11/05/2011
- (21) 0738/2011
- (44) November 2015
- (45) |03/07/2016
- (11) 27607

(51)	Int. Cl. 8 A61K 36/899, 8/97 & A61Q 19/08 & A61P 17/06
(71)	1. PIERRE FABRE DERMO-COSMETIQUE (FRANCE)
(/1)	2.
(==)	3.
(72)	1. MANDEAU, Anne 2. FABRE, Bernard
	3. ARIES, Marie-Françoise
(73)	1.
	Z. (TD) 00 1444 2000
(30)	1. (FR) 0857757 - 14-11-2008
	2. (PCT/EP2009/061972) – 15-09-2009
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) EXTRACT OF AERIAL PARTS OF OATS HARVESTED BEFORE EAR EMERGENCE

#### Patent Period Started From 15/09/2009 and Will end on 14/09/2029

(57) The invention relates to an aerial part extract of oats excluding grains, to its preparation method and to its preparation method and to its uses.



PCT

- (22) 01/12/2011
- (21) 2028/2011
- (44) December 2015
- (45) 03/07/2016
- (11) 27608

(51)	Int. Cl. <sup>8</sup> C09K 5/04
(71)	1. E.I.du Pont de Nemours and Company (UNITED STATES OF AMERICA ) 2.
(72)	<ol> <li>MINOR, Barbara, Haviland</li> <li>KONTOMARIS, Konstantinos</li> <li>LECK, Thomas, J.</li> </ol>
(73)	1. 2.
(30)	1. (US) 61/183,671 - 03-06-2009 2. (PCT/US2010/037185) - 03-06-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

#### (54) CHILLER APPARATUS CONTAINING CIS-1, 1, 1, 4, 4, 4-HEXAFLUORO-2 BUTENE AND METHODS OF PRODUCING COOLING THEREIN

#### Patent Period Started From 03/06/2010 and Will end on 02/06/2030

(57) Disclosed herein are chiller apparatus containing cis-HFO-1336mzz. These chillers may be centrifugal chillers or positive displacment (e.g., screw) chillers and may comprise flooded evaporators or direct expansion evaporators. Also disclosed herein are methods for producing cooling comprising evaporating cis-HFO-1336mzz in the vicinity of a body to be cooled.



PCT

- (22) 06/08/2013
- (21) 1284/2013
- (44) December 2015
- (45) 10/07/2016
- **(11)** | **27609**

(51)	Int. Cl. 8 C03C 3/087, 4/02, 3/11
(71)	1. PPG INDUSTRIES OHIO, INC. (UNITED STATES OF AMERICA)
	2. 3.
(72)	1. SHELESTAK, Larry J
\ /	2. THIEL, James P
	3.
(73)	1.
( - )	2.
(30)	1. (US) 13/026,399 - 14-02-2011
(00)	2. (PCT/US2012/022827) - 27-01-2012
	3.
(74)	ABD ELHADI OFFICE
(12)	Patent

(54)	DARK PRIVACY GLASS
	Patent Period Started From 27/01/2012 and Will end on 26/01/2032

(57) A vehicle roof window includes an uncoated glass transparency having an Lta in the range of greater than 0% to 10%, and a solar factor in the range of equal to or less than 30%, measured at a thickness in the range of 3.6-4.1 millimeters ('mm"), e.g. at a thickness of 3.6 mm, 3.9 mm or 4.1 mm. The solar factor is determined in accordance to International Organization for Standardization ("ISO") No. 13837.



PCT

- (22) 11/03/2009
- (21) 0316/2009
- (44) December 2015
- (45) 10/07/2016
- **(11)** | **27610**

(51)	Int. Cl. 8 C07C 227/16, 229/34, 227/32
(71)	1. NOVARTIS AG (SWITZERLAND) 2. 3.
(72)	1. HOOK, David 2. WIETFELD, Bernhard 3. LOTZ, Matthias
(73)	1. 2.
(30)	1. (EP) 06120576.1 - 13-09-2006 2. (PCT/EP2007/007913) - 11-09-2007 3.
(74)	ABD ELHADI OFFICE
(12)	Patent

## (54) PROCESS FOR PREPARING BIARYL SUBSTITUTED 4-AMINO-BUTYRIC ACID OR DERIVATIVES THEREOF AND THEIR USE IN THE PRODUCTION OF NEP INHIBITORS

#### Patent Period Started From 11/09/2007 and Will end on 10/09/2027

(57) The invention relates to a process for producing a compound according to formula (i) or salt thereof, wherein R1 and R1? are independently hydrogen or an amine protecting group and R2 is a carboxyl group or an ester group, comprising reacting a compound according to formula (ii) or salt thereof, wherein R1, R1? and R2 are defined as above, with hydrogen in the presence of a transition metal catalyst and a chiral ligand, wherein the transition metal is selected from group 7, 8 or 9 of the periodic table. Furthermore, the invention relates to products obtainable by said process and to their use in the production of NEP inhibitors. Moreover, the invention relates to the use of transition metal catalyst in the preparation of NEP inhibitors or prodrugs thereof.



PCT

- (22) 22/05/2011
- (21) 0796/2011
- (44) December 2015
- (45) 10/07/2016
- (11) 27611

(51)	Int. Cl. 8 C03B 5/173, 5/193, 5/235 & C03C 3/087, 4/10
(71)	1. PPG INDUSTRIES OHIO, INC. (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>SHELESTAK, Larry, J.</li> <li>SCHWENNINGER, Ronald, L.</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (UA) 275264/12 - 21-11-2008 2. (PCT/US2009/064557) – 16-11-2009 3.
(74)	ABD ELHADI OFFICE
(12)	Patent

#### (54) METHOD OF REDUCING REDOX RATIO OF MOLTEN GLASS AND ULTRA-CLEAR GLASS MADE THEREBY

#### Patent Period Started From 16/11/2009 and Will end on 15/11/2029

(57) A soda-lime-silica glass for solar collector cover plates and solar mirrors has less than 0.010 weight percent total iron as Fe2O3, a redox ratio of less than 0.350, less than 0.0025 weight percent CeO2, and spectral properties that include a visible transmission, and a total solar infrared transmittance, of greater than 90% at a thickness of 5.5 millimeters, and reduced solarization. In one non-limiting embodiment of invention, the glass is made by heating a pool of molten soda-lime-silica with a mixture of combustion air and fuel gas having an air firing ratio of greater than 11, or an oxygen firing ratio of greater than 2.31. In another non-limiting embodiment of the invention, streams of oxygen bubbles are moved through a pool of molten glass. In both embodiments, the oxygen oxidizes ferrous iron to ferric iron to reduce the redox ratio.



PCT

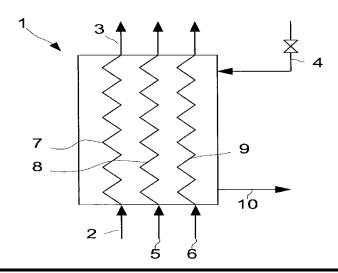
- (22) 27/01/2008
- (21) 0143/2008
- (44) December 2015
- (45) 10/07/2016
- (11) 27612

(51)	Int. Cl. <sup>8</sup> F28D 7/02 & F28F 21/08	
(71)	1. LINDE AKTIENGESELLSCHAFT (GERMANY) 2.	
	3.	
(72)	<ol> <li>SPREEMANN, Jürgen</li> <li>SCHÖNBERGER, Manfred</li> <li>SEEHOLZER, Christoph</li> </ol>	<ul><li>4. KAUPP, Eberhard</li><li>5. BAUER, Stefan</li></ul>
(73)	1. 2.	
(30)	1. (DE) 10 2005 036 413.6 - 29-07-2005 2. (PCT/EP2006/006625) - 06-07-2006 3.	
<b>(74)</b>	ABD ELHADI OFFICE	
(12)	Patent	

## (54) COILED HEAT EXCHANGER HAVING DIFFERENT MATERIALS

#### Patent Period Started From 06/07/2006 and Will end on 05/07/2026

(57) The invention relates to a coiled heat exchanger having a plurality of tubes which are wound around a core tube, having a casing which delimits an outer space around the tubes, characterized in that a first and a second component of the coiled heat exchanger are composed of different materials.





PCT

- (22) 23/06/2013
- (21) | 1085/2013
- (44) | February 2016
- (45) 10/07/2016
- (11) |27613

(51)	Int. Cl. 8 E21B 33/127
(71)	1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>DUAN, Ping</li> <li>ROSENBLATT, Steve</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (US) 12/985,962 - 06-01-2011 2. (PCT/US2012/020321) - 05-01-2012 3.
(74)	NAHED WADE REZK
(12)	Patent

### (54) SHAPE MEMORY MATERIAL PACKER FOR SUBTERRANEAN USE

#### Patent Period Started From 05/01/2012 and Will end on 04/01/2032

(57) A shape memory polymer is initially fabricated to a size where its peripheral dimension will be at least as large as the borehole wall in which it is to be deployed. After the initial manufacturing the material temperature is elevated above the transition temperature and the material is stretched on a mandrel to retain its inside dimension as its outside dimension is reduced to size that will allow running the seal to a desired subterranean location without failing the material during the stretching. The material is allowed to cool below the transition temperature to hold the new shape. The material on the mandrel is then secured to a tubular string and delivered to the desired location. Wellbore fluid at given temperature raises the material again above the transition temperature, which causes the material to revert to its originally manufactured shape.



PCT

- (22) 14/05/2013
- (21) 0823/2013
- (44) | February 2016
- (45) 01/07/2016
- (11) 27614

(51)	Int. Cl. 8 E21B 17/02
(71)	<ol> <li>BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA)</li> <li>3.</li> </ol>
(72)	<ol> <li>STOESZ, Carl W.</li> <li>MENDEZ, Luis E.</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (US) 12/956,360 - 30-11-2010 2. (PCT/US2011/062414) – 29-11-2011 3.
(74)	NAHED WADE REZK
(12)	Patent

### (54) CONTAMINATION RESISTANT CONNECTING SYSTEM AND METHOD

#### Patent Period Started From 29/11/2011 and Will end on 08/11/2031

(57) A contamination resistant connecting system includes, a first conduit, a first connector in operable communication with the first conduit, a first seal configured to seal at least part of the first connector from an environment, a second conduit operationally connectable with the first conduit, a second connector in operable communication with the second conduit that is operationally connectable with the first connector and a second seal configured to seal at least part of the second connector from an environment. Additionally, at least one piercing device is configured to pierce through the first seal and the second seal to allow operational connection of the first conduit with the second conduit.



PCT

- (22) 31/07/2013
- (21) 1248/2013
- (44) | February 2016
- (45) 10/07/2016
- (11) 27615

(51)	Int. Cl. 8 E21B 21/06	
(71)	1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA) 2. 3.	
(72)	1. MOIDEL, Joe, P. 2. BROUSSARD, Lee	4. BURGER, Ronald, E. 5. MOORE, Ronald, A.
(73)	3. COMEAUX, Gerald, P. 1. 2.	
(30)	1. (US) 13/041,099 - 04-03-2011 2. (PCT/US2012/027124) – 29-02-2012 3.	
(74)	NAHED WADE REZK	
(12)	Patent	

### (54) DEBRIS CLEANUP TOOL WITH FLOW RECONFIGURATION FEATURE

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

(57) A debris cleanup tool uses a movable eductor to reconfigure the flow scheme through the tool. During the debris pickup mode, pressurized fluid is delivered to through the tubing to the eductor inlet. The outlet of the eductor is into the surrounding annulus where the flow splits with most going to the surface and the rest down and into a mill making cuttings. The flow into the mill takes the cuttings to a collection volume and then screens the internal flow stream before directing it into the eductor inlet. The eductor body can be repositioned to close the eductor outlet to the annulus and open the outlet into the housing to allow reverse flow. In one embodiment a ball is dropped and pressure is built to break a shear pin to shift the eductor body and to open a bypass around the ball.



PCT

- (22) 28/07/2013
- (21) 1227/2013
- (44) | February 2016
- (45) 10/07/2016
- **(11)** | **27616**

(51)	Int. Cl. 8 G01V 9/00
(71)	1. LANDMARK GRAPHICS CORPORATION (UNITED STATES OF AMERICA) 2.
	3.
(72)	<ol> <li>STROBEL, Marchal A.</li> <li>CARVAJAL, Gustavo</li> <li>SZATNY, Michael</li> </ol>
(73)	1. 2.
(30)	1. (PCT/US2011/025800) – 23-02-2011 2. 3.
(74)	NAHED WADE REZK
(12)	Patent

## (54) METHOD AND SYSTEMS OF DETERMINING VIABLE HYDRAULIC FRACTURE SCENARIOS Patent Period Started From 23/02/2011 and Will end on 22/02/2031

(57) Determining viable hydraulic fracture scenarios. At least some of the illustrative embodiments include: executing a fracture planning program, and determining a set of schedules from the fracture planning program, each schedule comprising a volume of fracture fluid, amount of proppant, and flow rate of the fracture fluid; providing each schedule of the set of schedules to a stress analysis program, executing the stress analysis program, and determining a set of indications from the stress analysis program, each indication indicative of whether a respect schedule exceeds engineering limits of a tubing string; and providing at least some of the schedules to a fracture simulation program, executing the fracture simulation program, and determining a set of fracture geometries from the fracture simulation program, each fracture geometry corresponding to a respective schedule.



PCT

- (22) 22/02/2015
- (21) |0285/2015
- (44) December 2015
- (45) 10/07/2016
- (11) 27617

(51)	Int. Cl. 8 H04W 68/00, 36/12, 36/02
(71)	1. NEC CORPORATION (JAPAN) 2.
	3.
<b>(72)</b>	1. OKABE, Junya
	2. TAMURA, Toshiyuki
	3.
(73)	1.
	2.
(30)	1. (JP) 2013-105981 - 20-05-2013
(0 0)	2. (JP) 2013-191772 - 17-09-2013
	3. (PCT/JP2014/002456) – 09-05-2014
(74)	SONYA FAAK FIRG
(12)	Patent

## (54) MOBILE COMMUNICATION SYSTEM, SGW, TERMINAL COMMUNICATION METHOD AND CONTROL METHOD

#### Patent Period Started From 09/05/2014 and Will end on 08/05/2034

(57) A bearer management device that performs control to reliably receive an incoming packet call that is made while a mobile terminal device is moving is provided. A bearer management device includes an incoming call control unit that, in the case where a mobility management device manages a location of a mobile terminal device as a result of movement of the mobile terminal device whose location has been managed by a mobility management device, suspends processing of an incoming call to the mobile terminal device made during movement of the mobile terminal device until receiving a notification about completion of movement of the mobile terminal device from the mobility management device, and resumes incoming call processing to the mobile terminal device after receiving a notification about completion of movement of the mobile terminal device from the mobility management device.



PCT

- (22) 07/02/2007
- (21) PCT/NA2007/0143
- (44) February 2016
- (45) 12/07/2016
- (11) 27618

/		Int. Cl. 8 A61K 38/00
6	(71)	1. FERRING B.V (NETHERLANDS) 2. 3.
  - 	(72)	1. WISNIEWSKI, Kazimierz 2. SCHTEINGART, CLAUDIO 3. LAPORTE, REGENT GALYEAN, ROBERT, FELIX RIVIERE, PIERRE
6	(73)	1. 2.
<b>\</b> 	(30)	1. (EP) 04019029.0 - 11-08-2004 2. (US) 60/600,377 - 11-08-2004 3. (PCT/US2005/027772) - 03-08-2005
	(74)	SAMAR AHMED EL LABBAD
	(12)	Patent

## (54) PEPTIDIC VASOPRESSIN RECEPTOR AGONISTS Patent Period Started From 03/08/2005 and Will end on 02/08/2025

(57) The present invention relates to novel compounds, pharmaceutical compositions comprising the same, use of said compounds for the manufacture of a medicament for treatment of inter alia shock conditions as well as to a method for treatment of said conditions, wherein said compounds are administered. The compounds are represented by the general formula (I), as further defined in the specification.

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**PCT** 

(22) 26/05/2013

(21) 0894/2013

(44) March 2016

(45) 12/07/2016

(11) 27619

(51)	Int. Cl. 8 C25B 11/04
(71)	1. INDUSTRIE DE NORA S.P.A (ITALY)
	2. 3.
(72)	1. URGEGHE, Christian
	2. PEZZONI, Chiara
	3. ANTOZZI, Antonio Lorenzo
(73)	1.
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(30)	1. (IT) MI2010A002193 - 26-11-2010
( /	2. (PCT/EP2011/071079) – 25-11-2011
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) ANODE FOR ELECTROLYTIC EVOLUTION OF CHLORINE Patent Period Started From 25/11/2011 and Will end on 24/11/2031

(57) An electrode suitable for chlorine evolution in electrolysis cells consists of a metal substrate coated with two distinct compositions applied in alternate layers, the former comprising oxides of iridium, ruthenium and valve metals, for instance tantalum, and the latter comprising oxides of iridium, ruthenium and tin. The thus-obtained electrode couples excellent characteristics of anodic potential and selectivity towards the chlorine evolution reaction.



PCT

- (22) 28/11/2013
- (21) 1830/2013
- (44) March 2016
- (45) 12/07/2016
- (11) 27620

(51)	Int. Cl. 8 C01B 25/231
(71)	1. PRAYON TECHNOLOGIES (BELGIUM)
	2.
	3.
(72)	1. HOXHA, Antoine
	2. FATI, Dorina
	3.
(73)	1.
( - )	2.
(30)	1. (PCT/EP2011/059128) – 01-06-2011
(= 0)	2.
	3.
(74)	SAMAR AHMED EL LABBAD
<b>(12)</b>	Patent

## (54) AMETHOD FOR PRODUCING PHOSPHORIC ACID OF DIHYDRATE / HEMIHYDRATE TYPE Patent Period Started From 01/06/2011 and Will end on 31/05/2031

(57) The invention relates to a process for producing phosphoric acid, including etching, in an aqueous medium, phosphate rock using sulfuric acid, resulting in the formation of a first dihydrate slurry, in suspension in an aqueous phase, having a free P2O5 content of between 38 and 50% and a free SO3 content lower than 0.5%, converting said first slurry by means of heating, resulting in the recrystallization of the solubilized calcium sulfate so as to obtain a second hemihydrate slurry, and separating the second slurry into industrial phosphoric acid and a hemihydrate cake, characterized in that said process includes, during the etching, adding a fluorine source into the first slurry with a content of 1 to 5 wt % of F relative to the P2O5 contained in the phosphate rock.



**PCT** 

- (22) 23/09/2007
- (21) PCT/NA2007/001007
- (44) February 2016
- (45) 12/07/2016
- (11) 27621

(51)	Int. Cl. 8 C07K 16/22 & C12N 15/13, 5/20 & A61K 39/395
(71)	1. THROMB-X N.V. (BELGIUM) 2. D. COLLEN RESEARCH FOUNDATION VZW (BELGIUM) 3. VLAAMS INTERUNIVERSITAIR INSTITUUT VOOR BIOTECHNOLOGIE VZW (BELGIUM)
(72)	<ol> <li>STASSEN, Jean-Marie</li> <li>CARMELEY, PETER</li> <li>COLLEN, DESIRE</li> </ol>
(73)	1. 2.
(30)	1. (US) 60/66.4.768 - 24-03-2005 2. (PCT/BE2006/000023) - 24-03-2006 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) NOVEL ANTI-PLGF ANTIBODY Patent Period Started From 24/03/2006 and Will end on 23/03/2026

(57) The present invention provides novel monoclonal antibodies directed to PIGF and fragments and derivatives thereof, more particularly to humanized antibodies and fragments thereof for use in the treatment and/or prevention of pathological angiogenesis.



PCT

- (22) 13/10/2011
- (21) 1716/2011
- (44) February 2016
- (45) 13/07/2016
- (11) 27622

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(51)	Int. Cl. 8 C05G 5/00, 3/00, 3/06 & C05D 9/00
(01)	
( <b>7.4</b> )	1 CHI DHITD COLUMNIC INC. (CANADA)
<b>(71)</b>	1. SULPHUR SOLUTIONS INC. (CANADA)
	2.
	3.
(50)	1. PEDERSEN, Eric
<b>(72)</b>	,
	2.
	3.
(73)	1.
(,,,	2.
(30)	1. (CA) 2,663,119 - 16-04-2009
(00)	2. (US) 61/169,956 0- 16-04-2009
	3. (PCT/CA2010/000592) – 16-04-2010
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<b>(74)</b>	WAGDY NABEH AZEZ
(12)	Patent
()	

## (54) DISPERSIBLE SULPHUR FERTILIZER PELLETS Patent Period Started From 16/04/2010 and Will end on 15/04/2030

(57) A water dispersible pellet and method of producing same comprising: micronized elemental sulphur with 80% of particles less than 30 microns, a binder component in the amount ranging from 0.95% to 95% by weight; a surfactant in the amount ranging from 0.05% to 10% by weight; a soluble salt present in the amount ranging from 0.05% to 95% by weight; bentonite clay in the amount ranging from 0.05% to 95% by weight. The pellet having a mean particle domain size and a mean crushing strength, all in a form such that within a few minutes of contact with water the pellet disperses into particles with more than 10% of said particles passing through a 50 mesh (US Standard Size) screen.



PCT

- (22) 10/10/2013
- (21) 1585/2013
- (44) March 2016
- (45) 13/07/2016
- (11) 27623

(51)	Int. Cl. <sup>8</sup> G06F 19/00
(71)	1. LANDMARK GRAPHICS CORPORATION (UNITED STATES OF AMERICA)
	2.
	3.
<b>(72)</b>	1. GONZALES, Adolfo
	2. MITCHELL, Robert
	3.
(73)	1.
. ,	2.
(30)	1. (PCT/US2011/033080) – 19/04/2011
(= 0)	2.
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) DETERMINING WELL INTEGRITY Patent Period Started From 19/04/2011 and Will end on 18/04/2031

(57) A method performed with a computing system for determining well integrity includes receiving a selection of a well configuration of a well comprising one or more casing strings and a production tubing extending from adjacent a wellhead of the well to adjacent a bottom of the well; receiving a selection of a wellbore operation performed with the well configuration; determining, based on the well configuration and the wellbore operation, a characteristic of the well at or adjacent the one or more casing strings and the production tubing during the wellbore operation; modifying the well configuration to remove the production tubing; and determining, based on the modified well configuration and the wellbore operation, the characteristic of the well at or adjacent the one or more casing strings during the wellbore operation.



PCT

- (22) 23/11/2012
- (21) 1899/2012
- (44) | February 2016
- (45) 13/07/2016
- (11) 27624

(51)	Int. Cl. 8 F23D 14/06
(71)	1. DEFENDI ITALY S.R.L. (ITALY) 2.
	3.
(72)	1. PAESANI, Carlo
	2. 3.
(73)	1.
(30)	2. 1. (US) VE2010A000023- 19-05-2010
(50)	2. (PCT/EP2011/057994) – 17-05-2011
( <b>-</b> 4)	J. HODA ANEEG GERACEV DEEN
(74)	HODA ANEES, SERAGELDEEN
<b>(12)</b>	Patent

### (54) INFORMATION SIGNAL REPRESENTATION USING LAPPED TRANSFORM

#### Patent Period Started From 17/05/2011 and Will end on 16/05/2031

An information signal reconstructor is configured to reconstruct, using aliasing cancellation, an information signal from a lapped transform representation of the information signal comprising, for each of consecutive, overlapping regions of the information signal, a transform of a windowed version of the respective region, wherein the information signal reconstructor is configured to reconstruct the information signal at a sample rate which changes at a border between a preceding region and a succeeding region of the information signal. The information signal reconstructor comprises a retransformer configured to apply a retransformation on the transform of the windowed version of the preceding region so as to obtain a retransform for the preceding region, and apply a retransformation on the transform of the windowed version of the succeeding region so as to obtain a retransform for the succeeding region, wherein the retransform for the preceding region and the retransform for the succeeding region overlap at an aliasing cancellation portion at the border between the preceding and succeeding regions; a resampler configured to resample, by interpolation, the retransform for preceding region and/or the retransform for the succeeding region at the aliasing cancellation portion according to a sample rate change at the border; and a combiner configured to perform aliasing cancellation between the retransforms for the preceding and succeeding regions as obtained by the resampling at the aliasing cancellation portion.



PCT

- (22) 06/09/2012
- (21) 1520/2012
- (44) March 2016
- (45) 14/07/2016
- (11) 27625

(51)	Int. Cl. 8 A01N 43/00
(71)	1. SCIENCE AND TECHNOLOGY DEVELOPMENT FUND (EGYPT)
	2. 3.
(72)	1. HALA MOHAMED ABDEL AZIZ ABDEL WAHAB
	2. 3.
(73)	1.
(30)	2. 1.
(30)	2.
	3.
<b>(74)</b>	MARWA ALAA EL DIN MOHAMED ABDEL-MEGUID
<b>(12)</b>	Patent

## (54) DETECTOR MEDIUM FOR PLANT MOLD DISEASES Patent Period Started From 06/09/2012 and Will end on 05/09/2032

- (57) A detector medium has been prepared for a dual use:
  - 1) early diagnostic of gray mold diseases before infection development on plants,
  - 2) Isolation and purification of the causal pathogen from the infected plant without occurrence of any contamination. This medium contains a mixture of various components which are economic and safety on the human and environment. Moreover, the use of detector medium for plant mold diseases medium saves the time and labor as we could detect and isolate hundreds of isolates in one step without needing any additional methods. This medium permit to make decision for disease management time and fruit marketing eligibility.



PCT

- (22) | 13/11/2011
- (21) | 1902/2011
- (44) January 2016
- (45) 17/07/2016
- (11) 27626

(51)	Int. Cl. 8 C02F 3/00, 1/28	
(71)	<ol> <li>SAUDI ARABIAN OIL COMPANY (SAUDI SIEMENS INDUSTRY, INC, (UNITED States)</li> <li>3.</li> </ol>	*
(72)	<ol> <li>CONNER, William, G.</li> <li>AL-HAJRI, Mohammed, A.</li> <li>SCHULTZ, Thomas, E.</li> <li>HOWDESHELL, Michael</li> </ol>	<ul><li>5. FELCH, Chad, L.</li><li>6. PATTERSON, Matthew</li><li>7. SHAFARIK, Samuel</li><li>8. COOLEY, Curt</li></ul>
(73)	1. 2.	
(30)	1. (US) 61/186,983 - 15-06-2009 2. (US) 61/224,000 - 08-07-2009 3. (PCT/US2010/038650) - 15-06-2010	
(74)	YOUSEF MOHMED HAFEZ	
<b>(12)</b>	Patent	

## (54) SUSPENDED MEDIA MEMBRANE BIOLOGICAL REACTOR SYSTEM AND PROCESS INCLUDING MULTIPLE BIOLOGICAL REACTOR ZONES

#### Patent Period Started From 15/06/2010 and Will end on 14/06/2030

(57) A wastewater treatment system is provided comprising a first biological reaction zone, a second biological reaction zone and a membrane operating system. The first biological reaction zone is constructed and arranged to receive and treat the wastewater. The second biological reaction zone includes a separation subsystem and is constructed and arranged to receive effluent from the first biological reaction zone. A suspension system for adsorbent material is provided in the second biological reaction zone. The membrane operating system is located downstream of the second biological reaction zone and is constructed and arranged to receive treated wastewater from the second biological reaction zone and discharge a membrane permeate.



**PCT** 

- (22) 02/01/2013
- (21) 0011/2013
- (44) **January 2016**
- (45) 17/07/2016
- (11) 27627

(51)	Int. Cl. 8 B32B 7/02, 27/18, 27/32 & B65D 65/42
(71)	1. KOBUSCH-SENGEWALD GMBH (GERMANY) 2.
	3.
(72)	1. DAUM, Helwig, Heinrich 2. 3.
(73)	1. 2.
(30)	1. (DE) 20 2010 007 972.1 - 02-07-2010 2. (PCT/DE2011/075071) - 11-04-2011 3.
(74)	ALFONS ROSHDY REYAD
(12)	Patent

## (54) CLEAR, TRANSPARENT, MULTI-LAYER ANTI-FOG FILM Patent Period Started From 11/04/2011 and Will end on 10/04/2031

(57) The invention relates to a clear, transparent, multi-layer anti-fog film with improved resistance to delamination and with good retention of function, which comprises at least one polyolefin sealing layer comprising anti-fog additive, and also comprises an anti-fog-agent barrier layer and an outer layer.



PCT

(22) 28/10/2010

(21) 1822/2010

(44) July 2016

(45) 18/07/2016

(11) 27628

(51)	Int. Cl. <sup>8</sup> B01J 8/02
(71)	1. CASALE S.A (ZWITZERLAND) 2.
	3.
(72)	1. RIZZI, Enrico;
	2. FILIPPI, ERMANNO
	3. TAROZZO, Mirco
<b>(73)</b>	1.
	2.
(30)	1. (EP) 08008252.2 - 30-04-2008
` /	2. (PCT/EP 2009/054500) – 16-04-2009
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) START-UP HEATER FOR AMMONIA REACTORS Patent Period Started From 16/04/2009 and Will end on 15/04/2029

(57) An internal start-up heater for an ammonia reactor, comprising longitudinal heating members and a supporting structure for said heating members, the structure comprising plates with parallel beams in contact with said heating members, wherein the plates are arranged in plate sets formed by at least a first and a second plate having differently arranged supporting beams.



PCT

- (22) 08/07/2013
- (21) 1156/2013
- (44) January 2016
- (45) 20/07/2016
- (11) 27629

(51)	Int. Cl. 8 A61N 1/00
(71)	1. PGS GEOPHYSICAL AS (NORWAY) 2.
(72)	3. 1. Neil H.R. Turnbull 2.
(73)	3. 1. 2.
(30)	1. (US) 549.310/13 - 13-07-2012 2. 3.
(74)	MOHAMED KAMEL MOSTAFA
<b>(12)</b>	Patent

## (54) METHOD AND SYSTEM OF CONTROLLING TOWING SPEED OF A SENSOR STREAMER

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

(57) Controlling towing speed of a sensor streamer. At least some of the of the embodiments are methods including: towing a sensor streamer through water at a towing speed; releasing interrogating energy within the water; recording energy received by the sensor streamer to create recorded energy; determining a value indicative of noise within the recorded energy; and changing the towing speed in real-time responsive to the value indicative of noise within the recorded energy.



PCT

- (22) 26/05/2010
- (21) 0871/2010
- (44) | February 2016
- (45) 19/07/2016
- (11) 27630

(51)	Int. Cl. 8 B30B 9/30
(71)	1. GALAL SAID AHMED SHERRAH (EGPTY) 2.
	3.
(72)	1. GALAL SAID AHMED SHERRAH
( )	2.
	3.
(73)	1.
()	2.
(30)	1.
(00)	2.
	3.
(74)	
(12)	Patent

## (54) MULTI-PURPOSE MOBILE PRESS FOR PRESSING AND TRANSPORTING RUBBISH AND SOLID WASTES Patent Period Started From 26/05/2010 and Will end on 25/05/2030

(57) This invention is related to a multi-purpose mobile press for pressing and transporting rubbish, solid wastes and rice straw. The idea/theory of operation depends on the pressing & discharging pallets movement inside of the pressing box from outside. These pallets are connected by the heads of hydraulic pistons by metal pins that are moving inside longitudinal slots machined in the middle of both sides of the box. The end of the pressing box is open from the top and bottom to ease the pressing and discharging operations using a hydraulic crane or manual crane (blanco). The pistons and crane take their motion from a hydraulic unit mounted on the top of the box which, in turn, is operated by a diesel generator fixed next to it The press (invention) consists of (pressing box, its operation unit, diesel generator and crane) are mounted on the ded of a trailer & can be also pulled by an agricultural tractor. The importance and benefit of the invention is its multi-purpose and mobile form, and its ability to directly press large capacities of rubbish or solid wastes. (The pistons moved from outside the box directly).



PCT

- (22) 11/02/2013
- (21) 0222/2013
- (44) March 2016
- (45) 19/07/2016
- (11) 27631

(51)	Int. Cl. 8 B41F 1/100. 23/02
<b>(71)</b>	1. AHMED MMTAZ BAKRY AJJUR (EGYPT)
	2. 3.
<b>(72)</b>	1. AHMED MMTAZ BAKRY AJJUR
	2. 3.
(73)	1.
(30)	2. 1.
(30)	2.
	3.
<b>(74)</b>	
<b>(12)</b>	Patent

### (54) ISO PROPYL ALCOHOL FREE DAMPENING SOLUTION Patent Period Started From 11/02/2013 and Will end on 10/02/2033

(57) Dampening solution is an aqueous solution with a high ability to spread on the surface of the printing plate and it Desensitize the non-printing areas to expels inks which leads to a good printing quality degree agreed the next ingredients were to produce the desired solution and these components are DESENSITIZED Factor Gum Arabic Anti-corrosion factor magnesium nitrate Anti-growth factor vital potassium sorbate SUFFACTANT and anti foam agent sorbitol aciding agent and buffer solution will be a mixture of citric acid and sodium citrate.



PCT

- (22) 12/01/2010
- (21) 0062/2010
- (44) March 2016
- (45) 20/07/2016
- (11) 27632

(51)	Int. Cl. <sup>8</sup> G10D 13/08
(71)	1. THE GOVERNMENT OF TRINIDAD AND TOBAGO (TRINIDAD AND TOBAGO) 2. 3.
(72)	<ol> <li>COPELAND, Brian R.</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (TT) TT/A/2007/000172 - 12-07-2007 2. (PCT/TT2007/000001) - 13-07-2007 3.
(74)	MAHMOUD ELWALELY
(12)	Patent

### (54) THE G-PAN MUSICAL INSTRUMENT-INSTRUMENT DE MUSIQUE DE TAMBOUR G Patent Period Started From 13/07/2007 and Will end on 12/07/2027

(57) An ensemble of acoustic steelpan musical instruments, being an innovation which significantly improves upon traditional acoustic steelpan prior art. Said improvements include an extension of note range across the assemblage of G-Pans, a substantial reduction in the number of steelpans required to effectively cover the steelpan musical range, the use of a compound design whereby individual component parts of the instrument, specifically the playing surface, chime, rear attachment, or skirt and the playing stick or mallet, are optimized for thier specific function, the application of a variety of techniques for eliminating or reducing, non-musical sympathetic vibrations and the inclusion of a variety of mechanical and acoustic resonator designs, to enhance optimally, the sound projection of the aforementioned instrument.



**PCT** 

- (22) 14/05/2013
- (21) 0827/2013
- (44) March 2016
- (45) 20/07/2016
- (11) 27633

(51)	Int. Cl. 8 B66B 5/18, 5/20	
(71)	1. INVENTIO AG (SWITZERLAND) 2. 3.	
(72)	<ol> <li>LÉGERET, Benoît</li> <li>BIRRER, Eric</li> <li>JUNIG, Marcus</li> </ol>	4. ZIMMERLI, Philipp
(73)	1. 2.	
(30)	1. (EP) 10195791.8 - 17-12-2010 2. (PCT/EP2011/072275) – 09-12-2011 3.	
(74)	NAHED WADE REZK	
(12)	Patent	

### (54) ACTUATION OF AN INTERCEPTING APPARATUS Patent Period Started From 09/12/2011 and Will end on 08/12/2031

(57) In the case of this lift installation, a car contains an intercepting apparatus, which is arranged on the car and is intended for braking and securing the car as required on the guide rail or on a braking rail. The intercepting apparatus is connected to an arrangement for actuating the intercepting apparatus, it also being possible for this arrangement to actuate the intercepting apparatus. The arrangement for actuating the intercepting apparatus contains a driving body, which can be pressed, if required, against the lift shaft, preferably against the guide rail or braking rail, wherein the intercepting apparatus is actuated by relative movement between the intercepting apparatus and the driving body pressed against the lift shaft. The driving body contains, for this purpose, a curved driving surface, which is brought into engagement, if required, with the lift shaft or with the guide rail or braking rail.



PCT

- (22) 18/02/2013
- (21) 0267/2013
- (44) March 2016
- (45) 20/07/2016
- (11) 27634

(51)	Int. Cl. 8 A23F 3/14
(71)	1. UNILEVER PLC (UNITED KINGDOM)
	2.
	3.
<b>(72)</b>	1. BHOSLE, Balaji, Marotrao
()	2.
	3.
(73)	1.
( - )	2.
(30)	1. (IN)2369/MUM/2010 - 25-08-2010
(30)	2. (EP) 10187615.9 – 14-10-2010
	3. (PCT/EP2011/063899) – 12-08-2011
(74)	NAHED WADE REZK
<b>(12)</b>	Patent

### (54) A PROCESS FOR PREPARATION OF A TEA PRODUCT Patent Period Started From 12/08/2011 and Will end on 11/08/2031

(57) The present invention relates to a process of preparation of tea product. It particularly relates to process of preparation of black leaf tea. Addition of sugar-based additives to black leaf tea is known. Such partly presweetened tea are relatively low in cost. However, addition of sugarsolutions to black leaf tea or dust tea during processing results into a sticky mass with formation of lumps leading to wastage and loss of appearance. Furthermore, such coated teas, when brewed, result into infusion with relatively high haze value. It is therefore an object of the present invention to provide a tea product with sugar based additives which is less sticky and substantially free of lumps. Present inventors have surprisingly found that addition of monosaccharides leads to substantial reduction in the problem of stickiness and lump formation during processing and also results into a tea product that results into relatively less hazy infusion when brewed.



PCT

- (22) 18/08/2012
- (21) | 1403/2012
- (44) January 2016
- (45) 20/07/2016
- (11) 27635

7-45	Y . CI S TH CIZ FIAD 44 100F AR100
(51)	Int. Cl. 8 F16K 5/10, 11/087, 27/00
<b>(71)</b>	1. WORLDWIDE OILFIELD MACHINE, INC (UNITED STATES OF AMERICA)
(, 1)	2.
	3,
(72)	1. LANNING, William
(14)	2. MAKI, Robert
	3.
(73)	1.
	2.
(30)	1. (US) 61/319,342 - 31-03-2010
(00)	2. (US) 61/333,517 - 11-05-2010
	3. (US) 12/835,071 - 13-07-2010
	4. (PCT/US2011/023137) – 31-01-2011
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) VALVE STEM ASSEMBLY FOR ROTARY VALVE AND METHOD Patent Period Started From 31/01/2011 and Will end on 30/01/2031

(57) A valve body defines a valve stem opening. A valve stem comprises an enlarged portion greater than the valve stem opening to thereby secure the valve stem within the valve body by limiting radially outward movement of the valve stem with respect to the valve body. A rotary member comprise upper and lower bosses. Upper and lower split trunnions, with split components that can be inserted from opposite sides of the valve body, are used to rotationally support the upper and lower bosses to permit rotation of the rotary member while preventing axial movement of the axial flow path of the valve.



**PCT** 

- (22) 08/07/2012
- (21) 1227/2012
- (44) March 2016
- (45) 20/07/2016
- (11) 27636

(51)	Int. Cl. 8 A01G 9/02	
(71)	1. HAUTE ECOLE DU PAYSAGE, D INGENIERIE ET D ARCHITECTURE (HEPIA) 2. 3.	
(72)	<ol> <li>PERROULAZ, Robert</li> <li>DAUNE, Laurent</li> <li>MONGE, Nathalie</li> </ol>	KAUFMANN, Jacques
(73)	1. 2.	
(30)	1. (CH) 00035/10 - 13-01-2010 2. (PCT/IB2011/050152) - 13-01-2011 3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

### (54) SUBSTRATE HAVING A POROUS SURFACE FOR VEGETATION Patent Period Started From 13/01/2011 and Will end on 03/01/2031

(57) The invention relates to a module for revegetating surfaces, for example walls, said module including at least one porous surface including interconnected porosities (1), said porous surface allowing the circulation of water and air and being used for sowing plants and anchoring the roots of said plants in said porosities, said roots growing in a substrate (7) after having passed through said porosities.



PCT

- (22) 02/12/2012
- (21) 1991/2012
- (44) January 2016
- (45) 20/07/2016
- (11) 27637

(51)	Int. Cl. 8 F27D 15/02
(71)	1. MAGOTTEAUX INTERNATIONAL S.A. (BELGIUM) 2. 3.
(72)	<ol> <li>PIRARD, Regnier</li> <li>VIELVOYE, Christophe</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (BE) 2010/0339 - 03-06-2010 2. (PCT/EP2011/057320) - 06-05-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

(54)	GRID PLATE
	Patent Period Started From 06/05/2011 and Will end on 05/05/2031

(57) The present invention relates to a grid plate for the transporting and cooling of very hot materials leaving a furnace, said plate having cavities of rectangular shape, the largest dimension being perpendicular to the direction of advance of the materials, the cross section of these cavities being triangular with a fin-shaped bottom terminating in a turned-up end of reverse slope, the slope () of the cavities being between 10? and 45?, preferably between 20? and 30?, to the horizontal and the reverse slope () of the turned-up end making an angle equal to or up to 6? less than the angle of the slope of the cavities. The flow of material under gravity through the air injection slits is interrupted. Any contact of the material with the framework and with the mechanism of the equipment is avoided.



PCT

- (22) 08/04/2014
- (21) 0555/2014
- (44) January 2016
- (45) 20/07/2016
- (11) 27638

(51)	Int. Cl. 8 B26D 3/11
(01)	
(71)	1. J.R. SIMPLOT COMPANY (UNITED STATES OF AMERICA)
<b>(71)</b>	
	2.
	3.
(72)	1. WALKER, David, Bruce
()	2. NEEL, Allen, J.
	3.
(73)	1.
(,,,	2.
(30)	1. (US) 61/546,035 - 11-10-2011
(00)	2. (US) 61/661,278 - 18-06-2012
	3. (US) 13/647,319 - 08-10-2012
	(PCT/US2012/059465) – 10-10-2012
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) ROTARY KNIFE FIXTURE FOR CUTTING SPIRAL, TEXTURED POTATO PIECES

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

(57) A rotary knife fixture for cutting vegetable products such as raw potatoes into spiral shapes. The knife fixture includes a ring-shaped blade holder driven rotatably within a hydraulic product flow path. The blade holder includes at least one cutting blade, wherein the blade is twisted from a generally longitudinally aligned center axis outwardly in opposite circumferential directions with a sharpened leading edge set at a desired pitch angle. By controlling the pitch angle of the blade in relation to the blade rotational speed and velocity at which the potato travels along the hydraulic flow path, the resultant spiral cut shape is selected. By using multiple cutting blades at known axially spaced positions and selecting the angular position of each cutting blade in succession, the number of spiral shapes cut from each potato is selected. The blades can have a nontextured straight-cut edge, or a textured crinkle-cut edge, or a combination.



**PCT** 

- (22) 04/06/2012
- (21) 1007/2012
- (44) March 2016
- (45) |20/07/2016
- (11) 27639

(51)	Int. Cl. 8 A01N 31/08, 33/08, 35/02, 35/04, 43/80, 59/06 & A01P 1/00
(31)	
(71)	1. OMYA INTERNATIONAL AG (SWITZERLAND)
( - )	2.
	3.
(72)	1. DI MAIUTA, Nicola
` ′	2. SCHWARZENTRUBER, Patrick
	3.
<b>(73)</b>	1.
	2.
(30)	1. (EP) 09178228.4 - 07-12-2009
, ,	2. (US) 61/284,199 - 14-12-2009
	3. (EP) 10165674.2 - 11-06-2010
	(PCT/EP2010/068966) – 06-12-2010
<b>(74)</b>	SAMAR AHMED EL LABBAD
(12)	Patent

(54)	PROCESS FOR BACTERIAL STABILIZING OF AQUEOUS
	GROUND NATURAL CALCIUM CARBONATE AND/OR
	PRECIPITATED CALCIUM CARBONATE AND/OR DOLOMITE
	AND/OR SURFACE-REACTED CALCIUM CARBONATE-
	COMPRISING MINERAL PREPARATIONS

#### Patent Period Started From 06/12/2010 and Will end on 05/12/2030

(57) This invention discloses a process for stabilising an aqueous mineral preparation comprising a step of adding at least one aldehyde-containing and/or aldehyde-releasing and/or phenolic and/or isothiazoline biocide to said aqueous mineral preparation.



PCT

- (22) 15/01/2012
- (21) 1760/2012
- (44) **January 2016**
- (45) 20/07/2016
- (11) 27640

(51)	Int. Cl. 8 A61M 25/06, 5/32
(71)	1. POLY MEDICURE LIMITED (INDIA) 2. 3.
(72)	1. BAID, Rishi 2. 3.
(73)	1. 2.
(30)	1. (IN) 917/DEL/2010 IN - 16-04-2010 2. (PCT/IB2010/052239) – 02-05-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Utilty Model

(54)	CATHETER APPARATUS
	Patent Period Started From 20/05/2010 and Will end on 19/05/2017

(57) Catheter apparatus comprising: a catheter; a catheter hub having a distal section and a proximal section, wherein the distal section is joined to the catheter and the proximal section defines a chamber; a needle extending through the catheter hub and the catheter and defining an axial direction, wherein the needle has opposite proximal and distal ends, the distal end forming a needle tip; a needle hub attached to the proximal end of the needle; and a needle guard slidably arranged on the needle, wherein the needle guard is retained in the chamber of the catheter hub when the needle extends through the catheter hub and the catheter, and wherein the needle guard is removable from the catheter hub once the needle tip is received in the needle guard upon withdrawal of the needle from the catheter.



PCT

- (22) 12/09/2012
- (21) 2034/2012
- (44) January 2016
- (45) 20/07/2016
- (11) 27641

(51)	Int. Cl. <sup>8</sup> B65D 17/34
(71)	1. CROWN PACKAGING TECHNOLOGY, INC (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>FIELDS, Brian</li> <li>KEANE, Brendan</li> </ol>
(73)	1. 2.
(30)	1. (US) 12/796,972 - 09-06-2010 2. (PCT/US2011/038050) - 26-05-2011 3.
<b>(74)</b>	SAMAR AHMED EL LABBAD
(12)	Patent

(54)	FLAP SCORE VENTING OF CAN END		
	Patent Period Started From 26/05/2011 and Will end on 25/05/2031		

(57) A vent score lacks features to arrest score propagation. Rather encourages fast score propagation upon initial rupture. Venting is achieved through a flap configuration formed by the vent score.



PCT

- (22) 04/10/2011
- (21) 1663/2011
- (44) March 2016
- (45) 25/07/2016
- (11) 27642

(51)	Int. Cl. <sup>8</sup> C09D 11/02	
(71)	<ol> <li>SICPA HOLDING SA (SWITZERLAND)</li> <li>BANK OF CANADA (CANADA)</li> <li>3.</li> </ol>	
(72)	<ol> <li>KRUEGER, Jessica</li> <li>DEGOTT, Pierre</li> <li>DESPLAND, Claude-Alain</li> </ol>	4. REINHARD, Christine 5. FIRTH, Andrea V.
(73)	1. 2.	
(30)	1. (PCT/IB2009/005227) - 09-04-2009 2. (PCT/EP2010/054716) - 09-04-2010 3.	
<b>(74)</b>	NAHED WADE REZK	
<b>(12)</b>	Patent	

### (54) CLEAR MAGNETIC INTAGLIO PRINTING INK Patent Period Started From 09/04/2010 and Will end on 08/04/2030

(57) The invention discloses an ink for the engraved steel die printing process, having a viscosity at 40?C between 3 Pa.s to 15 Pa.s, preferably 5 to 10 Pa.s, and comprising a polymeric organic binder and magnetic pigment particle, characterized in that said magnetic pigment particles comprises a magnetic core material which is surrounded by at least one layer of another material. The surrounding layers, single or in combination, confer the pigment particle particular optical properties in the visible and/or in the near IR, chosen from high specular or diffuse reflectance, spectrally selective absorption or reflection, and angle-dependent absorption or reflection, and allow for the formulation of inks having a large gamut of color and other optical functionalities.



PCT

- (22) 19/10/2010
- (21) 1749/2010
- (44) April 2016
- (45) 25/07/2016
- (11) 27643

(51)	Int. Cl. 8 F01K 3/24, 13/02
(71)	1. NEM ENERGY B.V. (NETHERLANDS) 2. 3.
(72)	<ol> <li>ROP, Peter, Simon</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (USA) 61/046,948 - 22-04-2008 2. (PCT/NL2009/000097) - 20-04-2009 3.
<b>(74)</b>	NAHED WADE REZK
<b>(12)</b>	Patent

### (54) STEAM GENERATION SYSTEM HAVING A MAIN AND AUXILIARY STEAM GENERATOR Patent Period Started From 20/04/2009 and Will end on 19/04/2029

(57) The steam generation system according to the invention comprises a main steam generator and a back-up steam generator which are both in fluid communication with a super heater for superheating the generated steam. The superheater comprises a main heat source for heating up a flow of heating gas. A back-up evaporator is provided as a back-up steam generator for evaporating supplied water into steam. The back-up evaporator is connected in parallel to the main steam generator. An auxiliary heat source is provided for heating up the back-up evaporator. By controlling the auxiliary heat source, it is possible to supply more or less heat energy to the back-up evaporator to compensate for fluctuations in steam production of the main steam generator. The invention is characterized in that the back-up evaporator is positioned away from the flow of heating gasses departing from the main heat source.



PCT

- (22) 07/02/2012
- (21) 0208/2012
- (44) January 2016
- (45) 27/07/2016
- (11) 27644

(51)	Int. Cl. 8 F24F 1/00, 13/20, 13/22
(71)	1. SHARP KABUSHIKI KAISHA (JAPAN) 2. 3.
(72)	<ol> <li>UEHARA, Yuhji</li> <li>ITANI, Akihiro</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (JP) 2009-189819 - 19-08-2009 2. (PCT/JP2010/060949) - 28-06-2010 3.
(74)	GEORGE ABDUL AZIZ
(12)	Patent

### (54) WALL-HUNG AIR CONDITIONER Patent Period Started From 28/06/2010 and Will end on 27/06/2030

(57) A wall-hung air conditioner configured in such a manner that a fan can be removed and attached irrespective of the shape of a heat exchanger and without moving the heat exchanger. A wall-hung air conditioner is provided with a body which contains a fan, and also with a drain pan assembly. The drain pan assembly is provided with a blowing opening peripheral edge which forms a blowing opening for blowing air delivered by the fan, and also with a dew receiver, and the drain pan assembly is removably mounted to the body. An opening through which the fan is removed from the body is formed in the body. The drain pan assembly is mounted to the body in such a manner that the blowing opening faces the opening of the body. The blowing opening peripheral edge includes an upper wall which is disposed above the blowing opening, and also includes a blowing opening rear protrusion which is disposed below the blowing opening.



PCT

- (22) 15/03/2006
- (21) PCT/NA2006/000258
- (44) January 2016
- (45) 27/07/2016
- (11) 27645

(51)	Int. Cl. 8 B60H 3/06
(71)	1. SHARP KABUSHIKI KAISHA (JAPAN) 2. 3.
(72)	<ol> <li>YAMAMOTO, Akira</li> <li>GOTOH, Hidetoshi</li> <li>Wang and Akira</li> </ol>
(73)	1. 2.
(30)	1. (JP) 329690 /2003 - 22-09-2003 2. (PCT/JP2004/013543) - 16-09-2004 3.
<b>(74)</b>	GORGE AZIZ ABD ELMALEK
(12)	Patent

### (54) VEHICLE AIR PURIFYING DEVICE Patent Period Started From 19/09/2004 and Will end on 18/09/2024

(57) A vehicle air purifying device is provided with a main body internally having an ion generating device. This main body is removably installed in the seat space of a vehicle. For example, in the case where a beverage container holder is installed in a vehicle, making the main body in circular cylinder to fit in the beverage container holder enables the main body to be removably installed in the seat space of the vehicle. The power for driving the vehicle air purifying device can be taken from the cigarette lighter power source of the vehicle through a connection cord. Since the main body is installed directly in the seat space of the vehicle, it is possible to improve the efficiency of supplying ions generated by the internal ion generating device into the seat space. Further, since the main body is removably installed as a unit body in the seat space, even when a failure in the ion generating device or the like requires replacement, the installed ion generating device can be immediately removed to facilitate replacement.



PCT

- (22) 28/09/2011
- (21) 1631/2011
- (44) | March 2016
- (45) 27/07/2016
- (11) 27646

(51)	Int. Cl. 8 E21B 21/08, 21/10, 34/14	
(71)	1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA) 2. 3.	
(72)	1. GARCIA, Luis, A.	4. GAUDETTE, Sean, L.
()	2. CORONADO, Martin, P.	5. JOHNSON, Michael, H.
	3. PETERSON, Elmer, R.	
(73)	1. 2.	
(30)	1. (US) 12/417,346 - 02-04-2009	
(30)	2. (PCT/US2010/028284) – 23-03-2010	
	3.	
<b>(74)</b>	NAHED WADE REZK	
(12)	Patent	

### (54) ADJUSTABLE FLOW CONTROL DEVICES FOR USE IN HYDROCARBON PRODUCTION Patent Period Started From 23/03/2010 and Will end on 22/03/2030

(57) A flow control device may include a body having at least two flow paths configured to convey the fluid. The flow paths may be hydraulically isolated from one another in the body and at least one of the flow paths may be selectively occludable. In certain arrangements, a filtration element may be positioned upstream of one or more of the plurality of in-flow control devices. The flow paths may utilize features such as chamber and openings in order to impose a specified pressure drop on the fluid flowing there across.



PCT

- (22) 12/03/2012
- (21) 0435/2012
- (44) March 2016
- (45) 27/07/2016
- (11) 27647

(51)	Int. Cl. 8 E21B 43/04,43/08,33/12, 34/06	
(71)	1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA) 2. 3.	
(72)	<ol> <li>EDWARDS, Jeffry, S</li> <li>CORONADO, Martin, P</li> <li>KITZMAN, Jeffrey, D</li> </ol>	4. CLEM, Nicholas, J
(73)	1. 2010/08/25 2.	
(30)	1. (US) 12/562,893 - 18-09-2009 2. (PCT/US2010/046584) - 25-08-2010 3.	
(74)	NAHED WADE REZK	
(12)	Patent	

#### (54) FRACTURING AND GRAVEL PACKING TOOL WITH MULTI MOVEMENT WASH PIPE VALVE

#### Patent Period Started From 25/08/2010 and Will end on 24/08/2030

(57) A fracturing and gravel packing tool has features that prevent well swabbing when the tool is picked up with respect to a set isolation packer. An upper or jet valve allows switching between the squeeze and circulation positions without risk of closing the wash pipe valve. The wash pipe valve can only be closed with multiple movements in opposed direction that occur after a predetermined force is held for a finite time to allow movement that arms the wash pipe valve. The jet valve can prevent fluid loss to the formation when being set down whether the crossover tool is supported on the packer or on the smart collet.



PCT

- (22) 27/01/2010
- (21) 0143/2010
- (44) | February 2016
- (45) 27/07/2016
- (11) 27648

(51)	Int. Cl. 8 B01D 53/18, 53/50 & B01J 19/26, 19/30, 19/32
(71)	1. OUTOTEC OYJ (FINLAND) 2. 3.
(72)	<ol> <li>DAUM, Karl-Heinz</li> <li>RAUSER, Wolf-Christoph</li> <li>SCHALK, Wolfram</li> </ol>
(73)	1. 2.
(30)	1. (DE) 10 2007 035 639.2 - 27-07-2007 2. (PCT/EP2008/005668) - 11-07-2008 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) FLUID DISTRIBUTION SYSTEM-SYSTEME DE DISTRIBUTION DE FLUIDE

#### Patent Period Started From 11/07/2008 and Will end on 10/07/2028

(57) A system for distributing a fluid, for instance organic solvents, water, aqueous salt solution, lyes or acids, via a random packing or some other structured packing, in which the fluid trickles from the top to the bottom, preferably in countercurrent or cocurrent flow with a gas containing e.g. SO<sub>3</sub> or noxious substances, comprising at least one distributor element, from which the fluid is introduced via openings into a distributor channel such that below the openings a specified fluid level is obtained in the distributor channel, wherein fluid is discharged from the distributor channel via at least one outlet gap of specified width at the lower end of the distributor channel to the packing by means of a guide member, wherein the distributor member constitutes a pressure conduit, from which the fluid is discharged via nozzles into a basically closed, but ventable chamber of the distributor channel formed above the fluid level, in which a pressure corresponding to the pressure existing in the container accommodating the packing can be maintained.



PCT

- (22) 12/12/2010
- (21) 2094/2010
- (44) January 2016
- (45) 28/07/2016
- **(11)** | **27649**

(51)	Int. Cl. 8 C07C 1/20, 4/06 & B01J 37/28, 29/40	
(71)	1. TOTAL PETROCHEMICALS RESEARCH FELUY 2. 3.	
(72)	1. NESTERNKO, Nikolai 2. VERMEIREN, Walter 3. GRASSO, Giacomo	4. VAN DONK, Sander 5. GARCIA, Wolfgang
(73)	1. 2.	
(30)	1. (EP) 08158924.4 - 25-06-2008 2. (EP) 09154232,0 - 03-03-2009 3. (EP) 09154234,4 - 03-03-2009 (PCT/EP 2009/057889) - 24-06-2009	
(74)	SMAS	
(12)	Patent	

### PROCESS TO MAKE OLEFINS AND AROMATICS FROM ORGANICS

#### Patent Period Started From 24/06/2009 and Will end on 23/06/2029

The present invention relates to a process to make light olefins and aromatics, in a combined XTO-OC process, from an oxygen-containing, halogenide-containing or sulphur-containing organic feedstock comprising: a0) providing a first portion and a second portion of said oxygen-containing, halogenide-containing or sulphur-containing organic feedstock, a) providing a catalyst comprising zeolitic molecular sieves containing at least 10 membered ring pore openings or larger in their microporous structure, b) providing an XTO reaction zone, an OC reaction zone and a catalyst regeneration zone, said catalyst circulating in the three zones, such that at least a portion of the regenerated catalyst is passed to the OC reaction zone, at least a portion of the catalyst in the OC reaction zone is passed to the XTO reaction zone and at least a portion of the catalyst in the XTO reaction zone is passed to the regeneration zone; c) contacting the first portion of said oxygen-containing, halogenide- containing or sulphur-containing organic feedstock in the XTO reactor with the catalyst at conditions effective to convert at least a portion of the feedstock to form a XTO reactor effluent comprising light olefins and a heavy hydrocarbon fraction; d) separating said light olefins from said heavy hydrocarbon fraction; e) contacting said heavy hydrocarbon fraction and the second portion of said oxygen-containing, halogenide-containing or sulphur-containing organic feedstock in the OC reactor with the catalyst at conditions OF olefin partial pressure of from 1 to 5 bars (100 to 500 kpa) effective to convert at least a portion of said heavy hydrocarbon fraction and oxygen-containing, halogenidecontaining or sulphur-containing organic feedstock to light olefins and aromatics.

#### **Arab Republic of Egypt**

Ministry of State for Scientific Research Academy of Scientific Research & Technology



# GRANTED PATENTS' ABSTRACTS GAZETTE "PATENTS ISSUED IN AUGUST 2016"

#### **Egyptian Patent Office**

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( PATENT No. 27697)	(49)
( PATENT No. 27698)	(50)
( PATENT No. 27699)	(51)

#### **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

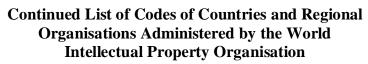
#### Bibliographic data

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



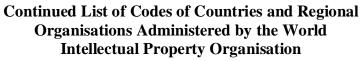
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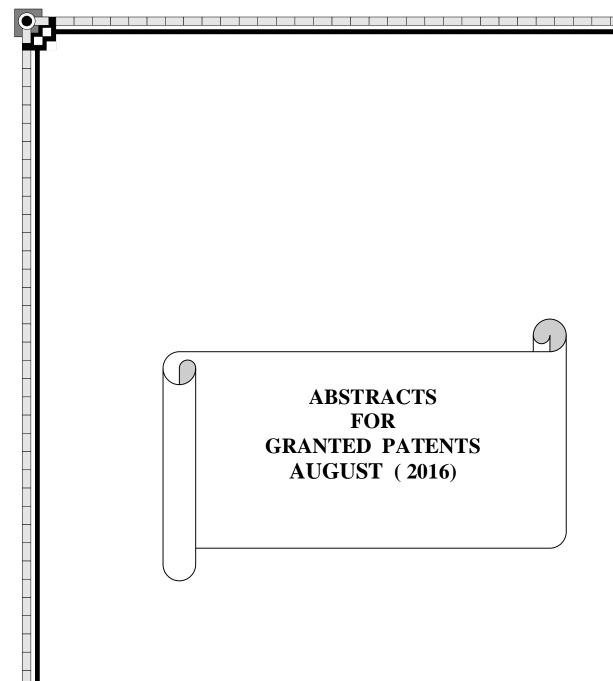
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RU	Russian Federation
RW	Rwanda
SA	Saudi Arabia



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TM	Turkmenistan
TN	Tunisia
TR	Turkey
TT	Trindad and Topago
TW	Taiwan
TZ	United Republic of Tanzania
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UG	Uganda
US	United States of America
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





PCT

- (22) 29/09/2011
- (21) 1644/2011
- (44) January 2016
- (45) 01/08/2016
- **(11)** | 27650

(51)	Int. Cl. <sup>8</sup> C04B 24/26	
(71)	<ol> <li>LAFARGE (France)</li> <li>CHRYSO (France)</li> <li>3.</li> </ol>	
(72)	1. RINALDI, David	4 MAITRASSE, Philippe
	2. NARANJO, Horacio	5. DESSEROIR, Alexandre
	3. MOSQUET, Martin	
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(30)	1. (FR) 0952101 - 01-04-2009	
	2. (PCT/FR2010/050611) – 31-03-2010	
	3.	
<b>(74)</b>	SHADY FAROUK MOBARK	
<b>(12)</b>	Patent	

### (54) VISCOSITY-REDUCING SUPER-PLASTICISING COPOLYMERS Patent Period Started From 31/03/2010 and Will end on 30/03/2030

(57) The invention mainly relates to the use of a polymer having a main chain essentially consisting of (meth) acrylic units and polyoxyalkylated sidechains containing statistically-distributed hydrophobic units as an adjuvant for lowering the viscosity of hydraulic compositions.



PCT

- (22) 25/06/2013
- (21) 1102/2013
- (44) January 2016
- (45) 01/08/2016
- (11) 27651

(51)	Int. Cl. 8 D06B 5/16
(71)	1. INNOVATION & RESEARCH S.R.L (ITALY) 2.
	3.
(72)	1. BELLINI, Giovanni
	2. 3.
(73)	1. 2.
(30)	1. (IT) MI2010A002407 – 27-12-2010
(= -)	2. (PCT/IB2011/055947) – 23-12-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) MACHINE AND PROCEDURE FOR THE DYEING OF REELS OF YARN AND/OR TEXTILE FIBRES WOUND ON PACKAGES Patent Period Started From 23/12/2011 and Will end on 22/12/2031

(57) This invention relates to a machine for the dyeing of reels of yarn and of textile fibres wound on packages. The machine comprises: a structure that delimits a chamber at least partially or fully filled with at least a dyeing fluid; support means, in particular at least one support plate, immersed in the dyeing fluid; a plurality of reel-holder rods that communicate via the fluid with the support means to allow the dyeing fluid to pass between the latter; recirculation means for the dyeing fluid associated with the structure to initiate the transit of the dyeing fluid in accordance with at least one set route. The recirculation means comprise an initial recirculation mechanism interposed between the chamber and the support plate to induce the dyeing fluid to pass through the reel-holder rods. The first recirculation mechanism comprises a pump and respective selection mechanisms to channel the dyeing fluid through the support means, the reel-holder rods and the respective reels, on an intermittent basis. The recirculation means comprise a second recirculation mechanism, to induce the transit of the dyeing fluid within the chamber in accordance with at least one closed route.



PCT

- (22) 12/09/2011
- (21) | 1511/2011
- (44) January 2016
- (45) |09/08/2016
- (11) 27652

(51)	Int. Cl. <sup>8</sup> F25J 1/02
(71)	1. LINDE AKTIENGESELLSCHAFT (GERMANY)
	2.
	3.
<b>(72)</b>	1. BAUER, Heinz
, ,	2. FRANKE, Hubert
	3.
(73)	1.
( - )	2.
(30)	1. (DE) 10 2009 018 248.9 - 21-04-2009
(30)	2. (PCT/EP2010/002326) – 15-04-2010
	3.
(74)	ABD ELHADI OFFICE
<b>(12)</b>	Patent

### (54) METHOD FOR LIQUEFYING A HYDROCARBON-RICH FRACTION Patent Period Started From 15/04/2010 and Will end on 14/04/2030

(57) A method for liquefying a hydrocarbon-rich fraction is described. According to the invention, the hydrocarbon-rich fraction is cooled and liquefied in an indirect heat exchange with the coolant mixture of a coolant mixture cycle, the hydrocarbon-rich fraction is cooled in an indirect heat exchange with the fully evaporated coolant mixture of the coolant mixture cycle, the compressed coolant mixture of the coolant mixture cycle is precooled using a pure-substance refrigeration cycle, and the composition of the coolant mixture and/or the final compressor pressure of the coolant mixture cycle is/are selected such that all of the coolant mixture is liquefied by the pure-substance refrigeration cycle.



PCT

- (22) 23/10/2011
- (21) 1770/2011
- (44) | February 2016
- (45) |09/08/2016
- (11) 27653

(51)	Int. Cl. <sup>8</sup> G06Q (20/00, 30/00)
(71)	1. SMK-LOGOMOTION (JAPAN) 2. 3.
(72)	<ol> <li>FLOREK, Miroslav</li> <li>MASARYK, Michal</li> <li>.</li> </ol>
(73)	1. 2.
(30)	1. (SK) 50024 – 2009 - 24-04-2009 2. (PCT/IB2010/051779) - 23-04-2010 3.
(74)	ABD ELHADI OFFICE
(12)	Patent

# (54) METHOD AND SYSTEM OF ELECTRONIC PAYMENT TRANSACTION, IN PARTICULAR BY USING CONTACTLESS PAYMENT MEANS Patent Paris & Stanta & France 22/04/2010 and Will and an 22/04/2020

#### Patent Period Started From 23/04/2010 and Will end on 22/04/2030

(57) A method of electronic payment transaction is characterized by the fact that during processing of one payment transaction, a communication link between the card and the terminal is interrupted and the ARPC answering file is received to the card after the original communication link is interrupted. Two phases are separated by a reset of the card where in the second phase initial payment data (ARQC) are used. Electronically signed ARQC payment file is stored in the card's memory for at least until the corresponding time ARPC answering file is of received and processed. The solution enables to place the mobile phone with a payment card near to the terminal's reader twice. The first time, a request for on-line authorization is generated and during the second touch the information from the payment processor is recorded into the payment application.



PCT

- (22) 05/06/2016
- (21) 0972/2013
- (44) January 2016
- (45) 09/08/2016
- (11) 27654

(51)	Int. Cl. 8 A44B 19/24, 19/00
(71)	1. 3M INNOVATIVE PROPERTIES COMPANY (UNITED STATES OF AMERICA)
` ′	2.
	3.
(72)	1. KIMURA, Shinji
	2. KONDO, Masato
	3. PERRON, Steven J
(73)	1.
( - )	2.
(30)	1. (US) 12/962,090 - 07-12-2010
()	2. (PCT/US2011/063682) 07-12-2011
	3.
(74)	ABD ELHADI OFFICE
(12)	Patent

### (54) FASTENING TAB AND METHOD OF MAKING THE SAME Patent Period Started From 07/12/2011 and Will end on 06/12/2031

(57) A fastening tab is provided having a substrate with a main portion, a user's end portion extending from the main portion, a primary mechanical fastening patch having a side edge coterminous with the side edge of the user's end portion of the substrate, and first and second auxiliary mechanical fastening patches on the main portion of the substrate. A method of making a fastening tab is also disclosed. The method includes attaching multiple discrete patches of mechanical fastener to a substrate web extending in the machine direction, cutting through the substrate web and the multiple patches of mechanical fastener in the machine direction with a continuous, meandering cut to provide two sub-webs, and optionally providing cross-web direction cuts through each sub-web to provide a plurality of fastening tabs. An absorbent article including the fastening tab and webs of fastening tabs are also included.



PCT

- (22) 16/12/2007
- (21) PCT/NA2007/001474
- (44) February 2016
- (45) 09/08/2016
- (11) 27655

(51)	Int. Cl. 8 G01D 5/353, 5/38
(71)	1. PRAD RESEARCH AMD DEVELOPMENT N.V. (NETHERLANDS)
(/1)	2,
	3.
(72)	1. CHEN, Yuehua
(,2)	2.
	3.
(73)	1,
(10)	2.
(30)	1. (GB) 0513615.5 - 02-07-2005
(50)	2. (PCT/GB2006/002241) - 20-06-2006
	3.
(74)	ABD ELHADI OFFICE
(12)	Patent

### (54) FIBER OPTIC TEMPERATURE AND PRESSURE SENSOR AND SYSTEM INCORPORATING SAME

#### Patent Period Started From 20/06/2006 and Will end on 19/06/2026

(57) A sensing system including a sensor having an enclosure that defines a chamber, a fiber optic segment extending from outside the enclosure into the chamber, and a sequence of optical processing elements within the chamber. The elements include a fiber Bragg grating, a polarizer, a side hole fiber, and a mirror. A light source is arranged to direct light to the sensor(s). A spectral analyzer is arranged to detect light reflected back from the sensor(s). The fiber Bragg grating substantially reflects a first spectral envelope while transmitting the remainder of the optical spectrum to the polarizer and side hole fiber. The polarizer, side hole fiber, and mirror cooperate to return an optical signal within a second spectra! Envelope. The characteristic wavelength of a peak in the first spectral envelope is highly sensitive to temperature and relatively weakly sensitive to pressure. The period of the optical signal within the second spectral envelope is highly sensitive to pressure and relatively weakly sensitive to temperature. The spectral analyzer measures these spectral components to simultaneously derive a measure of temperature and pressure that effectively compensates for temperature-pressure cross- sensitivity of the sensor (s).



PCT

- (22) 08/07/2012
- (21) 1223/2012
- (44) January 2016
- (45) 09/08/2016
- (11) 27656

(51)	Int. Cl. 8 A01N 43/90	
(71)	1. DOW AGROSCIENCES LLC (UNITED STATES OF AMERICA) 2. 3.	
(72)	<ol> <li>JOUSSEAUME, Christian</li> <li>CARRASCO CAMPOS, Salvador</li> <li>MANN, Richard</li> </ol>	4. SORRIBAS AMELA, Monica
(73)	1. 2.	
(30)	1. (US) 61/299,461 - 29-01-2010 2. (PCT/US2011/022686) - 27-01-2011 3.	
(74)	ABD ELHADI OFFICE	
(12)	Patent	

### (54) SYNERGISTIC HERBICIDAL COMPOSITION CONTAINING PENOXSULAM AND OXYFLUORFEN

#### Patent Period Started From 27/01/2011 and Will end on 26/01/2031

(57) Penoxsulam and oxyfluorfen synergistically control weeds in crops, especially perennial tree and vine crops, rice, cereal and grain crops, pastures, rangelands, IVM and turf. Such compositions provide improved pre-emergence residual and post-emergence burndown with residual herbicidal weed control.



PCT

- (22) 15/01/2012
- (21) 0079/2012
- (44) | March 2016
- (45) | 09/08/2016
- (11) 27657

(51)	Int. Cl. 8 E02F 5/32 & A01B 13/08
(71)	1. ARACAMA MARTINEZ DE LAHIDALGA, JAVIER (SPAIN) 2. 3.
(72)	1. ARACAMA MARTINEZ DE LAHIDALGA, , JAVIER 2. 3.
(73)	1. 2.
(30)	1. (ES) P 200930465 - 16-07-2009 2. (PCT/ES2010/070080) - 15-02-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) HYDRAULIC RIPPER FOR EXCAVATORS Patent Period Started From 15/02/2010 and Will end on 14/02/2030

(57) The invention relates to a hydraulic ripper for excavators used to break up and remove hard elements from the ground, such as stone, concrete, asphalt or similar elements, which includes a shank connected to the head of the excavator by means of a plurality of attachment elements and which includes at least one shank with an actuator means secured to a battery, wherein the assembly of the shank, the actuator means and the battery is secured to said shank and positioned on the longitudinal axis of the shank, and wherein said axis is the axis on which the ground is ripped between the retracted and extended positions of the shank.



PCT

- (22) 13/02/2013
- (21) 0243/2013
- (44) January 2016
- (45) 10/08/2016
- (11) 27658

(51)	Int. Cl. 8 A61F 2/04
(71)	1. SAMBUSSETI, Antonio (ITALY) 2. 3.
(72)	1. SAMBUSSETI, Antonio 2. 3.
(73)	1. 2.
(30)	1. (EP) 2011/018300 – 17-02-2011 2. (PCT/EP2010/060329) - 16-07-2010 3.
(74)	MAHMOUD RGAEY ELDEKY
(12)	Patent

(54)	REABSORBABLE CONCAVE PLATE (SCAFFOLD) FOR THE
	REPLACEMENT OF A PORTION OF BLADDER WALL
	FOLLOWING PARTIAL CYSTECTOMY

#### Patent Period Started From 16/07/2010 and Will end on 15/07/2030

(57) A concave dome-like plate is described for the replacement of a portion of bladder wall, following partial cystectomy, consisting of reabsorbable polymers derived from lactic acid.



PCT

- (22) 17/07/2012
- (21) 1265/2012
- (44) | February 2016
- (45) 10/08/2016
- (11) 27659

(51)	Int. Cl. 8 B32B 27/10 & B65D 65/40	
(71)	1. TETRA LAVAL HOLDINGS & FINANCE S.A (SWITZERLAND) 2. 3.	
(72)	<ol> <li>OHLSSON, Fredrik</li> <li>FORS, Emma</li> <li>PERSSON, Henrik</li> </ol>	4. HALL, Linda 5. GUSTAFSSON, Anna
(73)	1. 2.	
(30)	1. (SE) 1000056-0 - 20-01-2010 2. (PCT/EP2010/006012) - 01-10-2010 3.	
(74)	MAHMOUD RAGAY EL DEKKI	
(12)	Patent	

### (54) PACKAGING LAMINATE Patent Period Started From 01/10/2010 and Will end on 30/09/2030

(57) The invention relates to a packaging laminate for a cushion- shaped packaging container for liquid foods, e.g. milk. The packaging laminate has a core layer and outer, liquid-tight layers, as well as a layer serving as gas barrier between the core layer and one of the two outer liquid- tight layers. With a view to imparting to the cushion-shaped packaging container increased mechanical strength so that the packages may reliably be transported and handled without, or with substantially reduced risk of the occurrence of cracks and similar untightness in the flexible packaging walls, the packaging laminate has a load-absorbing film in contact with the gas barrier layer.



PCT

- (22) 20/05/2012
- (21) 0902/2012
- (44) January 2016
- (45) 10/08/2016
- **(11)** | **27660**

(=4)	T 4 CL 8 DCED FIGA FIGA FIRA	
(51)	Int. Cl. 8 B65D 5/02, 5/06, 5/74	
<b>(71)</b>	1. TETRA LAVAL HOLDINGS & FINANCE S.A. (SWITZERLAND)	
(, 1)	2.	
	3.	
(72)	1 DADDIEDI M. II	4. PUTZER, Siegrid
<b>(72)</b>	/	
	2. OLIVIERI, Alice	5. PERTUSI, Stefania
	3. NASSIF, Joyce	
(73)	1.	
(10)	2.	
(20)	1. (EP) 2011/154173 – 07-06-2010	
(30)		
	2. (PCT/EP2011/055385) – 06-04-2011	
	3.	
<b>(74)</b>	MAHMOUD RAGAEY ELDEKY	
(12)	Patent	

# (54) SEALED PACKAGE FOR POURABLE FOOD PRODUCTS AND PACKAGING MATERIAL FOR PRODUCING SEALED PACKAGES FOR POURABLE FOOD PRODUCTS Patent Period Started From 06/04/2011 and Will end on 05/04/2031

There is described a sealed package for pourable food products, comprising a quadrangular bottom panel which comprises a first front edge and a second rear edge opposite to each other; a quadrangular top panel which is opposite to bottom panel and comprises a third front edge and a fourth rear edge; a front panel which extends between first and third edges; and a rear panel which extends between second and fourth edges; the distance between first and third edges is smaller than the distance between second and fourth edges; top panel is angled with respect to a first plane defined by first and second edges; first and third edge define a second theoretical reference plane; front panel comprises a fifth and sixth edge which are opposite to one another and extend both between first and second edges; at least one of fifth and sixth front edge extends at least partially on the opposite side of a second theoretical plane with respect to rear panel; front panel comprises at least a first region which extends on the opposite side of a second theoretical plane with respect to rear panel.



PCT

- (22) 27/09/2011
- (21) 1625/2011
- (44) January 2016
- (45) 10/08/2016
- (11) 27661

(51)	Int. Cl. 8 C02F 3/32, 101/20
(71)	1. National research center (EGYPT)
	2. 3.
(72)	1. Medhat Ahmed Abdel Khalek Ibrahim
()	2. Hanan Sayed Abdel Rahman Ibrahim
	3. Nabila Mohamed Saleh Ammar
	4. Walid Ahmed Mosad El Hotaby
(73)	1.
` ′	2.
(30)	1.
	2.
	3.
<b>(74)</b>	MAGDA MUHASSEB ELSAYED
(12)	Patent

### (54) PREPARATION OF MICROSPHERES FROM DRIED WATER HYACINTH FOR REMOVING PB FROM INDUSTERIAL WASTEWATER

#### Patent Period Started From 27/09/2011 and Will end on 26/09/2031

(57) In this invention ( preparation of microspheres from dried water hyacinth for removing Pb from industrial wastewater ) water hyacinth is dried then grinded and prepared as suspension .chitosan dissolved in acetic acid is then mixed with the suspension , the mixture is pumped point by point into tri-sodium phosphate with constant flow rate . the produced microsphere is left 24 hours , microsphere was then washed and dried in order to remove Pb from industrial wastewater .



PCT

- (22) 10/09/2012
- (21) | 1452/2012
- (44) January 2016
- (45) 10/08/2016
- (11) 27662

(51)	Int. Cl. 8 C04B 38/00
(71)	1. NATIONAL RESEARCH CENTRE 2.
	3.
(72)	<ol> <li>Heba Abdallah Mohamed Abdallah</li> <li>Elham Abo Elfetouh Elzanati</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. 2. 3.
(74)	MAGDA MUHASSEB ELSAYED
(12)	Patent

### (54) METHOD FOR POLYMERIC HOLLOW RIBON MEMBRANES PREPARATION AND METHOD FOR CATALYSIS

#### Patent Period Started From 27/08/2012 and Will end on 26/08/2032

(57) The present invention relates to Method for polymeric hollow ribon membranes preparation and method for catalysis, where the membranes are prepared from polyethersulfone, then the membrane was grafted by the effect on it by (0.5-1N) dilute sulfuric acid, then the effect on the membrane using styrene/toluene solution (2-12 vol%) and finally the effect on the membrane again by (0.5-1N) dilute sulfuric acid to terminate grafting process. The esterification reaction was carried out on prepared catalytic hollow ribbon membrane, which provide reaction conversion 99% for ester production.



PCT

- (22) 16/05/2013
- (21) 0838/2013
- (44) | February 2016
- (45) 10/08/2016
- (11) 27663

(51)	Int. Cl. 8 E21B 37/06
(71)	1. AVANTUB SA DE CV (MEXICO) 2. 3.
(72)	<ol> <li>HAMMOND BRAVO, William, Anthony</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (MX)MX/a/2010/012619 - 19-11-2010 2. (PCT/IB2011/055187) – 18-11-2011 3.
(74)	MAHMOUD RAGAEY ELDEKY
(12)	Patent

# (54) ARTIFICIAL SYSTEM FOR SIMULTANEOUS PRODUCTION AND MAINTENANCE WITH MECHANICAL PUMPING WITH FLEXIBLE PIPE FOR FLUID EXTRACTION

#### Patent Period Started From 18/11/2011 and Will end on 17/11/2031

(57) The invention relates to an artificial system for simultaneous production and maintenance with mechanical pumping with flexible tubing for fluid extraction, which includes: a surface assembly that includes a sub-base, a hydraulic traction head, a stuffing box, an annular seal blowout preventer, a slip blowout preventer and a means for connecting and coupling; a production string extending vertically down into a well from the surface assembly; a well casing; a flexible pipe located inside the production string, extending the entire length thereof, the well casing, the production string and the flexible pipe remaining one inside the other concentrically; and a pumping assembly that includes a connector, a check valve, a cleaning tool and a stationary pump. The system enables production with a mechanical pump for the extraction of fluids, and maintenance by the simultaneous pumping of chemical products to said well to modify the physical properties of the fluid to be extracted and to clean the deposit of organic and inorganic material in the well.



PCT

- (22) 17/01/2011
- (21) 0108/2011
- (44) January 2016
- (45) 14/08/2016
- (11) 27664

(51)	Int. Cl. 8 B65D 47/18 & A61F 9/00	
(71)	1. LABORATOIRES THEA (FRANCE) 2. 3.	
(72)	<ol> <li>CHIBRET, Jean-Frédéric</li> <li>DEFEMME, Alain</li> <li>FAURIE, Michel</li> </ol>	4. MERCIER, Fabrice
(73)	1. 2.	
(30)	1. (FR) 08/04420 -31-07-2008 2. (PCT/IB2009/006420) - 31-07-2009 3.	
<b>(74)</b>	MAGDA HAROUN & NADIA SHEHATA HARO	UN
<b>(12)</b>	UTILITY MODEL	

# (54) BOTTLE FOR PACKAGING LIQUID THAT IS TO BE DISPENSED DROP BY DROP, WITH ANTIBACTERIAL PROTECTION

#### Patent Period Started From 31/07/2009 and Will end on 30/07/2016

(57) The present invention relates to a bottle for packaging a liquid to be distributed drop by drop comprising a reservoir the walls of which can be reversibly elastically deformed by letting air into the container, surmounted by a liquid dispensing head comprising a dropper nozzle protruding from the bottle and an anti-bacterial filter membrane, that is partially hydrophilic and partially hydrophobic, interposed across the path of the liquid and the air, at the base of the said nozzle. In the dispensing head, the proposal is to create the nozzle by itself out of a material containing a bactericidal agent that has the effect of preventing any bacterial growth on the surface of the said nozzle on the outside of the antibacterial membrane. A porous core is advantageously positioned inside the duct through which liquid is expelled and air is admitted.



PCT

- (22) 31/10/2012
- (21) 1838/2012
- (44) May 2016
- (45) 14/08/2016
- (11) 27665

(51)	Int. Cl. 8 E02B 15/04
(71)	1. ADEL MOHAMED SOBHY AKKAD (EGYPT)
	2.
	3.
(72)	1. ADEL MOHAMED SOBHY AKKAD
	2.
	3.
(73)	1.
. ,	2.
(30)	1.
( )	2.
	3.
<b>(74)</b>	
<b>(12)</b>	Patent

### (54) A COMBATING OIL POLLUTION ON WATER SURFACES Patent Period Started From 31/10/2012 and Will end on 30/10/2032

(57) This compound is designed to protect water surface from floating oil spots. This compound (tylomin) is composed of a mixture of (5 parts "by weigh" of plastic polystyrene "Styrofoam" and one part "by weigh" of plastic antishok with the follwing attributes: insoluble in water, non tylomin) toxic, bears heat up to 300, light in weigh (floats above water), one Kg of (tylomin) absorbs 20Kg of floating spots with thickness of 3mm within 5minutes. Floating spots can be treated by applying (tylomin) manually. Treatment produces light weigh, greenish blocks which float above water up to 100 days and can easily be removed.



PCT

- (22) 17/04/2013
- (21) 0656/2013
- (44) May 2016
- (45) 14/08/2016
- (11) 27666

(51)	Int. Cl. 8 A47K 7/02, 10/24
(71)	1. AMR MOHAMED MAHFOZ AHMED NADA (EGYPT) 2.
	3.
(72)	1. AMR MOHAMED MAHFOZ AHMED NADA
	2.
	3.
(73)	1.
()	2.
(30)	1.
(00)	2.
	3.
(74)	
<b>(12)</b>	Patent

#### (54) FIBER CLEANING FOR USE ONCE OR SEVERAL TIMES WITH WATER OR WITHOUT WATER

#### Patent Period Started From 17/04/2013 and Will end on 16/04/2033

Fiber cleaning for use once or several times with water or without water is composed of two layers of polyethylene or polypropylene between them a layer of cellulose ground or roller containing detergent and super absorbent polymer such as (poly sodium acrylate) in case if the user liquid detergent (if, however, the detergent powder are scattered inside the inner cellulose layer without the need for polymer in such a case can be made that the inner layer of cellulose sponges or natural or synthetic fibers) detergent fiber used in either liquid or powder and liquid disinfectant or either sterile or scented fiber is split formation pressure and heat or braid sectors so as not to charge the internal stranded when the client for fiber rub detergent to come out of them in the case of the use of the fiber without water: consists of fiber from two layers of polyethylene or polypropylene between them a layer of cellulose ground or roller is provided with selected from liquid detergent fluid or disinfectant or scented and be the top layer perforated only in and out of the fluid when the pressure on the fiber and is filled fiber in a layer of plastic and foil to prevent leakage fluid them and the production of the fiber are different shapes and sizes and different types depending on the type of fluid and detergent where there are the product is manufactured for use once or many times.



PCT

- (22) 25/02/2013
- (21) 0309/2013
- (44) May 2016
- (45) 15/08/2016
- **(11)** 27667

(51)	Int. Cl. 8 E02B 3/26
(71)	1. HAMDY ESAM MOHAMED MOKHTAR SOLIMAN (EGYPT) 2. 3.
(72)	1. HAMDY ESAM MOHAMED MOKHTAR SOLIMAN 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

- (54) A RESCUE SHIP COMPRISING SEPARATE OR JOINT PARTS WORKING AS A FLOATING DOCK OR A TRANSPORT VESSEL Patent Period Started From 25/02/2013 and Will end on 24/02/2033
- (57) The present invention is related to rescue ship comprising four main parts, working separately or jointly. Three parts of which work as tugboats for pushing/pulling. Fastening and supporting the fourth part. The fourth part is a floating dock that works as a submarine provided with cranes and loading equipment that can reach the sea depths. The said submarine is shaped as a large parallelogram. The loading surface thereof resembles a domino piece that can be laid flat on the water surface. Furthermore, the said submarine has u-shape upright sides arranged horizontally with an open towards the back. It has a back door that is hydraulically controlled for loading equipment and cranes.



PCT

- (22) 27/02/2011
- (21) 0321/2011
- (44) May 2016
- (45) 15/08/2016
- (11) 27668

(51)	Int. Cl. 8 C22C 47/10
(71)	1. HEBAA ELRAHMAN AHMED HAFEEZ (EGYPT) 2.
	3.
(72)	1. HEBAA ELRAHMAN AHMED HAFEEZ
	2. 3.
(73)	1.
(20)	2. 1.
(30)	2.
	3.
<b>(74)</b>	
<b>(12)</b>	Patent

#### (54) POURING LADLE AND METHOD FOR THE PREPARATION OF METAL MATRIX COMPOSITE

#### Patent Period Started From 27/02/2011 and Will end on 26/02/2031

(57) This invention related to pouring ladle and method for the preparation of metal matrix composite, the method is suitable for any matrix in liquid state the ladle consists of two parts first for mixing and sintering of additives the second part for impeding of additives into molten dry mix was prepared by addition od rock wool crushed mica carbon- fiber and other additives with continuous cooling and size sorting the design of the pouring ladle was modified to control temperature of the molten the mixing technique was designed to overcome didderence in density and viscosity between additives and molten the homogeneity of composite material was achieve and poured in molds the manufacturing parameters are function of type of matrix and percentages of additives.



PCT

- (22) 19/06/2011
- (21) 1012/2011
- (44) February 2016
- (45) 16/08/2016
- (11) 27669

(51)	Int. Cl. 8 E01F 15/00 & B28B 7/16
(71)	1. YAHIA AHMED ABED HALIM ABOUALQASEM (EGYPT) 2. 3.
(72)	1. YAHIA AHMED ABED HALIM ABOUALQASEM 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
<b>(74)</b>	
(12)	Patent

### (54) RUBBER BARRIERS CONTAINING COMPRESSED AIR Patent Period Started From 19/06/2011 and Will end on 18/06/2031

(57) Rubber cd by barriers and dashboards use in architectural concrete walanshaeat where the air is the key element in the controlling force in shaping and sizing soft concrete during pour depending on format to execute using the book and the air pressure inside the sacks of raw rubber.



PCT

- (22) 16/12/2013
- (21) 1916/2013
- (44) February 2016
- (45) 16/08/2016
- (11) 27670

(51)	Int. Cl. 8 B29C 63/06, 47/02 & F16L 13/02
(71)	1. SAIPEM S.P.A (ITALY)
	2.
	3.
(72)	1. BREGONZIO, Valerio
	2.
	3.
(73)	1.
()	2.
(30)	1. (IT) MI2011A001104 - 17-06-2011
(00)	2. (PCT/IB2012/052758) – 31-05-2012
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) METHOD AND DEVICE FOR APPLYING PROTECTIVE SHEETING OF POLYMER MATERIAL TO A PIPELINE Patent Period Started From 31/05/2012 and Will end on 30/05/2032

(57) A method of applying protective sheeting of polymer material to a pipeline, the method including the steps of advancing a carriage along an annular path extending about the longitudinal axis of the pipeline; extruding the protective sheeting on the carriage; winding the protective sheeting, as it is extruded, about a cutback on the pipeline; and plastifying the polymer material on board the carriage.



PCT

- (22) 19/01/2010
- (21) 0104/2010
- (44) March 2016
- (45) 16/08/2016
- (11) 27671

(51)	Int. Cl. 8 B32B 27/00 & B65D 65/40 & C23C 14/12, 14/20	
(71)	1. DSM IP ASSETS B.V. (NETHERLANDS) 2. BIOFILM S.A. (COLOMBIA)	
	3. APPLIED MATERIALS GMBH (GERMANY)	
(72)	1. JAHROMI, Shahab	4. SUZUKI, Hiroshi
(, -)	2. KROOSHOF, Gerardus, Johannes, Paulus	5. HOFFMANN, G.
	3. QUICENO GOMEZ, Alexandra Lorena	,
(73)	1.	
(10)	2.	
(30)	1. (EP) 07014273.2 - 20-07-2007	
(00)	2. (PCT/EP2008/005514) – 07-07-2008	
	3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

# (54) A LAMINATE AND COMPOSITE LAYER COMPRISING A SUBSTRATE AND A COATING, AND A PROCESS AND APPARATUS FOR PREPARATION THEREOF Patent Period Started From 07/07/2008 and Will end on 06/07/2028

(57) The invention relates to a laminate comprising two plastic films and in between a metal or metaloxide layer and a crystalline triazine layer, the laminate having a lamination strength of about 2 N/inch or more as measured in a 90 degree tensile testing at 30 mm/min. The invention further relates to a composite layer, comprising a metal or metal oxide, and a triazine layer comprising a triazine compound suitable for said laminate. The invention further relates to a process for the preparation of a composite layer, comprising the step of applying a triazine layer on a substrate with a metal or metal oxide layer by vapour deposition of the triazine compound, wherein the process comprises (a) applying to the metal or metal oxide layer a compound other than a triazine compound, (b) vapour depositing the triazine compound on the metal or metal oxide layer while the compound is at least in part in a liquid state.



PCT

- (22) 15/03/2012
- (21) 0462/2012
- (44) January 2016
- (45) 16/08/2016
- (11) 27672

(51)	Int. Cl. 8 C09K 5/04
(71)	1. E. I. DU PONT DE NEMOURS AND COMPANY (UNITED STATES OF AMERICA) 2. 3.
(72)	1. KONTOMARIS, Konstantinos 2. 3.
(73)	1. 2.
(30)	1. (US) 61/242,875 - 16-09-2009 2. (PCT/US2010/048944) – 15-09-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

#### (54) COMPOSITION COMPRISING CIS-1, 1, 1, 4, 4, 4-HEXAFLUORO-2-BUTENE AND TRANS-1, 2-DICHLOROETHYLENE, APPARATUS CONTAINING SAME AND METHODS OF PRODUCING COOLING THEREIN

#### Patent Period Started From 15/09/2010 and Will end on 14/09/2030

(57) Disclosed herein is an air conditioning or refrigeration apparatus, and in particular, a chiller apparatus containing a composition comprising 1,1,1,4,4,4-hexafluoro-2-butene and 1,2-dichloroethylene, wherein the 1,1,1,4,4,4-hexafluoro-2-butene is cis isomer or primarily cis isomer and wherein the 1,2-dichloroethylene is trans isomer or primarily trans isomer. These chillers may be flooded evaporators or direct expansion evaporators, which utilize centrifugal compressors. Also disclosed herein are methods for producing cooling comprising evaporating a composition comprising cis-1,1,1,4,4,4-hexafluoro-2-butene and trans-1,2-dichloroethylene in the vicinity of a body to be cooled. Also disclosed herein are compositions comprising cis-1,1,1,4,4,4-hexafluoro-2-butene and trans-1,2-dichloroethylene, wherein the cis-1,1,1,4,4,4-hexafluoro-2-butene is present at 50 to about 60 weight percent.



PCT

- (22) 10/05/2006
- (21) PCT/NA2006/000442
- (44) January 2016
- (45) 17/08/2016
- (11) 27673

(51)	Int. Cl. 8 A61K 9/16, 38/31	
(71)	1. NOVARTIS AG.(SWITZERLAND) 2. 3.	
(72)	<ol> <li>AHLHEIM, MARKUS</li> <li>Ausborn, Michael</li> <li>LAMBERT, Olivier</li> </ol>	4. RIEMENSCHNITTER,MARC
(73)	1. 2.	
(30)	1. (GB) 0326602.0 - 14-11-2003 2. (GB) 0406241.0 - 19-03-2004 3. (PCT/EP2004/0128) - 12-11-2004	
(74)	HODA AHMD ABD EL HADI	
(12)	Patent	

### (54) MICROPARTICLES COMPRISING SOMATOSTATIN ANALOGUES Patent Period Started From 12/11/2004 and Will end on 11/11/2024

(57) Disclosed are microparticles comprising a somatostation analogue embedded in a biocompatible pharmacologically acceptable polymer matrix for a long acting release and pharmaceutical composition such microparticles.



**PCT** 

- (22) 27/03/2013
- (21) 0511/2013
- (44) January 2016
- (45) 17/08/2016
- (11) 27674

(51)	Int. Cl. 8 E21B 33/038, 36/00, 43/013, 17/01, 7/08 & E02D 27/04	
(51)	Int. Ct. E21B 33/030, 30/00, 43/013, 17/01, 7/00 & E02B 27/04	
(71)	1. BP CORPORATION NORTH AMERICA INC. (UNITED STATES OF AMERICA)	
(, 1)	2.	
	3.	
(72)	1. SHILLING, Roy	5. SHILLING, Roy
()	2. KENNELLEY, Kevin	6. KENNELLEY, Kevin
	3. FRANKLIN, Robert, W.	7. FRANKLIN, Robert, W.
	4. CORSO, Vicki	8. CORSO, Vicki
(73)	1.	
( - )	2.	
(30)	1. (US) 61/392,443 - 12-10-2010	
(00)	2. (US) 61/392,899 - 13-10-2010	
	3. (US) 13/156,258 - 08-06-2011	
	(PCT/US2011/055693) - 11-10-2011	
(74)	HODA AHMD ABD EL HADI	
(12)	Patent	

### (54) MARINE SUBSEA ASSEMBLIES Patent Period Started From 11/10/2011 and Will end on 10/10/2031

(57) A lower riser assembly connects a riser to a seabed mooring and to a subsea hydrocarbon fluid source. The assembly includes sufficient intake ports to accommodate flow of hydrocarbons from the hydrocarbon fluid source, as well as optional flow assurance fluid. The upper end of the member has a profile suitable for fluidly connecting to the riser. The lower end of the member includes a connector suitable for connecting to the seabed mooring. An upper riser assembly connects the riser to a near-surface subsea buoyancy device and to a surface structure. The assembly includes sufficient outtake ports to accommodate flow of hydrocarbons from the riser through a subsea flexible conduit to the surface structure. The upper end of the member includes a connector for connecting to a subsea buoyancy device. The lower end of the member comprises a profile suitable for fluidly connecting to the riser.



PCT

- $(22) | 27/05/201\overline{2}$
- (21) 0949/2012
- (44) January 2016
- (45) 17/08/2016
- (11) 27675

(51)	Int. Cl. 8 F02C 9/00, 9/20, 9/34
(71)	1. NUOVO PIGNONE S.P. (ITALY)
	2. 3.
(50)	
<b>(72)</b>	1. BOTARELLI, Claudio
	2.
	3.
(73)	1.
	2.
(30)	1. (IT) CO2009A000055 - 27-11-2009
(00)	2. (PCT/EP2010/068334) – 26-11-2010
	3.
(74)	HODA AHMD ABD EL HADI
<b>(12)</b>	Patent

#### (54) EXHAUST TEMPERATURE BASED MODE CONTROL METHOD FOR GAS TURBINE AND GAS TURBINE

#### Patent Period Started From 26/11/2010 and Will end on 25/10/2030

(57) Gas turbine and method for controlling an operating point of the gas turbine that includes a compressor, a combustor and at least a turbine. The method includes calculating an exhaust temperature reference curve of the turbine as a function of a turbine pressure ratio; determining whether condition IGVmin +≤ IGV1≤ IGVset pointΔ IGVmax +Δ IGV2, and condition ttx ≥ ttxh + Δttx3, are true; and changing, if both conditions are true, a split fuel quantity from a first value to a second value or otherwise maintaining the first value, the first value characterizing a lean-lean steady state mode and the second value characterizing a premixed secondary mode of a premixed mode.



**PCT** 

- (22) 19/01/2014
- (21) |0063/2014
- (44) May 2016
- (45) 17/08/2016
- (11) 27676

(51)	Int. Cl. 8 C08F 216/02, 222/06, 2/38 & C11D 3/37	
(71)	<ol> <li>BASF SE (GERMANY)</li> <li>3.</li> </ol>	
(72)	<ol> <li>DETERING, JUrgen</li> <li>GADT, Torben</li> <li>NIED, Stephan</li> </ol>	4. KEMPTER, Andreas
(73)	1. 2.	
(30)	1. (DE) 11175022.0 - 22-07-2011 2. (PCT/EP2012/063499) – 10-07-2012 3.	
(74)	TAHA HANAFY MAHMOUD	
(12)	Patent	

#### **(54)** PROCESS FOR PRODUCING MALEIC ACID-ISOPRENOL **COPOLYMERS**

- Patent Period Started From 10/07/2012 and Will end on 09/07/2032 (57) The invention relates to a process for producing maleic acid-isoprenol
  - copolymers made of a) from 30 to 80% by weight of maleic acid,
  - b) from 5 to 60% by weight of isoprenol,
  - c) from 0 to 30% by weight of one or more other ethylenically unsaturated monomers,
  - By polymerizing maleic acid, isoprenol and optionally the other ethylenically unsaturated monomer in the presence of a redox-chemistry initiator and of a regulator at a temperature in the range from 10 to 80<sub>0</sub>C.



PCT

- (22) 29/08/2011
- (21) 1448/2011
- (44) | February 2016
- (45) 18/08/2016
- (11) 27677

(51)	Int. Cl. 8 A01N 25/28, 57/00, 57/16 & A01P 7/00
(71)	1. DOW AGROSCIENCES LLC (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>WILSON, Stephen.</li> <li>BOUCHER, Raymond</li> <li>WILSON, Stephen.</li> </ol>
(73)	1. 2.
(30)	1. (US) 157.339/61 - 04-03-2009 2. (PCT/US2010/025755) – 01-03-2010 3.
(74)	HODA AHMD ABD EL HADI
(12)	Patent

#### (54) Patent Period Started From 01/03/2010 and Will end on 28/02/2030 MICROENCAPSULATED INSECTICIDE FORMULATIONS

various microencapsulated insecticide formulations for the control of pests such as aphids and beet army worm these formulations exhibit excellent knockdown activity towards both chewing and non chewing pests as ld50 values for toxicity in female rats in the range of about 2.500mgkg-1 some of these formulations include a wall comprised of a polymer formed for example by an interfacial polycondensation of a water soluble monomer and a water insoluble monomer which at least partially surround an orangophosphate insecticide in some aspects the organophosphate in the microcapsule is chlorphyrifos the microcapsule have a diameterin the range of about 2 to about 25 micron and the wall has a thickness in the range of about 5 to about 25 nanometers.



PCT

- (22) 08/04/2014
- (21) 0559/2014
- (44) May 2016
- (45) 18/08/2016
- (11) 27678

(51)	Int. Cl. 8 C08L 27/06 & C08J 11/16	
(71)	<ol> <li>Egyptian Petroleum Research Institute (EGPYT)</li> <li>3.</li> </ol>	
(72)	<ol> <li>Mohamed Abd Al-Azim Hegazy</li> <li>Samy Mohamed Ahmed Ibrahim Shaban</li> <li>Samir Hosny Shafek Mahmoud</li> </ol>	<ul><li>4. Ahmed Ibrahim Mahmud Sayed Labena</li><li>5. Tamer Awad El-Sayed Ali</li><li>6. Ahmed Mohamed El-Sabagh</li></ul>
(73)	1. 2.	
(30)	1. 2. 3.	
(74)	Khalid ALI Abdul Zahir	
(12)	Patent	

# (54) A METHOD FOR CONVERSION OF CARCINOGENIC LIQUID-WASTES OF POLY VINYL CHLORIDE (PVC) INDUSTRY TO AN ENVIRONMENTALLY SAFE PRODUCT, ACT AS A CORROSION INHIBITOR FOR METALS IN AQUEOUS MEDIA AND AS A BIOCIDE FOR MICROORGANISMS

#### Patent Period Started From 08/04/2014 and Will end on 07/04/2034

(57) This patent related to a method for conversion of carcinogenic liquid-wastes of poly vinyl chloride (pvc) industry, to an environmentally safe product that act as a corrosion lnhibitor for metals in aqueous media and as a biocide for microorganisms. The conversion of carcinogenic liquid-wastes (insoluble in water), that produced as a wastes from poly vinyl chloride (pvc) process, was carried out via a safe method to a safe product (soluble in water). This conversion method was accomplished mainly to protect the environment and to produce a high economic value-product whichact as a corrosion inhibitor for metals, which in turn leads to solve the problems of metals corrosion in petroleum, petrochemical, refining, fertilizer, electricity, chemicals, mineral-salts production companies and others. It is also has been applied as a biocide for microbes such as bacteria and fungi which in turn used in the cooling towers of the petrochemical, refining, fertilizer companies and other.



PCT

- (22) 28/10/2013
- (21) 1662/2013
- (44) April 2016
- (45) 18/08/2016
- (11) 27679

(51)	Int. Cl. 8 C09D 5/10, 163/00	
(71)	<ol> <li>EGYPTIAN PETROLEUM RESEARCH INST</li> <li>3.</li> </ol>	TITUTE (EGPYT)
(72)	<ol> <li>ABD ELRAHMAN MOHAMED FADL</li> <li>AHMED MOHAMED ELSABAGH</li> <li>MAHMOUD IBRAHIM ABDOU</li> </ol>	4. MOHAMMED ATTIA MIGAHED
(73)	1. 2.	
(30)	1. 2. 3.	
<b>(74)</b>	Khalid ALI Abdul Zahir	
(12)	Patent	

### (54) METHOD OF PREPARATION EPOXY COATING FROM ILMENITE ORE TO PROTECT SURFACES FROM CORROSION Patent Period Started From 28/10/2013 and Will end on 27/10/2033

The present invention relates to a method of preparation epoxy coating to protect different surfaces from corrosion by using local ilmenite or (iron titanium oxide Fe<sup>+2</sup>Tio<sub>3</sub>) after processing it to the required particle size distribution (psd) instead of all inorganic solid contents from fillers and pigments by adding it after its processing according to international standards by different amount to epoxy resign of diglycedyle ether of bis phenol a at temperature 25° c and mixing it with thexotropin (penton base material) and definite amount of xylene organic solvent for 10 minutes by paint mixer with 5 horses power used for this purpose then, the above mixture is treated with isopropanol solvent for 5 minutes then, the last mixture is mixed with benzyle alchol and isobutanol mixture for 10 minutes until completely mixing for formation of three novolac formulations (B,C,D) and lotion (four) with out ore treatment with using isophorone diamine as curing agent for various epoxy coatings formulations (bases) after processing it for suitable purpose. Comparison between four lotions by using various paint tests for evaluation anew chemical and physical characteristics and electrochemical study by using two techniques viz. Eis and potentiodynamic polarization (tafel lines) also making (edx) and (sem) for coated sample with lotion b. Lotion b gives the best required results from it with titanic abnormal protective, mechanical, chemical and electrochemical characteristics from corrosion compared by another lotions.



PCT

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(22) 02/09/2013

(21) | 1384/2013

(44) May 2016

(45) 18/08/2016

(11) 27680

(51)	Int. Cl. 8 A62C 3/10
(71)	1. MUSTAFA SA'D HASSAN AL-NAHRAWY (EGYPT) 2. 3.
(72)	1. MUSTAFA SA'D HASSAN AL-NAHRAWY 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

### (54) A SYSTEM FOR EXTINGUISHING HUGE FIRES Patent Period Started From 02/09/2013 and Will end on 01/09/2033

(57) The present invention relates to a system for extinguishing huge fires.

The said system can be used for fires in high rise buildings as well as narrow streets.

The extinguishing system works at pressure that equals 16 bars;

it uses 50 m3 of extinguishing materials that are sufficient to extinguish huge fires. The pipe joints extend to 120 m.

The system is provided with multipurpose water gun, and a system for determining fire places.

It is provided with a camera recording system for recording places and areas of fires.

It is also provided with a system for cleaning the smoke after fire suppression as well as a cooling system.



PCT

- (22) 06/03/2006
- (21) 0222/2006
- (44) April 2016
- (45) 32/08/2016
- (11) 27681

(51)	Int. Cl. 8 C02F 1/48
(71)	1. Ahmad Mohammad El Bendary (EGYPT) 2.
	3.
(72)	1. Ahmad Mohammad El Bendary
	2. 3.
(73)	1.
(20)	2. 1. (PCT/EG2003/000001) – 09-08-2003
(30)	2.
	3.
(74)	
(12)	Patent

#### (54) DEVICE PRODUCING MAGNETICALLY ACTIVATED FUNGI INHIBITING SOLUTION

#### Patent Period Started From 08/09/2003 and Will end on 07/09/2023

(57) The present invention relotes to a device that exposes water during its rotation within the device to a succession of variable magnetic fields that form local electromagnetic fields on the surface of the water molecule clusters after sufficient time (5-7 days) it renders the treated water inhibitory to fuseerium fungus that causes dry rot of potato tubers.



PCT

- (22) 12/01/2010
- (21) 2020/2010
- (44) June 2016
- (45) 25/08/2016
- (11) 27682

(51)	Int. Cl. 8 B65G 53/04, 53/18, 53/60
(71)	1. GENERAL ELECTRIC TECHNOLOGY GMBH (SWITZERLAND) 2. 3.
(72)	1. BJARNO, Odd Edgar 2. 3.
(73)	1. 2.
(30)	1. (US) 61/059,031 - 05-06-2008 2. (US) 12/463,755 - 11-05-2009 3. (PCT/EP2009/056822) 03-06-2009
(74)	AMR MOFED KAMAL
(12)	Patent

### (54) A CONVEYOR FOR TRANSPORTING POWDER, AND A METHOD FOR CONVEYING POWDER Patent Period Started From 03/06/2009 and Will end on 02/06/2029

(57) A conveyor for transporting powder from an inlet point to at least one discharge point comprises a fluidized bed transport space and a fluidization gas supply space, the fluidized bed transport space being separated from the fluidization gas supply space by a gas permeable wall; a gas outlet for removing fluidization gas from the transport duct; means for separating dust from the removed fluidization gas; and means for returning the separated dust to the powder proximate the discharge point. In a preferred embodiment, the separated fines dust is returned to, and homogenized into, the powder in a lower portion of a cyclone, which is located at the discharge point



PCT

- (22) 19/08/2013
- (21) | 1321/2013
- (44) | February 2016
- (45) 25/08/2016
- (11) 27683

(51)	Int. Cl. 8 G01V 1/30
(71)	1. LANDMARK GRAPHICS CORPORATION (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>XIA, Fan</li> <li>REN, Yiqing</li> <li>JIN, Shengwen</li> </ol>
(73)	1. 2.
(30)	1. (US) 13/033,768 - 24-02-2011 2. (PCT/US2012/026243) – 23-02-2012 3.
(74)	NAHED WADIH RIZK
(12)	Patent

### (54) SENSITIVITY KERNEL-BASED MIGRATION VELOCITY ANALYSIS IN 3D ANISOTROPIC MEDIA Patent Period Started From 23/02/2012 and Will end on 22/02/2032

(57) Seismic imaging systems and methods that employ sensitivity kernel-based migration velocity analysis in 3D anisotropic media may demonstrate increased stability and accuracy. Survey data analysts employing the disclosed systems and methods are expected to provide better images of the subsurface and be better able to identify reservoirs and deposits for commercial exploitation. Certain embodiments migrate seismic survey data with an anisotropic velocity model to obtain common angle image gathers. These gathers are processed to obtain depth residuals along one or more horizons. Angle-domain sensitivity kernels are used to convert the depth residuals into velocity errors, which are then used to refine the velocity model. A user is then able to view a representation of the subsurface structure determined in part from the refined velocity model. Multiple iterations may be needed for the velocity model to converge. The velocity model may be a layered to have constant velocity values between formation boundaries.



PCT

- (22) 29/09/2013
- (21) | 1510/2013
- (44) January 2016
- (45) 25/08/2016
- (11) 27684

(51)	Int. Cl. 8 D01F 1/10 & D01D 5/08
(71)	<ol> <li>YOU, In Sik (REPUPLIC OF KOREA)</li> <li>SEOK, Myeong Ho (REPUPLIC OF KOREA)</li> <li>3.</li> </ol>
(72)	<ol> <li>YOU, In Sik</li> <li>SEOK, Myeong Ho</li> <li>Ween to the second second</li></ol>
(73)	1. 2.
(30)	1. (KR)10-2011-0029796 - 31-03-2011 2. (KR) 10-2012-0013558 - 10-02-2012 3. (PCT/KR2012/002323) 29-03-2012
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

#### (54) SYNTHETIC FIBER CONTAINING PLANT FATTY ACIDS, AND METHOD FOR MANUFACTURING SAME

#### Patent Period Started From 29/03/2012 and Will end on 28/03/2032

(57) The present invention relates to a synthetic fiber containing plant fatty acids and to a method for manufacturing same. The method for manufacturing the synthetic fiber according to the present invention involves enabling polymeric materials for forming a fiber to contain 0.1 to 10.0 wt % of plant fatty acids, and melt-spinning the polymeric materials using a conventional method. The synthetic fiber manufactured by the method of the present invention contains 0.01 to 10.0 wt % plant fatty acids, and emits the scent of a plant. Not only are the basic physical properties, such as strength and elongation, of the synthetic fiber manufactured by the method of the present invention superior to those of general synthetic fibers, but the bulkiness, expansion and contraction, whiteness, touch, hygroscopicity, dyeing properties, gloss properties, etc., thereof are significantly excellent. The synthetic fiber of the present invention exhibits antistatic performance and emits the scent of a plant, and therefore can be widely used as a material for high-quality clothing. [Index words] synthetic fiber, strength, elongation, gloss properties, plant fatty acids, appearance features.



PCT

- (22) 16/12/2012
- (21) 2067/2012
- (44) January 2016
- (45) 25/08/2016
- (11) 27685

(51)	Int. Cl. 8 E21B 28/00, 43/16, 43/00
(71)	1. IMPACT TECHNOLOGY SYSTEMS AS (NORWAY) 2.
	3.
(72)	1. PAULSEN, Jim-Viktor 2.
	3.
(73)	1.
,	2.
(30)	1. (EP) 10166302.9 - 17-06-2010
( )	2. (PCT/EB2011/059914) – 15-06-2011
	3.
<b>(74)</b>	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) METHOD EMPLOYING PRESSURE TRANSIENTS IN HYDROCARBON RECOVERY OPERATIONS Patent Period Started From 15/06/2011 and Will end on 14/06/2031

(57) The invention relates to methods to induce pressure transients in fluids for use in hydrocarbon recovery operations. The invention is further characterized by inducing the pressure transients in a fluid by a collision process. The collision process employs a moving object (103, 203, 303, 403) that collides outside the fluid with a body (102, 202, 302, 402) that is in contact with the fluid inside a partly enclosed space (101, 201, 301, 401). Furthermore, the pressure transients must be allowed to propagate in the fluid. The fluid may be one or more of the following group: primarily water, consolidation fluid, treatment fluid, cleaning fluid, drilling fluid, fracturing fluid and cement.



PCT

- (22) 27/05/2013
- (21) 0909/2013
- (44) May 2016
- (45) 28/08/2016
- (11) 27686

(51)	Int. Cl. 8 H02K 3/28
(71)	1. MOHAMED ESSAM ELDIN ADEL MONEM ABDEL RAHMAN (EGYPT) 2. 3.
(72)	1. MOHAMED ESSAM ELDIN ADEL MONEM ABDEL RAHMAN 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
<b>(74)</b>	
<b>(12)</b>	Patent

### (54) ELECTRIC GENERATOR WORKS WITH HEAT OF THE SUN Patent Period Started From 27/05/2013 and Will end on 26/05/2033

(57) Electric generator consists of several parts. The first one is the fresnel lens to assemble the rays of the sun and focus it on the larger piston on part ii (stirling engine) which consists of 2 pistons and wheel, one is larger than the other to push the movement of using the air inside and then stretch the air from the first piston to the second piston which works to cool hot air and resuming the movement of the steering wheel and also the wheel connected to electric generator which works to generate electric power using rubber wire and also connected with marsh which is connected to an external battery to use in the generation of initial movement stirling engine as in the graphic.



PCT

- (22) 27/05/2013
- (21) 0909/2013
- (44) May 2016
- (45) 28/08/2016
- (11) 27687

(51)	Int. Cl. 8 H02K 3/28
(71)	1. MOHAMED ESSAM ELDIN ADEL MONEM ABDEL RAHMAN (EGYPT) 2.
	3.
<b>(72)</b>	1. MOHAMED ESSAM ELDIN ADEL MONEM ABDEL RAHMAN
	2.
	3.
(73)	1.
	2.
(30)	1.
( /	2.
	3.
(74)	
(12)	Patent

### (54) ELECTRIC GENERATOR WORKS WITH HEAT OF THE SUN Patent Period Started From 27/05/2013 and Will end on 26/05/2033

(57) Electric generator consists of several parts. The first one is the fresnel lens to assemble the rays of the sun and focus it on the larger piston on part ii (stirling engine) which consists of 2 pistons and wheel, one is larger than the other to push the movement of using the air inside and then stretch the air from the first piston to the second piston which works to cool hot air and resuming the movement of the steering wheel and also the wheel connected to electric generator which works to generate electric power using rubber wire and also connected with marsh which is connected to an external battery to use in the generation of initial movement stirling engine as in the graphic.



PCT

- (22) 11/03/2008
- (21) 0422/2008
- (44) May 2016
- (45) 28/08/2016
- (11) 27688

(51)	Int. Cl. 8 D21C 1/00 & D21B 1/00
(71)	1. NATIONAL RESEARCH CENTER (EGYPT) 2.
(72)	1. PROF. DR. GLAL ABDEL MOEEN MAHMOUD NWAR 2. DR. MAHA MOHAMED AHMED IBRAHIM 3. DR. WALEED KHALED EL-ZAWAWY
(73)	1. 2.
(30)	1. 2. 3.
(74)	Potent
(12)	Patent

(54) PRODUCTION OF BLEACHED AND UNBLEACHED PULP FROM RICE STRAW AND OTHER AGRICULTURAL WASTES USING THE SOLAR ENERGY BY ECONOMIC AND ENVIRONMENTALLY FRIENDLY METHOD THAT CAN BE USED FOR DIFFERENT INDUSTRIAL PURPOSES (PAPER, BOARD, VISCOSE) AND THE UTILIZATION

#### Patent Period Started From 11/03/2008 and Will end on 10/03/2028

(57) Rice straw is produced through the world as a byproduct of rice cultivation. Egypt produces around 4 million tons of rice straw per year. Fields must be cleaned of straw to make way from the next corp. Field burning is fast, economical and removes disease organisms, but it also damage the land by killing useful microorganisms in the soil and thus increase amount of fertilizers needed for new growing seasons and is now tightly regulated. Smoke from burning rice straw in Egypt's Nile delta is reportedly damaging the Pyramids. The clouds of smoke have settled on the monuments, making the ancient stone brittle and crumbly. The smoke from the rice straw combustions is also a potential health hazard in humans because it could give rise to asthma and cancer. In this work we produces bleached and unbleached pulp from rice straw and other agricultural wastes by economic and environmentally friendly method using the solar energy. The resulting paper has a better properties compared to that produced by Rakta Company for Paper, in Alexandria. On the other hand, the lignin was isolated from the resulted black liquor and used as additive to be used in different industries such as rubber and plastics. This method can be used in the industrial sector and in the rural community. The method has been succeeded for other agricultural wastes, such as cotton stalk, banana plant, bagasse, and corn cob. The resulted pulp can be used in paper making, as well as paper board and viscose industry



**PCT** 

- (22) 15/08/2012
- (21) | 1410/2012
- (44) | February 2016
- (45) 29/08/2016
- (11) 27689

(51)	Int. Cl. <sup>8</sup> G02B 19/00 & H01L 31/052
(71)	1. ABENGOA SOLAR NEW TECHNOLOGIES, S.A (SPAIN)
	2. 3.
(72)	1. CAPARROS JIMENEZ, Sebastian
	2. ROWLEY DAVENPORT, Thomas Lewis
	3.
(73)	1.
	2.
(30)	1. (SE) P201030241 - 19-02-2010
	2. (PCT/ES2011/070065) – 02-02-2011
	3.
<b>(74)</b>	SAMAS CO
(12)	Patent

### (54) PHOTOVOLTAIC SOLAR CONCENTRATION SYSTEM Patent Period Started From02/02/2011 and Will end on 01/02/2031

(57) The invention relates to a photovoltaic solar concentration system comprising a fresnel concentrator lens with a constant facet thickness in a first region, specifically the central region of the lens, and a constant facet height in a second region, specifically the peripheral region of the lens, in order to maximise the optical efficiency of the lens, maintaining control over the typical aberrations of the system. The photovoltaic solar concentration system also comprises a secondary optical element having a circular inlet face with a convex curvature, a section for receiving a rim, and a pyramidal section, the cross-section changing shape from a circle into a square in the lower end where the photovoltaic receiver is received. Said system improves the optical and thermodynamic efficiency of existing systems, facilitates production and installation in the photovoltaic module, and reduces the production-related costs.



PCT

- (22) 22/08/2012
- (21) | 1427/2012
- (44) May 2016
- (45) 03/04/2016
- **(11)** | **27690**

(51)	Int. Cl. 8 G10H 1/08 & H03G3/00, 5/00 & G10L 21/00, 25/90, 25/18 & G10H 1/20
(71)	<ol> <li>FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN</li> <li>FORSCHUNG E.V. (GERMANY)</li> <li>3.</li> </ol>
(72)	1. DISCH, Sascha 2. 3.
(73)	1. 2.
(30)	1. (UE) 61/308,513 - 26-02-2010 2. (EP) 10175282.2 - 03-09-2010 3. (PCT/EP2011/052834) - 25-02-2011
(74)	NAHED WADIH RIZK
(12)	Patent

### (54) APPARATUS AND METHOD FOR MODIFYING AN AUDIO SIGNAL USING HARMONIC LOCKING

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

(57) An apparatus for modifying an audio signal comprises a filterbank processor, a fundamental determiner, an overtone determiner, a signal processor and a combiner. The filterbank processor generates a plurality of bandpass signals based on an audio signal and the fundamental determiner selects a bandpass signal of the plurality of bandpass signals to obtain a fundamental bandpass signal. Further, the overtone determiner identifies a bandpass signal of the plurality of bandpass signals fulfilling an overtone criterion regarding the selected fundamental bandpass signal to obtain an overtone bandpass signal associated to the selected fundamental bandpass signal. The signal processor modifies the selected fundamental bandpass signal based on a predefined modification target. Additionally, the signal processor modifies an identified overtone bandpass signal associated to the selected fundamental bandpass signal depending on the modification of the selected fundamental bandpass signal. Further, the combiner combines the plurality of bandpass signals to obtain a modified audio signal.



PCT

- (22) 08/05/2013
- (21) 0782/2013
- (44) May 2016
- (45) 30/08/2016
- (11) 27691

(51)	Int. Cl. 8 B66B 5/00	
(71)	1. INVENTIO AG (SWITZERLAND) 2. 3.	
(72)	1. PETER, André	5. SPIRGI, Erich
	2. AMMON, Urs	6. BOSSARD, Daniel
	3. POLIN, Urs	7. PERIC, Danilo
	4. EILINGER, Thomas	8. ALMADA, Enrique
(73)	1. 2.	
(30)	1. (EP) 10193737 03-12-2010	
(= 0)	2. (PCT/EP2011/071063) – 25-11-2011	
	3.	
(74)	NAHED WADE REZK	
(12)	Patent	

(54)	METHOD FOR OPERATING ELEVATORS	
	Patent Period Started From 25/11/2011 and Will end on 24/11/2031	

(57) A method for operating an elevator having a car driven by a motor and at least one brake to stop the car, the method comprising the steps of closing a brake, increasing a torque of the motor until the car moves and registering a value indicative of the motor torque at which the car) moves.



PCT

- (22) 27/02/2013
- (21) 0329/2013
- (44) May 2016
- (45) 03/04/2016
- (11) 27692

(51)	Int. Cl. 8 G01V 1/34
(71)	1. LANDMARK GRAPHICS CORPORATION (UNITED STATES OF AMERICA)
	2.
	3.
(72)	1. FINK, William L.
()	2.
	3.
(73)	1.
()	2.
(30)	1. (PCT/US2010/047530) – 01-09-2010
()	2.
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) METHOD AND SYSTEM OF PLOTTING VALUES INDICATIVE OF CHARACTERISTICS OF AN UNDERGROUND FORMATION Patent Period Started From 01/09/2010 and Will end on 31/08/2030

(57) Plotting values indicative of characteristics of an underground formation. At least some of the illustrative embodiments include: obtaining a plurality of values indicative of characteristics of an underground formation; and plotting the plurality of values on an output device of a computer system. The plotting may further include: plotting parallel to a first axis a first plurality of symbols where each symbol is indicative of a value of a characteristic of a first portion of the underground formation, location of the first plurality of symbols with respect to the first axis is indicative of a first parameter, and location of the first plurality of symbols with respect to a second axis is indicative of a second parameter distinct from the first parameter; and wherein location of at least one symbol with respect to the first axis is also indicative of a third parameter, different than the first and second parameters.

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



(22) 25/09/2013 (21) 1493/2013

(21) | 1493/2013

(44) May 2016

(45) 03/04/2016

**PCT** 

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(51)	Int. Cl. <sup>8</sup> C25B 1/16, 1/22, 5/00 & B01D 61/42
(71)	1. INDUSTRIE DE NORA S.P.A. (UNITED STATES OF AMERICA)
	2.
	3.
<b>(72)</b>	1. FAITA, Giuseppe
	2.
	3.
(73)	1,
` ′	2.
(30)	1. (IT) MI2011A000500 - 29-03-2011
( )	2. (PCT/EP2012/055455) – 28-03-2012
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) CELL FOR DEPOLARISED ELECTRODIALYSIS OF SALT SOLUTIONS Patent Period Started From 28/03/2012 and Will end on 27/03/2032

(57) The invention relates to a salt solution electrodialysis cell for production of the relevant acids and bases by means of a process with reduced or nil consumption of electrical energy. The cell comprises an anodic chamber fed with hydrogen and a cathodic chamber fed with oxygen or air, provided with the relevant gas-diffusion electrodes; the driving power of the electrodialysis process is given by the oxidation and reduction chemical potentials of hydrogen and oxygen fed to the two chambers.



PCT

- (22) 05/02/2013
- (21) 0191/2013
- (44) May 2016
- (45) 03/04/2016
- (11) 27694

(51)	Int. Cl. 8 C11D 17/00, 11/00, 17/04 & E03D 9/02
(71)	1. RE.LE.VI. S.P.A. (ITALA)
	2.
	3.
(72)	1. PAGANI, Fabio
	2.
	3.
(73)	1.
	2.
(30)	1. (IT) RE2010A000065 – 06-08-2010
(30)	2. (PCT/IB2011/001165) – 27-05-2011
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

(54)	A SANITARY AGENT
	Patent Period Started From 27/05/2011 and Will end on 26/05/2031

or semi-solid active body, including a treatment compound having at least an active element for treatment of the sanitary appliance and at least a non-ionic surfactant, characterised in that the treatment compound comprises at least an adhesive element derived from colophony resin, destined to realise adhesion of the active body to a wall of the sanitary appliance. In this way, good adhesion of the sanitary agent to the sanitary appliance to be treated is obtained, as well as an efficient hygienisation of the sanitary appliance, while at the same time it is not necessary to touch non-hygienic zones of the sanitary appliance (toilet bowl) with the hands in order to remove the residues of the sanitary agent at the end of its use phase.



PCT

- (22) 08/12/2012
- (21) | 1395/2012
- (44) May 2016
- (45) 03/04/2016
- (11) 27695

(51)	Int. Cl. 8 H05H 1/00 & C02F 1/00
(71)	1. ZOLEZZI-GARRETON, ALFREDO (CHILE) 2. 3.
(72)	<ol> <li>ZOLEZZI-GARRETON, Alfredo</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (US) 61/303,267 - 10-02-2010 2. (PCT/IB2011/000433) - 09-02-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) METHOD AND APPARATUS FOR APPLYING PLASMA PARTICLES TO A LIQUID AND FOR DISINFECTING WATER Patent Period Started From 09/02/2011 and Will end on 08/02/2031

(57) The invention provides a method and apparatus for creating plasma particles and applying the plasma particles to a liquid. Liquid feedstock (e.g., water and/or hydrocarbons mixed with biomass) is pumped through a pipeline; the single-phase stream is then transformed into a biphasic liquid-and-gas stream inside a chamber. The transformation is achieved by transitioning the stream from a high pressure zone to a lower-pressure zone. The pressure drop may occur when the stream further passes through a device for atomizing liquid. Inside the chamber, an electric field is generated with an intensity level that exceeds the threshold of breakdown voltage of the biphasic medium leading to a generation of a plasma state. Furthermore, the invention provides an energy-efficient highly adaptable and versatile method and apparatus for sanitizing water using plasma particles to inactivate biological agents contaminating water.



PCT

- (22) 17/07/2011
- (21) 1199/2011
- (44) May 2016
- (45) 03/04/2016
- (11) 27696

(F1)	Int. Cl. 8 C02F 1/20 & B01D 53/50, 53/77
(51)	Int. Cl. ° C02F 1/20 & B01D 53/50, 53/77
(71)	1. TSUKISHIMA KIKAI CO., LTD (JAPAN)
(/1/	2.
	3.
(72)	1. HONMA, Akihiro
()	2. MATSUMOTO, Norimichi
	3.
(73)	1.
	2.
(30)	1. (PCT/JP2009/0526) – 17-02-2009
()	2.
	3.
(74)	NAZEH AKHNOKH SADEK ELYAS
(12)	Patent

### (54) SYSTEM AND METHOD FOR TREATING WASTE WATER Patent Period Started From 17/02/2009 and Will end on 16/02/2029

(57) Provided is a wastewater treating system for suppressing the release of bad-smelling gases generated during an aeration treatment, into the atmosphere without enlarging the entire site area of wastewater treating facilities and the maintenance load on a bath structure. An aeration bath is constituted to have a front step portion and a rear step portion and the front step portion is covered at the top with a cover top. A wastewater feeding member feeds the wastewater to the vicinity of the bottom portion of the aeration bath , and the air is fed from an aeration blower to the inside of a feed pipe so that the air may be fed to the upper portion of the wastewater feeding member in the aeration bath . To the front step portion of the aeration bath, there is connected a sea water line for feeding sea water (sw) to the aeration bath. One end of a return pipe connected at the other end to an absorber is connected to the cover top mounted on the front step portion of the aeration bath, and a draft fan is arranged midway of the return pipe.



PCT

- (22) 25/06/2014
- (21) 1072/2014
- (44) May 2016
- (45) 13/04/2016
- (11) 27697

(51)	Int. Cl. 8 F04C 29/04 & F04B 39/06 & F04C 29/00
(71)	1. ABAC ARIA COMPRESSA S.P.A. (ITALY) 2. 3.
(72)	<ol> <li>PAGLIARIN, Alessandro</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (IT)TO2011A001214 - 27-12-2011 2. (PCT/IB2012/057615) - 21-12-2012 3.
<b>(74)</b>	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) AIR COMPRESSOR PROVIDED WITH BELT GUARD Patent Period Started From 21/12/2012 and Will end on 20/12/2032

(57) The air compressor comprises a reservoir, a pump unit, a motor, a transmission belt wound around a driving pulley torsionally coupled to a shaft of the motor and around a driven pulley torsionally coupled to a shaft of the pump unit, wherein the spokes of the driven pulley are shaped as fan blades, in such a manner that the driven pulley performs not only the function of transmitting torque to the shaft of the pump unit but also the function of cooling the pump unit. The compressor further comprises a belt guard which encloses the transmission belt, as well as the driving and driven pulleys. The belt guard is made as a cover and comprises a front wall, in which slits are provided for allowing air drawn from outside by the driven pulley acting as fan to pass therethrough, a side wall which encloses laterally the space around the transmission belt and around the driving and driven pulleys, and a rear wall which closes on the rear side the space around the transmission belt and around the driving and driven pulleysand has an opening for receiving the pump unit, in such a manner that air drawn from outside through the slits provided in the front wall of the belt guard is conveyed towards the pump unit. The rear wall of the belt guard is shaped so as to cover the pump unit by at least 30% of the depth of the pump unit.



PCT

(22) 08/01/2012

(21) | 0041/2012

(44) May 2016

(45) 13/04/2016

(11) 27698

(51)	Int. Cl. 8 C09K 8/52
(71)	1. HALLIBURTON ENERGY SERVICES, INC (UNITED STATES OF AMERICA) 2.
	3.
(72)	1. DUSTERHOFT, Ronald, G
	2. PENNO, Andrew, D
	3.
(73)	1.
` ′	2.
(30)	1. (US) 12/459,942 - 09-07-2009
( /	2. (PCT/GB2010/001312) – 08-07-2010
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

#### SELF HEALING FILTER-CAKE REMOVAL SYSTEM FOR OPEN **HOLE COMPLETIONS**

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

(57) The present invention relates to a method of degrading a filter cake in a subterranean formation comprising: contacting at least a portion of a filter cake with a filter cake degradation fluid comprising a relative permeability modifier; and allowing the filter cake to degrade. The present invention also relates to a method of treating a subterranean formation including providing a well bore that includes a filter cake on at least a portion of the well bore and contacting at least a portion of the filter cake with a filter cake degradation fluid comprising a relative permeability modifier. The method also includes allowing the relative permeability modifier to retain at least a portion of the filter cake degradation fluid in the well bore for a time sufficient to contact the filtercake and allowing the filter cake to degrade.



PCT

- (22) 05/08/2008
- (21) 1335 D1/2008
- (44) May 2016
- (45) 13/04/2016
- (11) 27699

(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.
(30)	2. 1. (US) 60/774.401 - 17-02-2006
	2. (PCT/US2007/003993) – 14-02-2007 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) A WEAR MEMBER FOR EXCAVATING EQUIPMENT INCLUDING A WEAR MEMBER, BASE AND A LOCK Patent Period Started From 14/02/2007 and Will end on 13/02/2027

(57) A wear member for excavating equipment including a wear member a base and a lock comprising a front end, a rear end, a socket opening for recieving a lock to releasably hold the wear member to the base.

#### **Arab Republic of Egypt**

Ministry of State for Scientific Research Academy of Scientific Research & Technology



# GRANTED PATENTS' ABSTRACTS GAZETTE "PATENTS ISSUED IN SEPTEMBER 2016"

#### **Egyptian Patent Office**

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( PATENT No. 27734)	(36)

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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

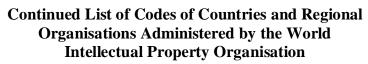
#### Bibliographic data

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



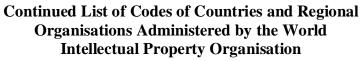
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IE	Ireland



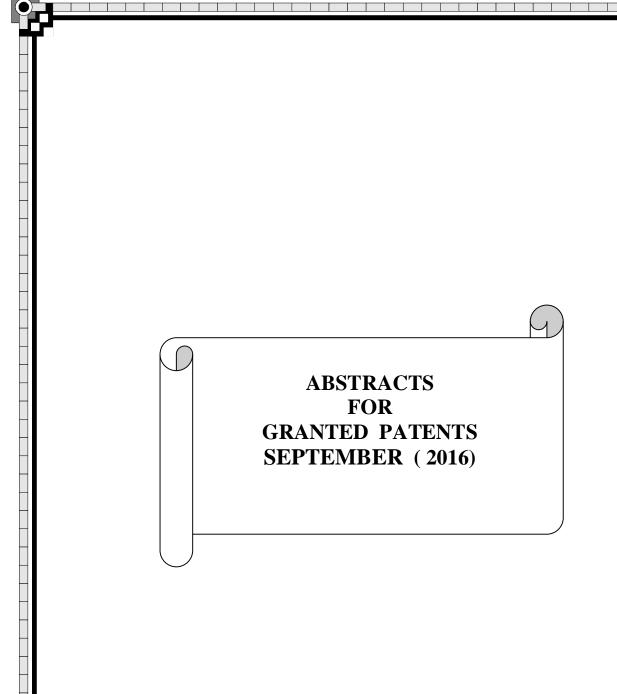
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RW	Rwanda
SA	Saudi Arabia



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TM	Turkmenistan
TN	Tunisia
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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





**PCT** 

(22) 29/01/2014

(21) 0135/2014

(44) May 2016

(45) |04/09/2016

**(11)** | **27700** 

(51)	Int. Cl. <sup>8</sup> E21B 34/10	
(71)	1. BAKER HUGHES INCORPORATED (UNIT 2. 3.	ED STATES OF AMERICA)
(72)	<ol> <li>SLOAN, James T.</li> <li>GARR, Ronald J.</li> <li>MCDANIEL, Robert</li> </ol>	4. HOPMANN, Don A. 5. SCHNEIDER, David E
(73)	1. 2.	
(30)	1. (US) 13/210.999 - 16-08-2011 2. (PCT/US2012/049439) - 03-08-2012 3.	
(74)	NAHED WADE REZK	
(12)	Patent	

### (54) TUBING PRESSURE INSENSITIVE PRESSURE COMPENSATED ACTUATOR FOR A DOWNHOLE TOOL AND METHOD

#### Patent Period Started From 03/08/2012 and Will end on 02/08/2032

(57) A tubing pressure insensitive, pressure compensated actuator system includes a housing having a bore therein. A force transmitter sealingly moveable within the bore. The force transmitter defining with the bore two fluid chambers. The two fluid chambers being in fluid communication with each other, one at each longitudinal end of the force transmitter. An activator in one or both of the two fluid chambers and operatively connected to the force transmitter. At least two seals sealingly positioned between the housing and the force transmitter. One of the seals disposed near one end of the force transmitter and another of the seals disposed near another end of the force transmitter. A separate compensation piston disposed in the housing so as to expose one end of the compensation piston to tubing pressure and to expose the other end of the compensation piston to a fluid volume including the fluid chambers. Also included is a method for reducing force requirements of an actuator.



**PCT** 

(22) 18/08/2009

(21) 1245/2009

(44) May 2016

(45) 05/09/2016

(11) 27701

(51)	Int. Cl. 8 D06B 19/00 & D06P 1/00
(71)	1. NATIONAL RESEARCH CENTER (EGYPT) 2.
	3.
(72)	1. MANAL M. EL ZAWAHRY
,	2. REDA M. EL-SHISHTAWY
	3. NAHED S.E. AHMED
	4. FATMMA ABDEL GHAFAR AFIFI HUSSIN
(73)	1.
, ,	2.
(30)	1.
( )	2.
	3.
(74)	Focal Point - NATIONAL RESEARCH CENTER (magda mohseb- amal yosef- mona mohamed
` /	fared
(12)	Utilty Model

### (54) EFFICIENT AND EASY METHOD FOR THE COLOURATION OF ACRYLIC FIBRES AND ITS BLENDS WITH REACTIVE AND ACID DYES

#### Patent Period Started From 18/08/2009 and Will end on 17/08/2016

(57) The production of anionic dyeable acrylic fibers and its natural blends containing amino and imino nitrogens that would impart antimicrobial activity suitable for medical textile, as well as affinity toward anionic dyes (reactive and acid) is of great interest as it would also widen the scope of colouration of this type of fiber and its blends with wool. For this purpose, a mild, easy and efficient method for acrylic fibre and its blends pretreatment in aqueous medium at nearly neutral ph using hydroxylamine hydrochloride salt in the presence of ammonium acetate is invented. A successful and viable colouration with anionic dyes of this fiber alone or blended has been discovered. For example union dyeing with reactive and acid dyes of wool/acrylic fiber blend with solid shade and with excellent to good fastness propertied has been produced. Since acrylic fiber is a less expensive alternative to wool due its similar feeling properties, we believe that this invention would inspire the production of anionic dyeable wool/acrylic, silk/acrylic and cellulosic/acrylic fibers suitable for garments and carpets.



**PCT** 

- (22) 25/02/2014
- (21) 0270/2014
- (44) May 2016
- (45) 06/09/2016
- (11) 27702

(51)	Int. Cl. 8 C07C 7/20 & C08F 2/40, 12/08
(71)	1. DORF KETAL CHEMICALS PRIVATE LIMITED (INDIA) 2.
	3.
<b>(72)</b>	1. SUBRAMANIYAM, Mahesh 2.
	3.
(73)	1. 2.
(30)	1. (IN) 2403/MUM/2011 - 26-08-2011
	2. (PCT/IN2012/00553) – 17-08-2012 3.
(74)	SMAS Intellectual Property
(12)	Patent

(54)	ADDITIVE COMPOSITION FOR CONTROL AND INHIBITION
	OF POLYMERIZATION OF STYRENE AND METHOD OF
	PREPARATION THEREOF
	Detail Devied Started From 17/09/2012 and Will and an 16/09/2022

Patent Period Started From 17/08/2012 and Will end on 16/08/2032

(57) The invention relates to additive composition for control and inhibition of polymerization of styrene, wherein the composition comprising amine and quinone methide, and wherein said amine is selected from the group comprising tri isopropanol amine (TIPA), propoxylated ethylene diamine (PED), triethanol amine (TEA), tributyl amine (TBA), diethanol amine (DEA), mono ethanol amine (MEA), and combination thereof.



**PCT** 

(22) 08/03/2010

(21) 0375/2010

(44) April 2016

(45) 06/09/2016

(11) 27703

(51)	Int. Cl. 8 G21C 19/46 & C01G 39/00 & G21F 9/12
(71)	1. MALLINCKRODT LLC. (UNITED STATES OF AMERICA)
	2.
	3.
(72)	1. BARBOSA, Luis, A.M.M.
	2.
	3.
(73)	1.
	2.
(30)	1. (GB) 0717612.6 - 10-09-2008
( )	2. (PCT/US2008/075759) – 10/09/2008
	3.
(74)	NAHED WADE REZK
<b>(12)</b>	Patent

#### (54) A COMPOSITION AND METHOD FOR THE SEPARATION OF POLYVALENT METAL SPECIES FROM IMPURITIES

#### Patent Period Started From 10/09/2008 and Will end on 09/09/2028

(57) The present invention relates to a solid composition comprising MnO<sub>2</sub>; and—a compound represented by the general formula (I), wherein: Ris a polymer; each (Y) is independently a hydrogen or a negative charge; (Z) is either hydrogen or is not present; each (n) is independently 1, 2, 3, 4, 5 or 6; wherein the MnO<sub>2</sub> is bound to the compound of formula (I) so as to coat the surface thereof.

$$(CH_{2})_{n}$$
— $COOY$ 

|

 $R$ — $(CH_{2})_{n}$ — $N$ — $Z$ 

|

 $(CH_{2})_{n}$ — $COOY$ 



**PCT** 

(22) 18/04/2011 (21) 0603/2011

(44) April 2016 (45) 06/09/2016

(11) 27704

(51)	Int. Cl. 8 H01L 31/048	
(71)	1. EVONIK ROHM GMBH (GERMANY) 2. 3.	
(72)	1. BATTENHAUSEN, Peter 2. BECKER, Ernst 3. SCHULTES, Klaus 4. STROHKARK, Sven	
(73)	1. 2.	
(30)	1. (DE) 2008 043 713.110 - 13-11-2008 2. (PCT/EP2009/063438) - 15-10-2009 3.	
(74)	NAHED WADE REZK	
(12)	Patent	

(54)	PRODUCTION OF SOLAR CELL MODULES
	Patent Period Started From 15/10/2009 and Will end on 14/10/2029

- (57) The invention relates to the use of:
  - a) at least one polyalkyl(meth)acrylate and;
  - b) at least one compound according to formula (I), where the groups R1 and R2 independently represent an alkyl or cycloalkyl group with 1 to 20 carbon atoms, for the production of solar cell modules, particularly for the production of light concentrators for solar cell modules.



PCT

(22) 14/11/2013

(21) 1748/2013

(44) April 2016

(45) 06/09/2016

**(11)** | 27705

(51)	Int. Cl. <sup>8</sup> C03/C 17/34
(71)	<ol> <li>Saint-Gobain Glass France (FRNCE)</li> <li>3.</li> </ol>
(72)	<ol> <li>CLABAU, Frederic</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (FR) 1154698 - 30-05-2011 2. (PCT/FR2012/051166) – 24-05-2012 3.
(74)	NAHED WADE REZK
(12)	Patent

(54)	ALKALI-BARRIER LAYER
	Patent Period Started From 24/05/2012 and Will end on 23/05/2032

(57) The invention relates to a glass panel which includes a glass substrate including, on at least one portion of the surface thereof, a stack of layers, including a layer forming a barrier to the migration of the ions contained in said substrate, in particular Na+ or K+ alkalis, said barrier layer being positioned in said stack between the surface of said substrate and at least one top layer conferring sun-blocking, low-emissivity, antireflective, photocatalytic, hydrophobic, and other functions upon said glass panel, said barrier layer essentially consisting of a silicon oxide or a silicon oxynitride, said glass panel being characterised in that said silicon oxide or oxynitride also includes one or more elements selected from the group consisting of Al, Ga, or B and in that the atomic ratio of Si/X is strictly lower than 92/8 in said barrier layer, X being the sum of the atomic contributions of said elements, i.e. Al, Ga, and B



**PCT** 

(22) 24/02/2013

(21) 0292/2013

(44) April 2016 (45) 06/09/2016

**(11)** | **27706** 

(51)	Int. Cl. 8 C08G 14/06 & C09J 161/34 & C03C 25/34 & C08K 5/053, 5/21 & F16L 59/00
(71)	<ol> <li>SAINT-GOBAIN ISOVER (FRNCE)</li> <li>MALLIER, JEANLOUIS (FRNCE)</li> <li>3.</li> </ol>
(72)	<ol> <li>RONCUZZI, Claudio</li> <li>DOUCE, Jerome</li> <li>RONCUZZI, Claudio</li> <li>MALLIER, Jean-Louis</li> </ol>
(73)	1. 2.
(30)	1. (FR) 1056803 - 27-08-2010 2. (PCT/FR2011/051969) - 26-08-2011 3.
(74)	NAHED WADE REZK
(12)	Patent

### (54) A COMPOSITION FOR PROCESSING MINERAL FIBERS WITH GLYCINE - COMPRISING MATERIAL INCLUDING PHENOLIC RESIN AND ITS PREPARATION PROCESS

#### Patent Period Started From 26/08/2011 and Will end on 25/08/2031

(57) The present invention relates to a liquid phenolic resin intended to be a component of a sizing composition for mineral fibers, which consists essentially of phenol-formaldehyde and phenol-formaldehyde-glycine condensates. The invention also relates to a method for manufacturing said resin, to the sizing composition containing the resin and to the mineral fiber insulating products sized by means of the above-mentioned sizing composition.



PCT

(22) 30/11/2011

(21) 2011/2014

(44) April 2016

(45) 06/09/2016

**(11) 27707** 

(51)	Int. Cl. 8 B01D 53/00	
(71)	1. ORTLOFF ENGINEERS, LTD. (UNITED STATES OF AMERICA)	
	2. S.M.E. PRODUCTS LP (UNITED STATES O	F AMERICA)
	3.	
<b>(72)</b>	1. JOHNKE, Andrew, F	4. LYNCH, Joe, T
	2. LEWIS, Larry, W	5. HUDSON, Hank, M
	3. WILKINSON, John, D	6. CUELLAR, Kyle, T
(73)	1. S.M.E. PRODUCTS LP (UNITED STATES (	OF AMERICA)
	2.	
(30)	1. (US) 12/689,616 - 19-01-2010	
(00)	2. (US) 61/186,361 - 11-06-2009	
	3. (PCT/US2010/026185) – 04-03-2010	
(74)	NAHED WADE REZK	
(12)	Patent	

#### (54) A PROCESS AND AN APPARATUS FOR HYDROCARBON GAS PROCESSING

#### Patent Period Started From 04/03/2010 and Will end on 03/03/2030

The present invention relates to a process and an apparatus for the recovery of C2 components, C3 components, and heavier hydrocarbon components from a hydrocarbon gas stream in a compact processing assembly. The gas stream is cooled and divided into first and second streams. The first stream is futher cooled to condense substantially all of it and is thereafter expanded to lower pressure and supplied as a feed between first and second absorbing means inside the processing assembly. The second stream is expanded to lower pressure and supplied as the bottom feed to the second absorbing means. A distillation vapor stream is collected from the upper region of the first absorbing meansand directed into one or more heat exchange means inside the processing assembly to heat it while cooling the gas stream and the first stream. The heated distillation vapor stream is compressed to higher pressure and divided into a volatile residue gas fraction and a compressed recycle stream. The compressed recycle stream is cooled to condense substantially all of it by the distillation vapor stream in the one or more heat exchange means inside the processing assembly, and is thereafter expanded to lower pressure and supplied as top feed to the first absorbing means. A distillation liguid stream is collected from the lower region of the second absorbing means and directed into a heat and mass transfer means inside the processing assembly to heat it and strip out its volatile components while cooling the gas stream. The quantities and temperatures of the feeds to the first and second absorbing means are effective to maintain the temperature of the upper region of the first absorbing means at a temperature whereby the major portions of the desired components are recovered in the stripped distillation liquid stream.

<b>Arab Republic of Egypt</b>
Ministry of State for Scientific Research
Academy of Scientific Research & Technology
<b>Egyptian Patent Office</b>



**PCT** 

(22)

06/01/2011

**(21)** 

0042/2011

**(44)** 

May 2016 08/09/2016

(45)(11)

27708

(51)	Int. Cl. 8 C04B 38/00
(71)	1. FRESH ELECTRIC FOR HOME APPLIANCES S.A.E (EGYPT) 2. 3.
(72)	<ol> <li>JOHN GAMAL NAGEH ARMANIOS</li> <li>MICHAEL MAGDY MAURICE TAWFIK</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. 2. 3.
(74)	Eman - Houda - Menna Yousef Mohamed Hafez
(12)	Patent

### (54) ELECTRIC WATER HEATER WITH CONTROL UNIT - SALVE TESTING WITH REMOTE CONTROL

#### Patent Period Started From 06/01/2011 and Will end on 05/01/2031

(57) The patients relates electrical water heater that's work with control unit that includes electronic thermostat (cut on - cut off) digital timer - digital clock - salve testing - remote control, also have modify safety mechanical thermostat and emergence light (led).



PCT

(22) 26/11/2008

(21) 1924/2008

(44) | February 2015

(45) 22/09/2016

**(11)** | **27709** 

(51)	Int. Cl. 8 F01P 7/14
(71)	1. EASAAM ABD ELRAOOF AHMAD (EGYPT) 2. 3.
(72)	1. EASAAM ABD ELRAOOF AHMAD 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
<b>(12)</b>	Patent

### (54) SAFETY DEVICE FOR DIESEL ENGINES DURING WEAK OR INTERRUPTION OF THE COOLING WATER

#### Patent Period Started From 26/11/2008 and Will end on 25/11/2028

(57) The present invention relates to a safety device for diesel engines, especially engines which working with the cooling water such as running irrigation pumps and ship engines during weak or interruption of the cooling water for the engine, which maintains the integrity of the engine. And installing the device at the fuel hose and has a link to the place of cooling water. The operation of the device based on the theory of the separation of the fuel for the engine during weak or interruption of the cooling water and through the column by the hole and below spring pressure water works and when interruption or poor water the spring expands and moves to the bottom of the column shall be cut off fuel passage and thus the engine stops running. It can by sensitive electrical circuit to give the light or ringing signal or as a statement of the engine to stop.



PCT

(22) 14/08/2011

(21) 1363/2011

(44) May 2016

(45) 08/09/2016

(11) 27710

(51)	Int. Cl. 8 C04B 22/08, 24/26, 28/02	
(71)	<ol> <li>LAFARGB (FRNCE)</li> <li>CHRYSO (FRNCE)</li> <li>3.</li> </ol>	
(72)	<ol> <li>SABIO, Serge</li> <li>RINALDI, David</li> <li>LAYE, Jean-Michel</li> <li>SGRO, Isabelle</li> </ol>	<ul><li>5. NARANJO, Horaci</li><li>6. PELLERIN, Bruno</li><li>7. BOUSTINGORRY, Pascal</li></ul>
(73)	1. 2.	
(30)	1. (FR) 09 00 706 - 17-02-2009 2. (PCT/IB2010/050694) - 16-02-2010 3.	
<b>(74)</b>	MAGDA HAROON, NADIA HAROON	
<b>(12)</b>	Patent	

(54)	FAST HYDRAULIC BINDER FOR PARTS AND	
	CONSTRUCTIONS MADE OF CONCRETE CONTAINING A	
	CALCIUM SALT	
	Patent Period Started From 16/02/2010 and Will end on 15/02/2030	

(57) The invention relates to a fast hydraulic binder that includes cement, at least a first super-plasticiser, a calcium salt and at least a second super-plasticiser. The second super-plasticiser is different from the first super-plasticiser and includes a main chain and pending groups connected to the main chain and adapted so as to leave the main chain in a basic medium, whereby the second super-plasticiser has a fluidifying action that increases at least temporarily with time in the basic medium.



**PCT** 

(22) 12/08/2012

(21) | 1398/2012

(44) June 2016

(45) 18/09/2016

(11) 27711

(51)	Int. Cl. 8 H01F 27/306
<b>(71)</b>	1. LOAI GALAL BAHGAT SALEM (EGYPT)
	2.
	3.
(72)	1. LOAI GALAL BAHGAT SALEM
	2.
	3.
(73)	1.
( - )	2.
(30)	1.
()	2.
	3.
(74)	Galal Bahgat El Shazly Salem
(12)	Patent

### (54) MODULAR SWITCHED-CAPACITOR VOLTAGE CONVERTER Patent Period Started From 12/08/2012 and Will end on 11/08/2032

A voltage converter that receives one or more of input (direct-current) DC voltages and generates one or more of output voltages at desired voltage conversion ratios. The voltage conversion ratio from the input voltage to the output voltage is selected based on the value of the input voltage and the required voltage by the supplied circuit. The converter includes a plurality of voltage conversion cells connected together to achieve the overall desired voltage conversion ratio. Each voltage conversion cell consists of a plurality of capacitors and a plurality of switches to create switched cell of certain voltage conversion ratio. Wherein, the switches of each voltage conversion cell are turned on and off in succession to transfer charge from the cell input to the cell output according to the frequency of a central control clock. These cells are combined together in series or in parallel in order to achieve the desired overall voltage conversion ratio from the individual voltage conversion ratios that are produced from each voltage conversion cell



PCT

- (22) 16/03/2010
- (21) 0416/2011
- (44) June 2016
- (45) 18/09/2016
- (11) 27712

(51)	Int. Cl. 8 B01D 53/048, & B01J, 20/34
(71)	1. INTERNATIONAL ENVIRONMENTAL RESEARCH & CONSULTANCY CENTRE
(, 1)	2. (United Arab Emirates )
	3.
(72)	1. GAMIL MOHAMMED HASSAN RADWAN
(12)	2.
	3.
(72)	1.
(73)	2.
(= 0)	
(30)	1.
	2.
	3.
<b>(74)</b>	
(12)	Patent

### (54) METHOD OF PREPARATION AND COMPOSITION OF A MIXTURE OF CHEMICALS IN THE CARBON DIOXIDE GAS ABSORPTION UNITS

#### Patent Period Started From 16/03/2010 and Will end on 15/03/2030

(57) The present invention relates to method of preparation and composition of a mixture of chemicals used in the carbon dioxide gas absorption units, the composition of the mixture of chemicals consists of seventy seven chemical compounds in the proportions specified for each of them. The method of preparation depends on the dissolving of its components in distilled in distilled water at a temperature of not less than 25°C and not more than 35°c. The resulting solution combines with carbon dioxide CO2 gas at a temperature of not less than 25°c and not more than 35°c. And under a pressure of at least 5.8 atmospheric pressure and exposed to ultra violet rays of a wavelength between 350 to 370 nanometer and a contact duration time of at least 9.3 hours. More than 95% of the carbon dioxide CO<sub>2</sub> gas will be faded and the products are oxygen gas O<sub>2</sub> and a proteinaceous material. Moreover the resulting solution will continue to interact with carbon dioxide which passes through it when a cheap compensation make-up solution is added. Which makes this invention contributes effectively, when used in the absorption units of carbon dioxide gas. In the mitigation of global earth warming.



PCT

- (22) 29/08/2007
- (21) 0923/2007
- (44) March 2016
- (45) 18/09/2016
- (11) 27713

(51)	Int. Cl. 8 C09K 5/04, 3/30 & C08J 9/14	
(71)	1. E.I.DUPONT DE NEMOURS AND COMPANY (UNITED STATES OF AMERICA) 2. 3.	
(72)	<ol> <li>MINOR, Barbara, Haviland</li> <li>RAO, Velliyur, Nott, Mallikarjuna</li> <li>BIVENS, Donald, Bernard</li> <li>PERTI, Deepak</li> </ol>	
(73)	1. 2.	
(30)	1. (US) 60/658.543 - 03-04-2005 2. (US) 60/710.439 - 23-08-2005 3. (US) 60/732.769 - 01-11-2005 4. (PCT/US2006/008164) - 02-03-2006	
(74)	SAMAR AHMED EL LABBAD	
<b>(12)</b>	Patent	

(54)	COMPOSITIONS COMPRISING 2,3,3,3 -	
	TETRAFLUOROPROPENE AND 1,1,1,2 -	
	TETRAFLUOROETHANE	
	Patent Period Started From 02/03/2006 and Will end on 01/03/2026	

(57) The present invention relates to compositions for use in refrigeration, air-conditioning, and heat pump systems wherein the composition comprises a fluoroolefin which is 2,3,3,3 – tetrafluoropropene (hfc-1234yf) and at least one other component which is 1,1,1,2 – tetrafluoroethane (134a). The compositions of the present invention are useful in processes for producing cooling or heat, as heat transfer fluids, foam blowing agents, aerosol propellants, and fire suppression and fire extinguishing agents.



PCT

- (22) 04/05/2014
- (21) 0718/2014
- (44) March 2016
- (45) 18/09/2016
- (11) 27714

(51)	Int. Cl. 8 F23D 14/08
(71)	1. SOMIPRESS - SOCIETA' METALLI INIETTATI S.P.A. (ITALY)
	2. 3.
(72)	1. QUINTABA', Andrea
	2. MANDOLESI, Andrea
	3. SERENELLINI, Paolo
	4. GIORGETTI, Gianluca
(73)	1.
(1-7)	2.
(30)	1. (AN) AN2011A000151 - 04-11-2011
(0 0)	2. (PCT/EP2012/071752) – 02-11-2012
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) A GAS BURNER WITH INWARD-FACING FLAME Patent Period Started From 02/11/2012 and Will end on 01/11/2032

(57) A gas burner with inward-facing flames is disclosed, comprising a base body disposed under a cooktop and a discoid lid disposed onto said base body. Said base body comprises a central chamber connected to a horizontal Venturi tube fed by a gas injector; a peripheral annular chamber and partitions defining apertures providing communication between the central chamber and the peripheral annular chamber. Said lid comprises a central dish disposed onto said central chamber of the base body, an intermediate toroidal portion disposed onto the partitions of the base body, and a flame ring disposed onto the peripheral annular chamber for propagation of flame inwards.



PCT

- (22) 12/02/2012
- (21) 0232/2012
- (44) March 2016
- (45) 18/09/2016
- (11) 27715

(51)	Int. Cl. 8 H04B 7/02
(71)	1. Panasonic CORPORORATION (JAPAN) 2. 3.
(72)	<ol> <li>PETROV, Mihail</li> <li>KIMURA, Tomohiro</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (EP) 09168370.6 - 21-08-2009 2. (PCT/JP2010/005078) -17-08-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) TRANSMISSION APPARATUS, RECEPTION APPARATUS, TRANSMISSION METHOD, RECEPTION METHOD, AND METHOD FOR GENERATING ROTATED MULTI - DIMENSIONAL CONSTELLATIONS

#### Patent Period Started From 17/08/2010 and Will end on 06/08/2030

(57) The present invention relates to digital data communication and provides an efficient method for generating multi - dimensional constellations for digital data modulation with a high degree of modulation diversity, a method for transmitting and receiving data on the basis of such constellations, and a corresponding apparatus. This is achieved by considering only multi - dimensional rotation matrices with all elements on the diagonal having the same first absolute value and all other elements having the same non-zero second absolute value. In this manner, multi - dimensional rotation matrices can be generated having only a single independent parameter and a structure that is as regular as possible. The independent parameter can be configured in order to minimize the error probability for various constellation sizes.



PCT

- (22) 04/04/2013
- (21) 0572/2013
- (44) April 2016
- (45) 19/09/2016
- **(11)** | **27716**

(51)	Int. Cl. 8 A41D 5/00, 31/02
(71)	1. AJLAN BEN ABDULAZIZ ALAJLAN & BROTHERS CO. (SAUDI ARABIA)
	2. 3.
<b>(72)</b>	1. MOHAMED BEN ABDULAZIZ BEN AJLAN ALAJLAN
	2.
	3.
(73)	1.
	2.
(30)	1.
	2.
	3.
(74)	SMAS
<b>(12)</b>	Patent

#### (54) FABRIC COMBINATION FOR THE MANUFACTURE OF LINED WINTER DRESS WITH FUR

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

(57) The present invention relates to a fabric combination for the manufacture of lined winter dress with fur, where the combination comprising of a layer of fur, a layer of winter fabric and a suitable adhesive joining them together, and is characterized by the following: the fur layer is 100% polyester fur; the winter fabric consists of polyester, rayon and cationic dyeable (CD) polyester fibers in form of yarns having a shrinkage ratio after washing corresponds to the shrinkage ratio of the fur; wherein the mixing ratio of the winter fabric components is: 39.4% polyester+ 35% rayon + 25.6% cationic dyeable (CD) polyester fibers. Where the adhesive material is butyl acrylate and viscose rayon is used. The invention also relates to a lined winter dress with fur manufactured from said combination; and made in a special way by adjusting the mixing ratio of filaments used in raw fabric yarns and processing by a specific thermal method to adjust the fabric specifications and the shrinkage ratio after laundering.



**PCT** 

(22) 12/02/2013

(21) 0230/2013

(44) April 2016

(45) 19/09/2016

(11) 27717

b.		
(51)	Int. Cl. <sup>8</sup> C02F 1/68	
(71)	1. OMYA DEVELOPMENT AG (SWITZERLAND) 2. 3.	
(72)	<ol> <li>SKOVBY, Michael</li> <li>POFFET, Martine</li> <li>BURI, Matthias</li> </ol>	BLUM, René, Vinzenz
(73)	1. 2.	
(30)	1. (EP) 10172771.7 - 13-08-2010 2. (US) 61/401,854 - 20-08-2010 3. (PCT/EP2011/063773) - 10-08-2011	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

### (54) MICRONIZED CACO<sub>3</sub> SLURRY INJECTION SYSTEM FOR THE REMINERALIZATION OF DESALINATED AND FRESH WATER Patent Period Started From 10/08/2011 and Will end on 09/08/2031

(57) The present invention concerns a process for treating water and the use of calcium carbonate in such a process. In particular, the present invention is directed to a process for remineralization of water comprising the steps of providing feed water, and injecting gaseous carbon dioxide and a slurry into the feed water, wherein the slurry comprises micronized calcium carbonate.



PCT

- (22) 07/04/2013
- (21) 0575/2013
- (44) May 2016
- (45) 19/09/2016
- (11) 27718

(51)	Int. Cl. 8 C10G 54/00,45/06 & C10M 101/02		
(71)	1. UOP LLC (UNITED STATES OF AMERICA) 2.		
	3.		
(72)	<ol> <li>ZINK,STEVEN,F</li> <li>KALNES,TOM</li> <li>VANWEES,MARK</li> </ol>		
(73)	1. 2.		
(30)	1. (US) 12/898,881 - 06-10-2010 2. (PCT/US2011/054697) – 04-10-2011 3.		
(74)	SAMAR AHMED EL LABBA		
(12)	Patent		

## PROCESS FOR IMPROVING A RE-REFINED LUBE OIL STREAM Patent Period Started From 04/10/2011end on 03/10/2031

(57) Embodiments of a process for improving a re-refined lube oil stream are provided. The process comprises the steps of introducing a gas stream comprising hydrogen (H<sub>2</sub>) and the re-refined lube oil stream comprising hydroprocessed used lube oil to a hydrogenation reactor that contain Group VIII catalyst. A gas to oil feed ratio rate of 30 to 100 N m<sup>3</sup> H<sub>2</sub>/m<sup>3</sup> is used to introduce the streams to the reactor. The hydroprocessed used lube oil is hydrogenated with the H<sub>2</sub> in the reactor such that an effluent is formed containing hydrogenated re-refined lube oil having 2 wt.% or less of aromatics and 55 wt.% or less of naphthenes. The reactor is operating at a temperature of 250 to 300°C.



PCT

- (22) 14/05/2014
- (21) 0778/2014
- (44) April 2016
- (45) 19/09/2016
- (11) 27719

(51)	Int. Cl. 8 A44C 21/00 & B23P 15/00 & B21C 51/00
(71)	<ol> <li>FaBRICA NACIONAL DE MONEDA Y TIMBRE - REAL CASA DE AL MONEDA</li> <li>(SPAIN)</li> <li>3.</li> </ol>
(72)	<ol> <li>ZAMORANO DE BLAS, Julian</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (EP) 11382355.3 - 18-11-2011 2. (PCT/EP2012/072809) – 16-11-2012 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) OBJECT COMPRISING A REGION OF ITS SURFACE SUITABLE FOR SHOWING A PLURALITY OF IMAGES

#### Patent Period Started From 16/11/2012 and Will end on 15/11/2032

(57) The present invention relates to an object comprising a region of its surface suitable for showing a plurality of images. Each of these images is observable from a different direction such that upon observing one of the images the other images stop being observable and do not interfere in the viewing of the observed image. The configuration which allows generating the region of surfaces suitable for showing the plurality of images allows for mass production by means of stamping or minting techniques and complicates the reproduction by unauthorized manufacturers. A method which allows obtaining the object having a region suitable for showing a plurality of images is also an object of the present invention.



PCT

- (22) 26/03/2014
- (21) 0481/2014
- (44) May 2016
- (45) 19/09/2016
- (11) 27720

(51)	Int. Cl. 8 F03D 1/06
(71)	1. ENEL GREEN POWER S.P.A (ITALY)
	2. 3.
<b>(72)</b>	1. LA PEGNA, Luigi
, ,	2. PIANO, Renzo
	3.
(73)	1.
	2.
(30)	1. (IT) RM2011A000517 - 30-09-2011
(00)	2. (US) 61/548,078 - 17-10-2011
	3. (PCT/EP2012/069200) – 28-09-2012
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) BLADE FOR WIND TURBINE AND METHOD OF ASSEMBLY OF THE BLADE

#### Patent Period Started From 28/09/2012 and Will end on 27/09/2032

- (57) It is described a blade for a wind turbine for converting wind energy into electric energy, comprising:
  - a blade structure longitudinally extending along a blade axis (X1) and comprising a blade tip, an opposite blade root, a longitudinal leading edge portion and a longitudinal trailing edge portion which are extended between the blade root and the blade tip; and
  - an outer aerodynamic shell defining an airfoil including an airfoil leading edge, an airfoil trailing edge and an airfoil suction side and an airfoil pressure side between said airfoil leading and trailing edges. The outer aerodynamic shell comprises a suction side panel and a pressure side panel which are made from a transparent material and are fastened to the blade structure so as to define the airfoil suction side and the airfoil pressure side, respectively, wherein said blade comprises a transparent region between said transparent panels and wherein said transparent panels are arranged facing one another so that it is possible to see through the blade looking through said transparent panels and said transparent region. A method for assembling the blade is also described.



PCT

- (22) 09/10/2011
- (21) 1687/2011
- (44) April 2016
- (45) 19/09/2016
- (11) 27721

(51)	Int. Cl. 8 C07D 233/42
(71)	1. PETROLIAM NASIONAL BERHAD (PETRONAS) (MALAYSIA)
	2. 3.
<b>(72)</b>	1. ROGERS, Robin, Don
()	2. HOLBREY, John
	3. RODRIGUEZ, Hector
(73)	1.
(13)	2.
(30)	1. (GB) 0905895.9 - 06-04-2009
(50)	2. (PCT/GB2010/050550) - 30-03-2010
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) PROCESS FOR THE PREPARATION OF CHALCOGENE COMPOUNDS Patent Period Started From 30/03/2010 and Will end on 29/03/2030

(57) The present invention is a novel process for the preparation of chalcogenone compounds by conversion of ionic liquids and salts comprising itrogen-containing heterocyclic cations and basic anions to the corresponding nitrogen-containing heterocyclic chalcogenones by reaction with elemental chalcogens.



**PCT** 

- (22) 11/12/2011
- (21) 2074/2011
- (44) May 2016
- (45) 19/09/2016
- (11) 27722

(51)	Int. Cl. 8 B01D 5/00
(71)	1. MCKAY, N. Wayne (CANADA)
(, =)	2. MADDOCKS, James (CANADA)
	3.
(72)	1. MCKAY, N. Wayne
	2. MADDOCKS, James
	3.
(73)	1.
. ,	2.
(30)	1. (US) 61/255,101 - 13-07-2009
( )	2. (PCT/CA2010/001087) – 12-07-2010
	3.
<b>(74)</b>	SAMAR AHMED EL LABBAD
(12)	Patent

#### (54)PROCESS FOR REMOVING CONDENSABLE COMPONENTS FROM A FLUID Patent Period Started From 12/07/2010 and Will end on 11/07/2030

(57) A protocol for removing condensables from a fluid. The fluid, as an example an acid gas stream captured for EOR or CCS purposes, is initially treated to condense liquids with removal to form a gas stream. The latter is then compressed and cooled. At least a portion of this is then expanded, to form a cooled low pressure stream, and mixed with the initial fluid stream to augment cooling and condensation of condensable components.



PCT

- (22) 18/12/2011
- (21) 2115/2011
- (44) May 2016
- (45) 19/09/2016
- (11) 27723

(51)	Int. Cl. 8 F01D 25/00		
(71)	1. PYROTEK, INC. (UNITED STATES OF AMERICA ) 2. 3.		
(72)	1. BRIGHT, Mark, A 2. TETKOSKIE, Jason 3. HENDERSON, Richard, S	4. RITCHIE, Herbert 5. MORANDO, Jorge, A	
(73)	1. 2.		
(30)	1. (US) 61/187,457 - 16-06-2009 2. (PCT/US2010/0338597) - 15-06-2010 3.		
(74)	SAMAR AHMED EL LABBAD		
(12)	Patent		

### (54) OVERFLOW VORTEX TRANSFER SYSTEM Patent Period Started From15/06/2010 and Will end on 14/06/2030

(57) The present invention is directed to a molten metal pump comprising an elongated pumping chamber tube with a base end and an open top end. A shaft extends into the tube and rotates an impeller therein, the impeller rotates proximate the base end. The tube has a diameter at least 1.1 times the diameter of the impeller. The pumping chamber tube preferably has a length at least three times the height of the impeller. The base end includes an inlet and the top end includes a tangential outlet. Rotation of the impeller draws molten metal into the pumping chamber and creates a rotating equilibrium vortex that rises up the walls of the pumping chamber. The rotating vortex adjacent the top end exists the device cia the tangential outlet.



**PCT** 

- (22) 08/06/2010
- (21) 0955/2010
- (44) April 2016
- (45) 19/09/2016
- (11) 27724

(51)	Int. Cl. <sup>8</sup> B01J 8/02 & F28D 9/00
(71)	1. CASALE S.A (SWITZERLAND) 2.
	<b>3.</b>
(72)	1. RIZZI, Enrico
	2. FILIPPI, Ermanno
	3. Tarozzo.Mirco
(73)	1.
	2.
(30)	1. (EP) 07023925.6 - 11-12-2007
	2. (PCT/EP2008/009793) – 20-11-2008
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) SUPPORTING SYSTEM OF HEAT EXCHANGE PLATES IN ISOTHERMAL CHEMICAL REACTORS

#### Patent Period Started From 20/11/2008 and Will end on 19/11/2028

(57) System for supporting a plate heat exchanger inside an isothermal chemical reactor, comprising a circumferential ring structure fixed at least to top radial sides of the plates, said structure being formed as a single or double ring.



PCT

- (22) 12/09/2013
- (21) 1434/2013
- (44) March 2016
- (45) 20/09/2016
- (11) 27725

(51)	Int. Cl. 8 A01N 43/90
(71)	1. DOW AGROSCIENCES LLC. (UNITED STATES OF AMERICA ) 2. 3.
(72)	1. Richard, K MANN 2. 3.
(73)	1. 2.
(30)	1. (US) 61/453,202 - 16-03-2011 2. (PCT/US2012/029153) – 15-03-2012 3.
(74)	ABD ELLHADI OFFICE
(12)	Patent

## (54) SYNERGISTIC HERBICIDAL COMPOSITION CONTAINING PENOXSULAM AND PYROXSULAM Patent Period Started From and Will end on

(57) A synergistic mixture of penoxsulam and pyroxsulam controls weeds in rice, cereal and grain crops, tree and vine crops, pome, stone and citrus crops, pastures, rangelands, industrial vegetation management (IVM), and turf.



PCT

- (22) 13 / 06/2013
- (21) 1018/2013
- (44) March 2016
- (45) 20/09/2016
- (11) 27726

(51)	Int. Cl. 8 A01N 43/22, 25/00 & A01P 17/00, 7/04
(71)	1. DOW AGROSCIENCES LLC. (UNITED STATES OF AMERICA ) 2. 3.
(72)	<ol> <li>WATSON, Gerald B</li> <li>SPARKS, Thomas C</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (US) 61/428,118 - 29-12-2010 2. (PCT/US2011/067150) – 23-12-2011 3.
(74)	ABD ELLHADI OFFICE
(12)	Patent

### (54) METHODS OF CONTROLLING INSECTS Patent Period Started From 23/12/2011 and Will end on 22/12/2031

(57) Methods of controlling insects include applying at least one spinosyn compound to a locus of a neonicotinoid resistant insect, such as a strain of Drosophila melanogaster resistant to a neonicotinoid compound. The spinosyn compound may be a mixture of spinosyn A and spinosyn D. The spinosyn compound may cause up to approximately ten times increased mortality in the neonicotinoid resistant insect compared to an insect susceptible to a neonicotinoid compound.



PCT

- (22) 20/03/2011
- (21) 0426/2011
- (44) April 2016
- (45) 02/09/2016
- **(11)** | 27727

(51)	Int. Cl. 8 G06Q 20/00
(71)	1. SMK- LOGOMOTION CORPORATION (JAPAN) 2.
	3.
(72)	<ol> <li>FLOREK, Miroslav</li> <li>MASARYK, Michal</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (SK) PP5086 – 2008 - 19-09-2008 2. (PCT/IB2009/054101) 18-09-2009 3.
(74)	Abd Elhadi office
(12)	Patent

### (54) THE ELECTRONIC PAYMENT APPLICATION SYSTEM AND PAYMENT AUTHORIZATION METHOD

#### Patent Period Started From 18/09/2009 and Will end on 17/09/2029

(57) The system contains a virtual POS terminal's unit in the user's personal device. The mobile communication device contains a virtual POS terminal's unit and also a removable memory card, on which there are at least two physically separate secure elements stored. The removable memory card is connected to the secure element containing the secured part of the virtual POS terminal. The mobile communication device and/or the separate portable element is adjusted in such a way to be able to connect to a remote payment procession server. The removable memory card and the separate portable element can be equipped with the NFC communication element. Depending on the user choice, a corresponding secure element with the selected payment card unit is activated on the removable memory card. The user's payment card's identification data are supplemented by the payment receiver's identification data and also by a one-time password that was created in the one-time password unit.



PCT

- (22) 24/06/2013
- (21) 1090/2013
- (44) April 2016
- (45) |20/09/2016
- (11) 27728

(51)	Int. Cl. 8 C02F 103/08 & B01D 24/00
(71)	1. EGYPTIAN PETROLEUM RESEARCH INSTITUTE (EPRI) (EGYPT) 2. 3.
(72)	1. AL-SAYED MOHAMED AHMED ALY BAKR 2. WALID AHMED ISMAIL OMAR MAKLED 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	KHALID ALI ABDEL-ZAHER
(12)	Patent

### (54) PRETREATMENT OF SEAWATER DESALINATION PLANTS BY AMPHISTEGINA TESTS

#### Patent Period Started From 24/06/2013 and Will end on 23/06/2033

The presented patent is for replacing the sand media that used in removal of turbidity and suspended solids as pretreatment processing of seawater desalination plants with media composed of tests of microscopic primitive unicellular organisms, which are called amphistegina. These organisms live for short time interval and leave their tests (shell hard parts) after death in the coastal marine environment. These tests are composed of calcium carbonate and range in size from 800 to 1500 micron. They are deposited and accumulated on the beaches . Their tests are stable and resistant to disintegration in the natural conditions of their ecology. These tests can be gathered and concentrated by sieving directly from the beach sediments or can be farmed in the desalination plant intakes or special pools. They do not need any human interfere or special nutritions. These testes can replace the sand grains that are used in the desalination plants and can be reclaimed from the near shore sediments and do not need any special treatment before using . The amphistegina tests proved high efficiency when replaced with the sand in the semi pilot unit for reverse osmosis in the laboratory experimentation. The laboratory experiments have been done in the egyptian petroleum research institute (epri). Amphistegina tests media have many new advantages. They are more efficient while removing of the suspended solids ( 89% from the total suspended solids) and organic matter (67.3%). The guantity of the poly potassium chloride that is used to assist the suspended solids removal as coagulant has been reduced by 20% the flow rate through the amphistegina tests media is one fold the flow rate through the sand media media . The water required for the back wash for the amphistegina tests media is lower by 35% than that required in case of sand media, which will lower the water and energy wasting for the back wash process. The bed expansion of the amphistegina tests media is more than those of the sand media which increases the efficiency of the back wash process and the operating life time.



**PCT** 

- (22) 04/05/2006
- (21) PCT/NA 0419/2006
- (44) December 2015
- (45) 22/09/2016
- (11) 27729

(51)	Int. Cl. 8 C12N 5/20 & A61P 33/06, 35/02 & C07K 16/28 & A61K 39/395			
(71)	1. Novartis vaccines and diagnostics inc (UNITED STATES OF AMERICA )			
(, 1)	2.			
	3.			
(72)	1. LONG, LiL	4. zaror,Isabel	7. Lee,sang,hoon	
()	2. LONG, LiLUQMAN, Mohammad	5. CHEN, Bao0 Lu	8. Hurst, deborah	
	3. yabannavar, Asha	6. LU,xiaofeng		
(73)	1.			
( - )	2			
(30)	1. (US) 60/517.337 - 04-11-2003			
	2. (US) 60/525.579 - 26-11-2003			
	3. (US) 60/565710 - 27-04-2004			
	4. (PCT/US2004/037152) - 04-11-2004			
(74)	SAMAR AHMED EL LABBAD			
(12)	Patent			

### (54) ANTAGONIST ANTI-CD40 MONOCLONAL ANTIBODIES AND METHODS FOR THEIR USE

#### Patent Period Started From 04/11/2004 and Will end on 03/11/2024

(57) Methods of therapy for treating diseases mediated by stimulation of CD40 signaling on CD40-expressing cells are provided. The methods comprise administering a therapeutically effective amount of an antagonist anti-CD40 antibody or antigen-binding fragment thereof to a patient in need thereof. The antagonist anti-CD40 antibody or antigen-binding fragment thereof is free of significant agonist activity, but exhibits antagonist activity when the antibody binds a CD40 antigen on a human CD40-expressing cell. Antagonist activity of the anti-CD40 antibody or antigen-binding fragment thereof beneficially inhibits proliferation and/or differentiation of human CD40expressing cells, such as B cells.



PCT

- (22) 29/01/2013
- (21) 0151/2013
- (44) April 2016
- (45) 25/09/2016
- (11) 27730

(51)	Int. Cl. 8 C08L 101/00 & C08K 9/04, 3/04 & B82B 3/00 & C08J 3/02
(71)	1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA )
	2. 3.
(72)	1. CHAKRABORTY, Soma
	2. DUAN, Ping
	3. AGRAWAL, Gaurav
	4. JOHNSON, Michael, H.
(73)	1.
	2.
(30)	1. (US) 12/878,538 - 09-09-2010
(00)	2. (PCT/US2011/043033) – 06-07-2011
	3.
(74)	Nahed Wadih Rizk
(12)	Patent

### (54) POLYMER NANOCOMPOSITE Patent Period Started From 06/07/2011 and Will end on 05/07/2031

(57) A polymer nanocomposite comprises a polymer; and a nanoparticle derivatized to include functional groups including carboxy, epoxy, ether, ketone, amine, hydroxy, alkoxy, alkyl, aryl, aralkyl, alkaryl, lactone, functionalized polymeric or oligomeric groups, or a combination comprising at least one of the forgoing functional groups. The variability in tensile strength and percent elongation for the polymer nanocomposite is less than the variability of these properties obtained where an underivatized nanoparticle is included in place of the derivatized nanoparticle.

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology
<b>Egyptian Patent Office</b>



PCT

- (22) 09/06/2014
- (21) 0923/2014
- (44) April 2016
- (45) 26/09/2016
- (11) 27731

(51)	Int. Cl. <sup>8</sup> F16L 15/06 & E21B 17/042 & F	16B 33/02
(71)	1. TENARIS CONNECTIONS B.V. (NETHERLANDS) 2. 3.	
(72)	<ol> <li>MAZZAFERRO, Gaston Mauro</li> <li>COPPOLA, TOMMAS</li> <li>AMATO, Stefano</li> </ol>	4. AGUILAR ARMENDARIZ 5. DARCIS, Philippe Pierre
(73)	1. 2.	
(30)	1. (US) 13/315,354 - 09-12-2011 2. (PCT/IB2012/056597) - 21-11-2012 3.	
(74)	RAGAII EL DEKKI	
(12)	Patent	

### (54) THREADED CONNECTION WITH IMPROVED ROOT THREAD PROFILE

#### Patent Period Started From 21/11/2012 and Will end on 20/11/2032

(57) A threaded connection design having a double ellipse in the thread root for reducing stress fatigue is illustrated in this disclosure. The root groove includes a first portion comprising a first elliptical surface being part of a first ellipse. The root groove further includes a second portion comprising a second elliptical surface, being part of a second ellipse, and the second elliptical surface being joined tangentially at a first end to the first elliptical surface at a junction point that defines the bottom of the root groove. The second elliptical surface is joined tangentially at a second end to the load flank.



PCT

- (22) 18/05/2014
- (21) 0795/2014
- (44) Marsh 2016
- (45) 26/09/2016
- (11) 27732

(51)	Int. Cl. 8 H04N 7/32
(71)	1. MEDIATEK SINGAPORE PTE. LTD (SINGAPORE)
	2. 3.
(72)	1. ZHAO, Liang
	2. GUO, Xun
	3. LEI, Shaw-Min
(73)	1.
( - )	2.
(30)	1. (CN) PCT/CN2012/070617 - 19-01-2012
(00)	2. (PCT/CN2013/070542) – 16-01-2013
	3.
(74)	RAGAII EL DEKKI
(12)	Patent

### (54) METHOD AND APPARATUS FOR SIMPLIFIED MOTION VECTOR PREDICTOR DERIVATION

#### Patent Period Started From 16/01/2013 and Will end on 15/01/2033

(57) A method and apparatus for deriving a motion vector predictor (MVP) candidate set for motion vector coding of a current block. Embodiments according to the present invention determine a redundancy-removed spatial MVP candidate set by removing any redundant MVP candidate from the spatial MVP candidate set. The redundancy-removal process does not apply to the temporal MVP candidate. In another embodiment of the present invention, a redundancy-removed spatial-temporal MVP candidate set is determined and the number of candidates in the redundancy-removed spatial-temporal MVP candidate set is checked to determine whether it is smaller than a threshold. If the number of candidates is smaller than the threshold, a zero motion vector is added to the redundancy-removed spatial-temporal MVP candidate set. The redundancy-removed spatial-temporal MVP candidate set is then provided for encoding or decoding of the motion vector of the current block.



PCT

- (22) 11/10/2012
- (21) 1741/2012
- (44) May 2016
- (45) 27/09/2016
- (11) 27733

(51)	Int. Cl. 8 F17D 1/18 & F16L 53/00
(71)	1. TOTAL SA. (FRANCE) 2. 3.
(72)	<ol> <li>BIGEX, Thibaud</li> <li>WOIRIN, Jerome</li> <li>WOIRIN (WOIRIN)</li> </ol>
(73)	1. 2.
(30)	1. (FR) 1052845 - 14-04-2010 2. (PCT/FR2011/050604) - 22-03-2011 3.
(74)	MOHAMED MOHAMED BAKIR
(12)	Patent

## (54) HEATING DEVICE FOR A DEVICE FOR TRANSPORTING A FLUID CONTAINING A HYDROCARBON Patent Period Started From 22/03/2011 and Will end on 21/03/2031

(57) The invention relates to a heating device for a device for transporting a fluid containing a hydrocarbon, said heating device comprising a rigid structure extending between two lateral walls, forming a space between the lateral walls, a flexible membrane comprising heating means and extending into the space in order to define, in said space, an inner cavity and an outer cavity at least partially surrounding the transport device, and pumping means designed to supply a fluid to the inner cavity, remove said fluid the reform, or keep said fluid therein, in order to bring the membrane into contact with the transport device so as to heat same.



PCT

- (22) 11/10/2012
- (21) 1740/2012
- (44) May 2016
- (45) 27/09/2016
- (11) 27734

(51)	Int. Cl. <sup>8</sup> H05B 3/36 & F17D 1/18
(71)	1. TOTAL S.A. (FRANCE) 2. 3.
(72)	<ol> <li>BIGEX, Thibaud,</li> <li>WOIRIN, Jerome</li> <li>WOIRIN (WOIRIN)</li> </ol>
(73)	1. 2.
(30)	1. (FR) 1052844 - 14-04-2010 2. (PCT/FR2011/050603) - 22-03-2011 3.
(74)	MOHAMED MOHAMED BAKIR
(12)	Patent

## (54) HEATING COVER FOR A DEVICE FOR TRANSPORTING A FLUID CONTAINING A HYDROCARBON Patent Period Started From 22/03/2011 and Will end on 21/03/2031

(57) The invention relates to a heating cover for a device for transporting a fluid containing a hydrocarbon, extending over a surface and comprising, in a direction transverse to the surface, a first electrical insulation layer, a heating layer arranged on the first electrical insulation layer and comprising carbon fibres embedded in an elastomer, a second electrical insulation layer arranged on the heating layer, a heat insulation layer arranged on the second electrical insulation layer, and power supply means.



PCT

- (22) 23/10/2013
- (21) 1643/2013
- (44) June 2016
- (45) 28/09/2016
- (11) 27735

(51)	Int. Cl. 8 C05C 9/00 & C05B 17/00 & C05G 3/08
(71)	1. AYMAN MOHAMMED EL-GHAMRY (EGYPT)
(, =)	2. AHMED ALI ALI MOSA (EGYPT)
	3. ELSAYED MAHMOUD EL-NAGGAR (EGYPT)
	4. Mansoura University(EGYPT)
(72)	1. AYMAN MOHAMMED EL-GHAMRY
( )	2. AHMED ALI ALI MOSA
	3. ELSAYED MAHMOUD EL-NAGGAR
(73)	1.
(:0)	2.
(30)	1.
(5.0)	2.
	3.
(74)	FOCAL POINT - MANSOURA UNIVERSITY (EGYPT)
(, •)	
(12)	Patent

### (54) DOUBLE-COATED MINERAL NITROGEN FERTILIZER Patent Period Started From 23/10/2013 and Will end on 22/10/2033

(57) This invention is concerning the manufacturing of a double-coated mineral nitrogen fertilizer. The manufacturing method summarized in coating the ordinary urea fertilizer by the first coating layer, which is the urease inhibitor in the form of sodium thiosulfate; the second coating layer, which is rock phosphate compound. Before coating with each layer, urea formaldehyde was sprayed to act as a sticky material to create a coherent coating layer.

#### **Arab Republic of Egypt**

Ministry of State for Scientific Research Academy of Scientific Research & Technology



# GRANTED PATENTS' ABSTRACTS GAZETTE "PATENTS ISSUED IN OCTOBER 2016"

### **Egyptian Patent Office**

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( PATENT No. 27770)	(36)

( PATENT No. 27771)	(37)
( PATENT No. 27772)	(38)

#### **Preface**

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

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

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

**Acting President of Patent Office** 

Mr. Adel El-Saeid Oweide

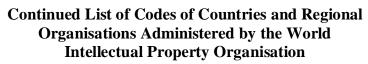
### Bibliographic data

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



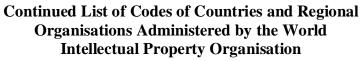
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AL	Albania <sup>)</sup>
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AO	Angola
AR	Argentina
AT	Austria
AU	Australia
AZ	Azerbaijan
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BG	Bulgaria
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BY	Belarus
BZ	Belize
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GB	United Kingdom
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GD	Grenada
GE	Georgia
GH	Ghana
GM	Gambia
GN	Guinea
GQ	Equatorial Guinea
GR	Greece
GT	Guatemala
GW	Guinea-Bissau
GY	Guyana
HK	Hong Kong
HN	Honduras
HR	Croatia
HU	Hungary
ID	Indonisia
IE	Ireland



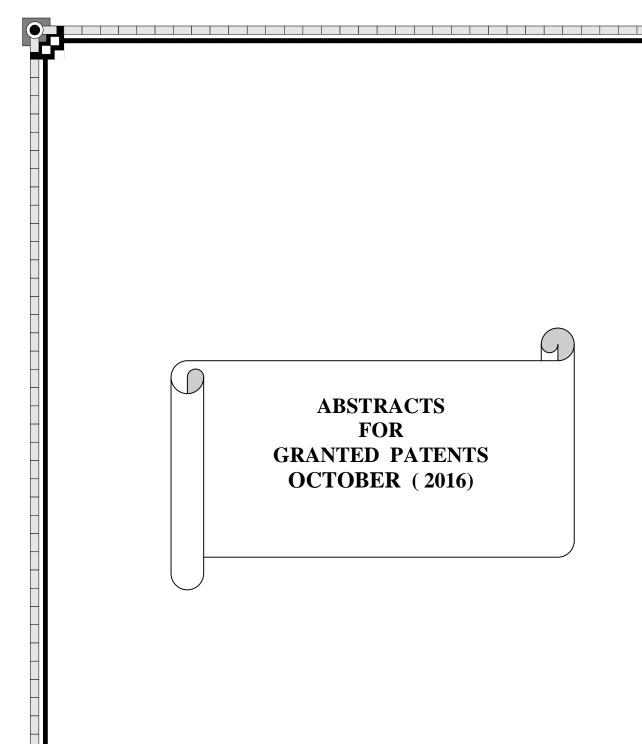
Code	Country
IL	Israel
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IR	Iran
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IT	Italy
JO	Jordan
JP	Japan
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KG	Kyrgyzstan
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KR	Republic of Korea
KW	Kuwait
KZ	Kozakhstan
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LK	Sirlanka
LR	Liberia
LS	Lesotho
LT	Lithuania
LU	Luxembourg
LV	Latvia
LY	Libyan Arab Jamahirya
MA	Moracco
MC	Monaco
MD	Republic of Moldova
ME	Montenegro
MG	Madagascar

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MW	Malawi
MX	Mexico
MY	Malaysia
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NG	Nigeria
N	Nicaragua
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NO	Norway
NZ	New Zealand
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PG	Papua New Guinea
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PL	Poland
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PY	Paraguay
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RO	Romania
RS	Serbia
RU	Russian Federation
RW	Rwanda
SA	Saudi Arabia



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SD	Sudan
SE	Sweden
SG	Singapore
SI	Slovenia
SK	Slovakia
SL	Sierra Leone
SM	San Marion
SN	Senegal
SO	Somalia
SR	Suriname
ST	Saotome and Principe
SV	El Salvador
SY	Syrian Arab Republic
SZ	Swaziland
TD	Chad
TG	Togo
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
VE	Venezuela
VN	Viet Nam
YD	Yemen
YU	Yugoslavia
ZA	South Africa
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe





- (22) 20/06/2013
- (21) | 1066/2013
- (44) June 2016
- (45) 10/10/2016
- (11) 27736

(51)	Int. Cl. 8 B01D 53/64 & C10K 1/20 & C10G	31/00
(71)	<ol> <li>IFP Energies Nouvelles (FRANCE)</li> <li>3.</li> </ol>	
(72)	<ol> <li>PORCHERON, Fabien</li> <li>BARTHELET, Karim</li> <li>BAUDOT, Arnaud</li> <li>LELIAS, Marc Antoine</li> </ol>	<ul><li>5. NICOLAOS, Alexandre</li><li>6. ARMAROLI, Tiziana</li><li>7. JUBIN, Clotilde</li></ul>
(73)	1. 2.	
(30)	1. (FR) 12/0811 - 26-06-2012 2. 3.	
<b>(74)</b>	MAGDA HAROON - NADIA HAROUN	
(12)	Patent	

# (54) CAPTURE MASS COMPOSED OF ELEMENTAL SULPHUR DEPOSITED ON A POSOUS SUPPORT FOR CAPTURING HEAVY METALS

#### Patent Period Started From 20/06/2013 and Will end in 19/06/2013

(57) The present invention concerns a capture mass for comprising mercury , said mass comprising an active phase deposited on a porous support , the active phase comprising elemental sulphur , the porous support having a pore volume v0.004>0.1 ml/g , v0.004 corresponding to the cumulative volumes of pores with a size of less than 0.004 um .

Arab Republic of Egypt
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Academy of Scientific Research & Technology
Egyntian Patent Office



(22) 10/09/201	4
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(21) | 1435/2014

(44) June 2016

(45) 10/10/2016

(11) 27737

(51)	Int. Cl. 8 D06F 37/40, 33/02
(71)	<ol> <li>KABUSHIKI KAISHA TOSHIBA (JAPAN)</li> <li>TOSHIBA CONSUMER ELECTRONICS HOLDINGS CORPORATION (JAPAN)</li> <li>TOSHIBA HOME APPLIANCES CORPORATION (JAPAN)</li> </ol>
(72)	<ol> <li>SETO, Tomokazu</li> <li>AKITA, Shingo</li> <li>Martin Articles</li> </ol>
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(30)	1. (JP) 2012-063632 - 31-03-2012 2. (PCT/JP2013/051859) – 29-01-2013 3.
(74)	MAGDA SHEHATA HAROUN , NADIA SHEHATA HAROUN
(12)	Patent

(54)	WASHER DRYER COMBO
	Patent Period Started From 29/01/2013 and Will end in 28/01/2033

(57) The washer dryer combo is provided with a control means for operating a clutch-switching means for switching a clutch to a washing clutch position and executing a washing operation of rotating an agitator with water filled inside a rotating tank by a water supply valve and after completion of the washing operation, switching the clutch from the washing clutch position to the drying clutch position with water still filled in the rotating tank.

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



- (22) 22/04/2013
- (21) 0691/2013
- (44) April 2016
- (45) 11/10/2016
- (11) 27738

(51)	Int. Cl. 8 H02J 7/04 & H01M 10/46
(71)	1. NUCLEUS SCIENTIFIC, INC (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>HUNTER, Ian</li> <li>LAFONTAINE, Serge, R</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (US) 61/405,829 - 22-10-2010 2. (PCT/US2011/057338) – 21/10/2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) APPARATUS AND METHOD FOR RAPIDLY CHARGING BATTERIES

#### Patent Period Started From 21/10/2011 and Will end in 20/10/2031

(57) An apparatus and methods for ultra-fast charging one or more batteries, including, for example, lithium ion batteries. A charging current is determined by optimization of a model based on functions of a set of internal state variables associated with a battery, and a set of model parameters or nonparametric data characterizing the battery. Instantaneous internal state variables are determined, and an optimized charging current is applied to the battery subject to a set of battery- specific constraints. Internal state variables are updated recursively based on behavior of the battery under charge as well as the behavior, stored in a database, or acquired via a network, of cognate batteries.



<b>(22)</b>	28/05/2014
	0865/2014

(44) April 2016

(45) 11/10/2016

(11) 27739

(51)	Int. Cl. 8 B66F 19/00 & B66C 19/00
(71)	1. APM TERMINALS BV (NETHERLANDS) 2. 3.
(72)	<ol> <li>GRAPENGIESSER, Volker</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (DK) PA 2011 70658 - 29-11-2011 2. (US) 61/564,638 - 29-11-2011 3. (PCT/EP2012/073607) - 26-11-2012
(74) (12)	SAMAR AHMED EL LABBAD Patent

(54)	A CRANE	
	Patent Period Started From 26/11/2012 and Will end in 25/11/2032	

- (57) A cargo crane for transferring containers to and from a ship birthed alongside a quay is disclosed. The cargo crane includes:
  - at least one quayside support leg supported by a bogie arranged to travel on a rail,
  - at least one landside support leg supported by a bogie arranged to travel on a rail,
  - a boom configured to extend over a ship birthed alongside a key,
  - a trolley displaceably connected to said boom, and container lifting means connected to said trolley The invention is novel and inventive in that said at least one quayside support leg in a first height define an outer horizontal width and, in a second height, said at least one quayside support leg define an inner horizontal width wherein said inner horizontal width.



- (22) 06/05/2012
- (21) 0823/2012
- (44) May 2016
- (45) 11/10/2016
- (11) 27740

(51)	Int. Cl. 8 A61F 13/15, 13/49, 13/496
(71)	1. UNICHARM CORPORATION (JAPAN)
	[2.
	3.
(72)	1. TAKINO, Shunsuke
. /	2. MORI, Hiroki
	3.
(73)	1.
	2.
(30)	1. (JP) 2009-254547 – 06-11-2009
	2. (PCT/JP2010/006507) – 05-11-2010
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

(54)	ELECTRIC MOTOR	
	Patent Period Started From 05/11/2010 and Will end in 04/11/2030	

(57) A rotary and linear motion device includes a magnetic stator assembly, opposed electromagnetic actuators, and a linear-to-rotary converter (e.g., cam). Each electromagnetic actuator includes a coil that is configured to reciprocate relative to the magnetic stator assembly or to linearly translate in a common direction relative to the magnetic stator assembly. The electromagnetic actuators are coupled to the linear-to-rotary converter and upon reciprocation or linear translation, drive the linear-to-rotary converter in rotary or linear motion. The device may be located inside a wheel, which may be part of a vehicle. If part of a wheel of a vehicle, the device can be used to provide propulsion, steering, braking, and suspension for the vehicle.



- (21) 0954/2012
- (44) April 2016
- (45) 11/10/2016
- (11) 27741

(51)	Int. Cl. 8 A61F 13/496
<b>(71)</b>	1. UNICHARM CORPORATION (JAPAN)
	2.
	3.
(72)	1. TAKINO, Shunsuke
` ′	2.
	3.
(73)	1.
()	2.
(30)	1. (JP) 2009-272889 - 30-11-2009
()	2. (PCT/JP2010/006865) – 25-11-2010
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) DISPOSABLE DIAPER HAVING A BUTTOCKS - COVERING SECTION ADAPOTECL TO COVER THE WECRABLE BUTTOCKS

#### Patent Period Started From 25/11/2010 an Will end in 24/11/2030

(57) The present invention provides a disposable wearing article having a rear waist region which includes a rear waist main section facing a front waist region and a buttocks-covering section lying adjacent to a crotch region. the rear waist main section 18 is divided into an upper area lying adjacent to a waist-opening and a lower area lying adjacent to the crotch region wherein a tensile stress per unit width dimension in the buttocks-covering section is lower than a tensile stress per unit width dimension in the lower area of the rear waist main section.



(22) 11/09/2007
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(21) 0479/2007

(44) May 2016

(45) 17/10/2016

(11) 27742

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(51)	Int. Cl. 8 C07J 51/100, 13/00
(71)	<ol> <li>National Center for Research (EGYPT)</li> <li>3.</li> </ol>
(72)	<ol> <li>Hanaa Hamdy Ahmed Mohamed</li> <li>Gamal A. Elmegeed</li> <li>Mervat Mahmoud Abdel-Halim</li> </ol>
(73)	1. 2.
(30)	1. 2. 3.
(74)	FOCAL POINT- National Center for Research -MAGDA MHASSEB ELSAYED
(12)	Patent

### (54) 17 - HETEROCYCLIC SUBSTITUTED ESTROGEN ERIVATIVES FOR TREATMENT OF OSTEOPOROSIS

#### Patent Period Started From 11/09/2007 and Will end in 10/09/2027

(57) This patent is aimed at the protection of developing novel effective synthesized estrone derivatives containing heterocyclic nucleus that may have potent promise to mimic estrogen's effect on bone to formulate new alternative opportunities for management of osteoporosis. Novel synthesized steroidal heterocyclic estrogen derivatives bearing various polar, basic, flexible and/or rigid functional groups were synthesized. These novel compounds were examined for their efficacy in management of osteoporosis in ovariectomized female rats. The results showed that some of these compounds have lipid lowering effect in concomitant with their potent effect on serum calcium and phosphorus levels. Both bone mineral density and bone mineral content in different areas of bone (right femur) showed a great degree of improvement due to the treatment with the novel estrone derivatives. In conclusion, the novel synthesized estrone derivatives have a potential promise as antiresorptive agents for controlling osteoporosis.



- (22) 12/03/2014
- (21) 0382/2014
- (44) June 2016
- (45) 17/10/2016
- (11) 27743

(51)	Int. Cl. 8 G06G 7/48	
(71)	1. LANDMARK GRAPHICS CORPORATION (UNITED STATES OF AMERICA) 2. 3.	
(72)	<ol> <li>SHI, Genbao</li> <li>YARUS, Jeffrey, Marc</li> <li>CHAMBERS, Richard, L.</li> </ol>	4. MAUCEC, Marko
(73)	1. 2.	
(30)	1. (US) 61/535,855 - 16-09-2011 2. (PCT/US2012/020435) - 06-01-2012 3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

# (54) SYSTEMS AND METHODS FOR ASSISTED PROPERTY MODELING Patent Period Started From 06/01/2012 and Will end in 05/01/2032

(57) Systems and methods for updating a property map during conditional simulation or unconditional simulation using interactive azimuth guidelines, well data and/or variogram parameters.



- (22) 07/02/2012
- (21) 0211/2012
- (44) June 2016
- (45) 17/10/2016
- (11) 27744

(51)	Int. Cl. 8 E21B 43/00, 23/00, 19/16 & F04D 13/06
(71)	<ol> <li>HARRIER TECHNOLOGIES INC. (UNITED STATES OF AMERICA)</li> <li>3.</li> </ol>
(72)	<ol> <li>MORROW, William, Bruce</li> <li>WITTEN, Raymond</li> <li>WITTEN, Taymond</li> </ol>
(73)	1. 2.
(30)	1. (US) 61/233,488 - 12-08-2009 2. (US) 61/233,826 - 12-08-2009 3. (US) 12/552,806 - 02-09-2009 4. (PCT/US2010/045377) - 12-08-2010
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) SYSTEM AND METHOD FOR A DIRECT DRIVE PUMP Patent Period Started From 12/08/2010 and Will end in 11/08/2030

(57) A method and a system are provided for a direct drive pump for use in pumping fluids and/or quasi-fluids from one location to another. In the direct drive pump, bearings or bushings are optimally spaced, taking into account various operational considerations such as load, path, pressure, and tension. Further, bearings or bushings are coupled to the drive string, thus assisting in more efficient installation and de-installation. The bearings or bushings are not fixed to the production casing or drive tube. In embodiments, the drive tube can be vented, and the production fluid can be used as a lubricant for the system bearings.



- (22) 10/02/2014
- (21) 0191/2014
- (44) June 2016
- (45) 17/10/2016
- (11) 27745

(51)	Int. Cl. 8 E21B 47/10
(71)	1. LANDMARK GRAPHICS CORPORATION (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>SWEATMAN, Ronald, Earl</li> <li>MITCHELL, Robert, Franklin</li> <li>.</li> </ol>
(73)	1. 2.
(30)	1. (PCT/US2011/047589) – 12-08-2011 2. 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) SYSTEMS AND METHODS FOR THE EVALUATION OF PASSIVE PRESSURE CONTAINMENT BARRIERS Patent Period Started From 12/08/2011 and Will end in 11/08/2031

(57) Systems and methods for the advance, real-time and/or post-event evaluation of inaccessible passive pressure containment barriers using an iterative process.



- (22) 02/02/2012
- (21) 0187/2012
- (44) June 2016
- (45) 17/10/2016
- (11) 27746

(51)	Int. Cl. 8 E04F 13/18
(71)	1. ABDALLAH AHMED ABDALLAH (EGYPT)
	2.
	3.
<b>(72)</b>	1. ABDALLAH AHMED ABDALLAH
	2.
	3.
(73)	1.
()	2.
(30)	1.
()	2.
	3.
(74)	
(12)	Patent

## (54) NATURAL MARBLE THAT GLOW DURING DARK Patent Period Started From 02/02/2012 and Will end in 01/02/2032

(57) The present invention is related to natural marble that illuminates in the dark. Marble is carved and filled with 866 g of epoxy (650 g resin + 216 g hardner) and 134 g of a photoluminescent material. Any artwork, whether from the Arab, Islamic or pharaonic culture, may be carved in the marble. Marble may be charged from any surrounding source of light for ten minutes to provide two-hour illumination period. When light starts to fade gradually within the two hours, marble is charged automatically.

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



(22)  1	9/03/2014
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- (21) 0433/2014
- (44) June 2016
- (45) 17/10/2016
- **(11)** | 27747

(51)	Int. Cl. 8 G06G 7/48
(71)	1. LANDMARK GRAPHICS CORPORATION (UNITED STATES OF AMERICA) 2. 3.
(72)	1. GORELL, Sheldon 2. 3.
(73)	1. 2.
(30)	1. (PCT/US2011/052373) – 20-09-2011 2. 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) SYSTEM AND METHOD FOR COARSENING IN RESERVOIR SIMULATION SYSTEM

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

(57) System and method for implementing a reservoir simulation system are described. One embodiment is a computer-implemented method of coarsening a fine grid including a plurality of fine gridblocks, the fine grid representing a geological model having at least one discontinuity therein. The method comprises grouping a number of fine gridblocks together to form coarse gridblocks, wherein at least one of the coarse gridblocks is a nonstandard-shaped gridblock; and calculating a transmissibility for each pair of adjacent coarse gridblocks in which at least one gridblock of the coarse gridblock pair is a nonstandard-shaped gridblock. The calculating comprises calculating a transmissibility for each pair of adjacent fine gridblocks; mapping each of the fine gridblock pairs to a coarse gridblock pair; and for each gridblock pair, summing the transmissibilities of the fine gridblock pairs mapped thereto.

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



(22)	11/10/2010
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(21) 1710/2010

(44) June 2016

(45) |17/10/2016

(11) 27748

(51)	Int. Cl. 8 B01J 8/00 & C07C 29/151
(71)	1. CASALE S.A. (SWITZERLANS) 2.
	3.
(72)	1. FILIPPI, Ermanno
	2. 3.
(73)	1. 2.
(30)	1. (EP) 08007451.1 - 16-04-2008 2. (PCT/EP2009/054464) – 15-04-2009
	3.
<b>(74)</b>	SAMAR AHMED EL LABBAD
(12)	Patent

# PROCESS FOR PRODUCING METHANOL FROM STEAM REFORMING-PROCEDE DE FABRICATION DE METHANOL A PARTIR D''UN REFORMAGE A LA VAPEUR

#### Patent Period Started From 15/04/2009 and Will end in 14/04/2029

(57) A process and plant for producing methanol from steam reforming, where a syngas from steam reforming and having a certain hydrogen excess is mixed with a partially oxidized syngas produced in a partial oxidation section and having a low hydrogen content, thus obtaining a gaseous reactant with a balanced stoichiometric number in the high pressure synthesis loop. A revamping process for conventional steam reforming methanol plants is also disclosed, providing the addition of a partial oxidation section in parallel to the existing reforming section.



- (22) 26/06/2013
- (21) 1123/2013
- (44) June 2016
- (45) 17/10/2016
- (11) 27749

(51)	Int. Cl. <sup>8</sup> F16K 31/52
(71)	1. L'AIR LIQUIDE,SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES
()	2. PROCEDES GEORGES CLAUDE(FRANC)
	3.
(72)	1. LIGONESCHE, Renaud
( )	2. DEBRY, Tristan
	3. DE POTTER, Romuald
(73)	1.
(, 0)	2.
(30)	1. (FR) 1150227 - 11-01-2011
(00)	2. (PCT/FR2011/052786) – 28-11-2011
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) TAP FOR PRESSURIZED FLUID, AND TANK HAVING SUCH A TAP

#### Patent Period Started From 28/11/2011 and Will end in 27/11/2031

(57) The invention relates to a tap for pressurized fluid, with or without a builtin pressure-reducing valve, including: a body housing a fluid circuit
having an upstream end to be placed in communication with a store of
pressurized fluid, and a downstream end to be placed in communication
with a user apparatus. The circuit includes an isolation valve for
selectively closing the circuit. The valve is controlled by a lever pivotably
mounted onto the body between an inoperative position, in which the
isolation valve is retained in a position for closing the circuit, and an
operative position, in which the lever moves the isolation valve into a
position for opening the circuit. Said tap is characterized in that the lever
includes at least one opening, and in that, when the lever is in the
operative position, the inoperative position, and/or an intermediate position
between said two positions, the opening arranged inside same receives a
portion of the body of the tap and/or a portion of a functional member
mounted onto the body of the tap.

Arab Republic of Egypt
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Academy of Scientific Research & Technology
Egyptian Patent Office



- (22) 27/08/2012
- (21) | 1451/2012
- (44) April 2016
- (45) |17/10/2016
- **(11)** | 27750

(51)	Int. Cl. 8 C21N 15/16 & C21P 19/34
(71)	1. NATIONAL RESEARCH CENTRE (EGYPT)
(, 1)	2.
	3.
(72)	1. Kamal Mohamed Ali Khalil
()	2.
	3.
(73)	1.
, ,	2.
(30)	1.
	2.
	3.
<b>(74)</b>	FOCAL POINT - NATIONAL RESEARCH CENTER
(12)	Patent

### (54) DIAGNOSTIC KIT FOR GENOMIC DNA ISOLATION FROM ANIMALS BLOO

#### Patent Period Started From 27/08/2012 and Will end in 06/08/2032

(57) Genomic DNA Isolation kit is a very quick and easy method for Genomic DNA Isolation from animals Blood. It takes less than 10 min for sample to be ready for loading on agarose gel electrophoresis, which is the shortest available time for separation. It does not need special conditions for isolation; all steps are carrying out at room temperature unlike many other methods. The isolation does not affect whether the sample fresh or stored. All the solutions used in isolation are stable for a long time. This Kit is able to isolate Genomic DNA from animals' blood with high efficiency even with very small sample. It takes a few steps to isolate high quality and quantity of Genomic DNA without lysis or degradation, even after loading on electrophoresis and separation. It is easy, simple and the actual cost is very cheap. Isolated Genomic DNA is suitable for any genetics or molecular applications.



- (21) 1805/2011
- (44) June 2016
- (45) 17/10/2016
- (11) 27751

(51)	Int. Cl. 8 C08L 27/22
(71)	1. National research center (EGPYT)
	2. 3.
<b>(72)</b>	1. Samira Taha Rabee
	2. Manal Mohamed Talaat El-Saidi
	3. Nadia Ragab Mohamed Dawood
	4. RehamAkrm Abdelmoeim Mohamed
(73)	1.
(1-7)	2.
(30)	1.
()	2.
	3.
(74)	NALIONAL RESEARSH CENTER (MAGDA MOHSAB)
(12)	Patent

### (54) SYNTHESIS OF BIOLOGICALLY ACTIVE AND PHOTOSTABLE POLY(VINYL CHLORIDE

### Patent Period Started From 25/10/2011 and Will end in 24/10/2031

(57) The synthesis of effective photostable antimicrobial poly(vinyl chloride), PVC, is the aim of this patent. This can be carried out through substitution reaction of the labile chlorine atom of PVC with the novel synthesized microbial organic compound. The new derived PVC has been prepared and its antimicrobial activity has already been investigated. Physical and chemical studies revealed that the new PVC derivative has high photostability upon exposure to UV radiation. So, the chemical substitution reaction of the newly prepared antimicrobial agent with PVC produced a new polymer with relatively high bioactive character against some types of microorganisms. The new resulting PVC has also been characterized by its high photostability against the deleterious effect of UV radiation that can change both physical and mechanical properties of the final product. The photostability of PVC derivative has been determined by estimating the percentage weight loss, evolution of HCl gas, gel formation and the extent of discoloration of PVC derivative samples upon exposure to UV radiation at different time intervals.



(22) 22/12/2
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(21) 2054/2008

(44) May 2016

(45) 18/10/2016

(11) 27752

(51)	Int. Cl. 8 C07D 239/60, A61K 31/513 & A61P 7/06	
(71)	1. SMITHKL INE BEECHAM CORPORATION (UNITED STATES OF AMERICA) 2. 3.	
(72)	1. DUFFY, Kevin, J.	4. LIU, Ronggang
	2. FITCH, Duke, M.	<ul><li>5. SHAW, Antony, N.</li><li>6. WIGGALL, Kenneth</li></ul>
	3. JIN, Jian	6. WIGGALL, Kenneth
(73)	2.	
(30)	1. (US) 60/805,602 - 23-06-2006	
(00)	2. (PCT/US2007/071854) – 22-06-2007	
	3.	
(74)	NAHED WADIH RIZK	
(12)	Patent	

## (54) PROLYL HYDROXYLASE INHIBITORS Patent Period Started From 22/06/2007 and Will end in 21/06/2027

(57) The invention described herein relates to certain pyrimidinetrione N-substituted glycine derivatives of formula (I), (I) which are antagonists of HIF prolyl hydroxylases and are useful for treating diseases benefiting from the inhibition of this enzyme, anemia being one example.

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology
<b>Egyptian Patent Office</b>



<b>(22)</b>	22/06/2011
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(21) 1084/2011

(44) June 2016

(45) 18/10/2016

(11) 27753

(51)	Int. Cl. <sup>8</sup> C04B 7/36, & F27D 17/00
(71)	1. ITALCEMENTI S.P.A (ITALY) 2. 3.
(72)	1. FEDI, Roberto 2. CLAUSI, Antonio 3. CINTI, Giovanni
(73)	1. 2.
(30)	1. (IT) MI2008A002310 - 23-12-2008 2. (PCT/IB2009/007818) - 17-12-2009 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) PROCESS FOR PURIFYING A FLOW OF COMBUSTION FUMES FROM A CLINKER PRODUCTION PLANT AND RELATIVE APPARATUS

### Patent Period Started From 17/12/2009 and Will end in 16/12/2029

- (57) The present invention concerns a process for purifying a flow of combustion fumes from a clinker production plant comprising the following operating steps:
  - a) removing dust at a temperature comprised between 250 and 400°C from a flow of combustion fumes exiting from a suspension preheater with formation of a flow of combustion fumes free of dust;
  - b) carrying out on said flow of combustion fumes free of dust a selective catalytic NOx reduction treatment with a reducing agent, with formation of a purified flow of combustion fumes. The present invention also concerns an apparatus for carrying out the aforementioned process.

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology
<b>Egyptian Patent Office</b>



<b>(22)</b> 1	6/01	/201	.3
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(21) 0093/2013

(44) June 2016

(45) 18/10/2016

(11) 27754

(51)	Int. Cl. 8 E21B19/22
(71)	1. HELIX ENERGY SOLUTIONS (UNITED KINGDOM) 2. 3.
(72)	<ol> <li>LEIGH, Beck</li> <li>NICOL, Colin</li> <li>With the second second</li></ol>
(73)	1. 2.
(30)	1. (GB) 1011996.4 - 16-07-2010 2. (PCTGB2011/001061) – 15-07-2011 3.
(74) (12)	NAHED WADE REZK Patent

## (54) TUBING APPARATUS AND ASSOCIATED METHODS Patent Period Started From 15/07/2011 and Will end in 14/07/2031

(57) A coiled tubing lifting frame for deploying coiled tubing in a riser. The coiled tubing lifting frame comprises a coiled tubing injector and the frame is configured to position the coiled tubing injector relative to a support. The coiled tubing lifting frame is configured to support the riser. Methods of deploying a riser and coiled tubing in a riser, including supporting the riser with a coiled tubing lifting frame.



- (22) 09/05/2012
- (21) | 0843/2012
- (44) June 2016
- (45) 18/10/2016
- (11) 27755
- (51) Int. Cl. 8 C04B 28/14 **BPB LIMITED (UNITED KINGDOM)** PARNKIA SAHAY - TURNER (72)(73)(GB) 09176123.9 - 16-11-2009 (30)(PCT/EP2010/067475) - 15-11-2010NAHED WADE REZK (74)Patent (12)
  - (54)PLASTER-BASED MATERIAL INCLUDING AN AGENT CAPABLE OF TRAPPING FORMALDEHYDE Patent Period Started From 15/11/2010 and Will end in 14/11/2030

## (57) The present invention relates to a plaster-based material which includes an

agent capable of trapping formaldehyde, in particular a plasterboard intended for the interior fittings of residential buildings. The agent capable of trapping formaldehyde is chosen from ethylene urea and its derivatives, compounds comprising active methylene(s), sulphites, tannins and their mixtures. Another subject-matter of the invention is the use of the said material for reducing the amount of formaldehyde present in the atmosphere inside residential buildings.



(22) 08/05/2013

(21) 0779/2013

(44) June 2016

(45) 18/10/2016

(11) 27756

(51)	Int. Cl. 8 B01D 53/14 & C07D 211/58 & C10K 1/00 & C10L 3/10 & F23J 15/04	
(71)	1. EVONIK DEGUSSA GMBH (GERMANY) 2. 3.	
(72)	<ol> <li>SEILER, Matthias</li> <li>SCHNEIDER, Rolf</li> <li>ROLKER, Jörn</li> <li>DEMBKOWSKI, Daniel</li> <li>NEUMANN, Manfred</li> </ol>	<ul><li>6. WITTHAUT, Daniel</li><li>7. KEUP, Michael</li><li>8. BREHME, Volker</li><li>9. IRFAN, Muhammad</li></ul>
(73)	1. 2.	
(30)	1. (DE) 10 2010 043 838.3 - 12-11-2010 2. (DE) 10 2011 077 377.0 - 10-06-2011 3. (PCT/EP2011/069787) - 10-11-2011	
<b>(74)</b>	NAHED WADE REZK	
(12)	Patent	

### PROCESS FOR ABSORPTION OF ACIDIC GASES FROM GAS **MIXTURES** Patent Period Started From 10/11/2011 and Will end in 09/11/2031

(57) Co2 is absorbed from a gas mixture by contacting the gas mixture with an absorption medium comprising at least water as a solvent and at least one

amine of the formula (i) in which r1 is an aliphatic radical having 2 to 6 carbon atoms and at least one amino group, and r2 is hydrogen, a c1-4-

alkyl radical or an r1 radical.

$$\mathbb{R}^{2}$$
 $\mathbb{N}$ 
 $\mathbb{R}^{1}$ 
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 $\mathbb{N}$ 
 $\mathbb{N}$ 
 $\mathbb{N}$ 
 $\mathbb{N}$ 
 $\mathbb{N}$ 
 $\mathbb{N}$ 
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Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology
Fountian Patent Office



- (22) 10/10/2012
- (21) 1731/2012
- (44) June 2016
- (45) 18/10/2016
- (11) 27757

(51)	Int. Cl. <sup>8</sup> C08K 3/36 & H01B 3/44, 9/00
(01)	
/=4\	1 DODEALICAC (AUCTRIA)
<b>(71)</b>	1. BOREALIS AG (AUSTRIA)
	2.
	3.
(72)	1. NILSSON, Ulf
( )	2. HAGSTRAND, Per-Ola
	3. ENGLUND, Villgot
	4. RONGSHENG, Liu
(73)	1.
(,,,)	2.
(30)	1. (EP) 10159842.3 - 14-04-2010
(50)	2. (PCT/EP2011/053025) – 10-03-2011
	<b>3.</b>
(74)	NAHED WADE REZK
(12)	Patent

# (54) CROSSLINKABLE POLYMER COMPOSITION AND CABLE WITH ADVANTAGEOUS ELECTRICAL PROPERTIES Patent Period Started From 10/03/2011 and Will end in 28/02/2031

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

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology
<b>Egyptian Patent Office</b>



<b>(22)</b>	20/11/2013
(/	_ 0, , _ 0 _ 0

- (21) 1788/2013
- (44) June 2016
- (45) 18/10/2016
- (11) 27758

(51)	Int. Cl. 8 C03C25/26, 25/34 & D06M 13/00 & C08G 12/00
(71)	1. SAINT-GOBAIN ISOVER (FRANCE) 2. 3.
(72)	<ol> <li>DIDIER, Benoit</li> <li>FOTI, Fabio</li> <li>OBERT, Edouard</li> <li>JAFFREWNOU,BORIS</li> </ol>
(73)	1. 2.
(30)	1. (FR) 1154549 - 25-05-2011 2. (PCT/FR2012/051184) – 25-05-2012 3.
(74)	NAHED WADE REZK
(12)	Patent

# (54) FORMALDEHYDE-FREE SIZING COMPOSITION FOR FIBRES, IN PARTICULAR MINERAL FIBRES, AND RESULTING PRODUCTS

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

(57) The present invention relates to a formaldehyde-free sizing composition for products based on fibres, in particular mineral fibres, such as glass or rock fibres, which comprises: - at least one non-reducing sugar, - at least one catalyst for the dehydration of the non-reducing sugar, - at least one amine, - and at least one compound comprising activated ethylenic unsaturation(s). Another subject of the present invention is the products thus obtained, in particular thermal and/or acoustic insulators based on mineral wool and veils of nonwoven mineral fibres, and the process for the manufacture thereof.



- (22) 24/09/2014
- (21) 1505/2014
- (44) June 2016
- (45) 18/10/2016
- (11) 27759

(51)	Int. Cl. 8 C02F 3/12
(71)	1. XYLEM IP MANAGEMENT S.A.R.L. (LUXEMBOURG) 2. 3.
(72)	1. UBY, Lars 2. 3.
(73)	1. 2.
(30)	1. (SE) 1250307-4 - 28-03-2012 2. (PCT/SE2013/050123) - 13-02-2013 3.
<b>(74)</b>	SOHAIR ,SAMIA,SALWA MIKHAEEL REZK
(12)	Patent

## (54) TREATMENT PLANT FOR SEWAGE TREATMENT Patent Period Started From 13/02/2013 and Will end in 12/02/2033

(57) The invention relates to a treatment plant for waste water treatment, comprising a circulation tank, which is arranged to accommodate waste water up to a predetermined filling height, and at least one aerator section arranged at the bottom of the circulation tank, which aerator section is arranged to supply gas bubbles to the waste water, the circulation tank having a predetermined direction of flow along which the waste water is arranged to flow. The treatment plant is characterized in that the same comprises a partition wall arranged transversely to the circulation tank downstream the aerator section, which partition wall has an upper end that in the vertical direction is situated at a height (h) that is lower than 25% of the above-mentioned filling height (H).

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<b>(22)</b>	07/10/2013
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- (21) 1556/2013
- (44) June 2016
- (45) 19/10/2016
- **(11)** | **27760**

( = 4 \	L. CI 8 D2D 27/22 9 C001 5/10
(51)	Int. Cl. 8 B32B 27/32 & C08J 5/18
(71)	1. INEOS EUROPE AG (SWITZERLAND)
(11)	2.
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(72)	1. LIBOTTE, Annick
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(13)	2.
(30)	1. (EP) 11161738.7 - 08-04-2011
(30)	2. (PCT/EP2012/056046) – 03-04-2012
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<b>(74)</b>	SAMAR AHMED EL LABBAD
<b>(12)</b>	Patent

## (54) LAMINATE COMPRISING A POLYOLEFIN LAYER ADHERED TO A BASE LAYER

### Patent Period Started From 03/04/2012 and Will end in 02/04/2032

(57) laminate is disclosed comprising a polyolefin layer of a composition comprising a blend of 90-99.7wt% of a copolymer of propylene and at least one a-olefin, and 0.3-10wt% of a polyethylene having a density of 940 kg/m3 or less, adhered to a base layer comprising a propylene homopolymer or a copolymer of propylene and up to 5wt% of C2-C10 alpha- olefin units other than propylene. The laminate may optionally be metallised.

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Egyptian Patent Office



(22)   0	3/30/2014
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- (21) 0492/2014
- (44) June 2016
- (45) 19/10/2016
- **(11)** | **27761**

(51)	Int. Cl. <sup>8</sup> E21B 33/13
(71)	1. ENI S.P.A. (ITALY)
(, =)	2.
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(72)	1. LULLO DI, Alberto Giulio
. ,	2. GHETTO DE, Giambattista
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(73)	1.
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(30)	1. (IT) MI2011A001782 - 03-10-2011
` ′	2. (PCT/IB2012/055125) – 26-09-2012
	3.
<b>(74)</b>	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) METHOD FOR STOPPING OR AT LEAST REDUCING THE UNCONTROLLED RELEASE OF HYDROCARBONS, BLOWOUT, FROM A HYDROCARBON EXTRACTION WELL

#### Patent Period Started From 26/09/2012 and Will end in 25/09/2032

(57) Method for stopping or at least reducing the uncontrolled release of hydrocarbons, blowout, from a well for the extraction of hydrocarbons, which comprises introducing high-density solids at the bottom of the well, through a suitable line, having a polyhedral, spheroidal, ellipsoidal or paraboloidal form, regular or irregular, possibly coated with swelling polymeric material in contact with the fluids leaving the well, the smallest dimension of said solids being greater than 1 mm and the largest dimension less than 100 mm, so that said solids introduced accumulate by random packing at the bottom of the well, forming a column which totally, or at least partially, blocks the uncontrolled release of said hydrocarbons.

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<b>(22)</b>	08/09/2013
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(21) 1405/2013

(44) April 2016

(45) 19/10/2016

(11) 27762

(51)	Int. Cl. 8 A01N 59/02, 59/16 & A01P 7/04
(71)	1. SHAH, DEEPAK, PRANJIVANDAS (INDIA)
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(72)	1. SHAH, Deepak, Pranjivandas
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(73)	1. 2.
(30)	1. (IN) 664/MUM/2011 - 10-03-2011
	2. (PCT/IN2012/000163) – 09-03-2012
	3.
<b>(74)</b>	SAMAR AHMED EL LABBAD
<b>(12)</b>	Patent

### (54) AGRICULTURAL CHEMICAL COMPOSITION INCLUDING ZINC, SULPHUR AND A PESTICIDAL ACTIVE

### Patent Period Started From 09/03/2012 and Will end in 08/03/2032

(57) The present invention relates to an agricultural composition comprising at least one insecticidal active ingredient selected from cartap, fipronil, pirimicarb, buprofezine, thiachloprid, acetamiprid, clothianidin, chloropyrifos, diafenthiuron, novaluron, flubendiamide, spirotetramat, thiamcthoxam, imidacloprid or salts thereof in the range of 0.1% to 10% of the total.



- (22) 27/03/2013
- (21) 0514/2013
- (44) July 2016
- (45) 23/10/2016
- (11) 27763

(51)	Int. Cl. 8 A61F 13/15, 13/514
(71)	1. AMR MOHAMED MAHFOZ AHMED NADA (EGYPT) 2. 3.
(72)	1. AMR MOHAMED MAHFOZ AHMED NADA 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
<b>(74)</b>	
(12)	Patent

### (54) WOMEN'S DIAPER DEVELOPER IS USED EITHER ALONE OR IN LAYERS

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

(57) Women's diaper developer is used either single or in layers as the diaper is composed of a single upper layer containing any number of holes to be impermeable to water and two layers of absorbent cellulose ground with a mixture of high-polymer absorption exist between the upper layer and the bottom layer of the diaper and working the bottom layer of the diaper as a non-impermeable to liquids in case of using a single diaper where the adhesive put (double face) is working on the one hand to fill the holes of the front of the layer absorbent on the other hand are pasted in women's clothes or in the case of using a double diaper or in layers which takes her fellow with other diaper is removed layer adhesive (double face) completely holes until the bottom layer of the diaper located holes on the upper layer of the other diaper.

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<b>(22)</b>	06/08/2013
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(21) 1286/2013

(44) July 2016

(45) 24/10/2016

(11) 27764

(51)	Int. Cl. 8 B01D 11/02 & C01D 3/08 & C04B 7/24
(71)	1. SOLVAY SA (BELGIUM)
()	2. 3.
(72)	BLONDEL, Jean-Marie     HUMBLOT, Cédric
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(73)	1. 2.
(30)	1. (EP) 11153920.1 - 09-02-2011 2. (PCT/EP2012/052191) – 09-02-2012 3.
(74)	WAGDI NABEEH AZIZ
(12)	Patent

## (54) PROCESS FOR THE PURIFICATION OF A RESIDUE Patent Period Started From 09/02/2012 and Will end in 08/02/2032

(57) Process for the purification of a residue containing solids and mother liquor and having a chloride ion content greater than 5000ppm by weight relative to the weight of the residue which comprises (a) piston washing said residue with a washing fluid and (b) recovering a purified residue.

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- (22) 17/02/2013
- (21) 0253/2013
- (44) April 2016
- (45) |24/10/2016
- (11) 27765

(51)	Int. Cl. 8 C07C 51/00
(71)	1. GRUPO PETROTEMEX, S.A. DE C.V. (MEXICO) 2. 3.
(72)	1. PARKER, Kenny, Randolph 2. BLAIR, Larry, Wayne 3.
(73)	1. 2.
(30)	1. (US) 12/860,128 - 20-08-2010 2. (PCT/US2011/047317) – 11-08-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) IMPROVING TEREPHTHALIC ACID PURGE FILTRATION RATE BY CONTROLLING % WATER IN FILTER FEED SLURRY

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

(57) The process relates improving terephthalic acid purge filtration rate by controlling % water in filter feed slurry and to the recovery of a metal catalyst from oxidizer purge stream produced in the synthesis of carboxylic acid, typically terephthalic acid, while utilizing pressure filtration.

Arab Republic of Egypt
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- (22) 04/03/2012
- (21) 0388/2012
- (44) June 2016
- (45) |24/10/2016
- (11) 27766

(51)	Int. Cl. 8 A01N 25/00, 25/24, 25/30, 43/56 & A01P 7/04
(71)	1. E. I. DU PONT DE NEMOURS AND COMPANY (UNITED STATES OF AMERICA) 2. 3.
(72)	1. TAM, Wilson 2. 3.
(73)	1. 2.
(30)	1. (US) 61/239.909 - 04-09-2009 2. (PCT/US2010/047802) 03-09-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) ANTHRANILIC DIAMIDE COMPOSITIONS FOR PROPAGULE COATING

#### Patent Period Started From 03/09/2010 and Will end in 02/09/2030

(57) Disclosed is an insecticidal composition comprising by weight based on the total weight of the composition: (a) from about 9 to about 91% of one or more anthranilic diamide insecticides; and (b) from about 9 to about 91% of a nonionic ethylene oxide-propylene oxide block copolymer component having a water solubility of at least about 5% by weight at 20 ?C, a hydrophilic-lipophilic balance value of at least about 5 and an average molecular weight ranging from about 1500 to about 20000 daltons; wherein the ratio of component (b) to component (a) is about 1 10 to about 10: 1 by weight. Also disclosed is a geotropic propagule coated with an insecticidally effective amount of the aforedescribed composition. Further disclosed is a liquid composition consisting of about 5 to 80 weight % of the aforedescribed composition and about 20 to 95 weight % of a volatile aqueous liquid carrier, and a method for protecting a geotropic propagule and plant derived therefrom from a phytophagous insect pest, the method comprising coating the propagule with an insecticidally effective amount of the aforedescribed liquid composition and then evaporating the volatile aqueous liquid carrier.

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- (22) 29/07/2012
- (21) | 1331/2012
- (44) April 2016
- (45) |24/10/2016
- **(11)** | 27767

(51)	Int. Cl. 8 C07C 51/265, 63/26 & B01J 8/22, 10/00
(71)	1. GRUPO PETROTEMEX, S.A. DE (MEXICO) 2. 3.
(72)	<ol> <li>SHAIKH, Ashfaq</li> <li>WONDERS, Alan,</li> <li>LANGE, David</li> </ol>
(73)	1. 2.
(30)	1. (US) 61/299,455 – 29-01-2010 2. (US) 61/299,453 - 29-01-2010 3. (US) 61/299,450 - 29-01-2010 4. (US) 12/957,730 - 01-12-2010 5. (PCT/US2010/059626) – 09-12-2010
<b>(74)</b>	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) A SYSTEM FOR PRODUCING A POLYCARBOXYLIC ACID BY CONTAINING A SLURRY WITH A GAS-PHASE OXIDANT

### Patent Period Started From 09/12/2010 and Will end in 08/12/2030

(57) A system for producing a polycarboxylic acid by containing a slurry with a gas-phase oxidant, said system comprising: a primary oxidation reactor comprising a first slurry outlet; and a secondary oxidation reactor comprising ashurry inlet, a second slurry outlet, a normally lower oxidant inlet, and a normally upper oxidant inlet, wherein said slurry inlet is in downstream fluid-flow communication with said first slurry outlet, wherein said secondary oxidation reactor defines therein a secondary reaction zone having a maximum length l, and a maximum diameter d, wherein said normally lower oxidant inlet is spaced from the bottom of said secondary reaction zone by less than 0.5, wherein said normally upper oxidant inlet is spaced from the bottom of said secondary reaction zoneby at least 0.5, wherein said slurry inlet is spaced from the bottom of said secondary reaction zoneby a distance in the range of from about 0.3, to about 0.9.



- (22) 09/09/2013
- (21) |1411/2013
- (44) June 2016
- (45) 25/10/2016
- (11) 27768

(51)	Int. Cl. 8 B01J 2/04, 2/16 & C05C 9/00
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(72)	1. BEDETTI, Gianfranco 2. 3.
(73)	1. 2.
(30)	1. (EP) 11157702.9 - 10-03-2011 2. (PCT/EP2012/053370) – 28-02-2012 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## PROCESS AND APPARATUS FOR PRODUCTION OF A GRANULAR UREA PRODUCT

### Patent Period Started From 28/02/2012 and Will end in 27/02/2032

(57) A process for production of a granular urea product in a fluidized-bed where: small droplets of fresh urea melt are contacted with a cooling medium to form solid particles, said solid particles are contacted with droplets of urea melt which are larger than said germ particles, the solid particles and said droplets forming together larger solid particles, and said solid particles further increasing their size step by step and upon contact with droplets of urea melt, until the solid particles reaches a given size, and said solid particles are then subject to a further growing process by contact with liquid droplets now smaller than the solid particles, until a desired size of the granular product is reached.

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Academy of Scientific Research & Technology	
Egyptian Patent Office	



- (22) 19/2/2014
- (21) 0243/2014
- (44) June 2016
- (45) 25/10/2016
- (11) 27769

(51)	Int. Cl. 8 E21B 19/24
(71)	1. BAKER HUGHES INCORPORATED (UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>RICHARD, Bennett M</li> <li>XU, Yang</li> <li>Windows and Market M</li> </ol>
(73)	1. 2.
(30)	1. (US) 13/246,634 - 27-09-2011 2. (PCT/US2012/051861) – 22-08-2012 3.
(74)	NAHED WADE REZK
(12)	Patent

## (54) METHOD AND SYSTEM FOR HYDRAULIC FRACTURING Patent Period Started From 22/08/2012 and Will end in 21/08/2032

(57) A fracturing operation is done in open hole without annular space isolation. The annular space is spanned by extendable members that are located behind isolation valves. The extendable members can comprise a biodegradable plug that allows extension of the extendable members by application of pressure. With the plug remained in place, additional pressure can be delivered until at least a portion of the degradable material is pushed onto the surface of the formation. At least a portion of the pushed degradable material provides a seal between the end of the extendable members and the surface of the formation to allow pressure to build until the formation frac gradient is exceeded and the formation is fraced.

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(22) 01/09/2013
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- (21) | 1371/2013
- (44) July 2016
- (45) 31/10/2016
- **(11)** | **27770**

(51)	Int. Cl. 8 B67B 1/06
(71)	1. CLOSURE SYSTEMS INTERNATIONAL INC. (UNITED STATES OF AMERICA) 2. 3.
(72)	1. ZEMLIN, Karl, E. 2. 3.
(73)	1. 2.
(30)	1. (US) 61/448,749 - 03-03-2011 2. (US) 13/369,437 - 09-02-2012 3. (PCT/US2012/026729) - 27-02-2012
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) CAPPING CHUCK ASSEMBLY Patent Period Started From 27/02/2012 and Will end in 26/02/2032

(57) A capping chuck assembly embodying the present invention comprises an outer chuck housing, and inner, central guide disc upon which a plurality of circumferentially spaced gripper segments are mounted. Each gripper segment includes an inner jaw portion for engagement with an associated closure, and an outer cam surface. The outer chuck housing defines a plurality of inwardly facing, cam drive surfaces positioned for respective engagement with the outer cam surfaces of the gripper segments, so that rotational drive of the outer chuck housing collectively drives the gripper segments and guide disc to urge the segments radially into engagement with an associated closure.

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- (22) 03/03/2013
- (21) 0353/2013
- (44) July 2016
- (45) 31/10/2016
- (11) 27771

(51)	Int. Cl. 8 G01V 9/02 & E21B 47/00, 47/04
(71)	1. LANDMARK GRAPHICS CORPORATION(UNITED STATES OF AMERICA) 2. 3.
(72)	<ol> <li>SWEATMAN, Ronald, E</li> <li>MCCOLPIN, Glenn, R.</li> <li>DAVIS, Eric, J.</li> <li>MARSIC, Scott, D.</li> </ol>
(73)	1. 2.
(30)	1. (US) 12/875,235 - 03-09-2010 2. (PCT/US2011/036652) – 16-05-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) DETECTING AND CORRECTING UNINTENDED FLUID FLOW BETWEEN SUBTERRANEAN ZONES

### Patent Period Started From 16/05/2011 and Will end in 15/05/2031

(57) Detecting and correcting unintended fluid flow between subterranean zones. At least some of the illustrative embodiments are methods that include: injecting a first fluid into a subterranean zone, the injecting by way of a first borehole; making a reading indicative of surface deformation; identifying, based on the surface deformation reading, a flow path for a second fluid out of the subterranean zone; drilling a second borehole that intersects the flow path; and placing a sealing compound into the flow path by way of the second borehole, the sealing compound reduces the flow of the second fluid through the flow path.

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<b>(22)</b>	22/01	/2012

- (21) 0123/2012
- (44) July 2016
- (45) 31/10/2016
- (11) 27772

(51)	Int. Cl. <sup>8</sup> E21B 43/26
(71)	1. HALLIBURTON ENERGY SERVICES, INC. (EGYPT) 2. 3.
(72)	1. EAST, Loyd, Eddie, Jr 2. SOLIMAN, Mohamed, Y 3. AUGUSTINE, Jody, R
(73)	1. 2.
(30)	1. (US) 61/228,494 - 24-07-2009 2. (US) 61/243.453 - 17-09-2009 3. (US) 12/566.467 - 24-09-2009 4. (PCT/UG2010/001407) - 23-07-2010
<b>(74)</b>	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) METHOD FOR INDUCING FRACTURE COMPLEXITY IN HYDRAULICALLY FRACTURED HORIZONTAL WELL COMPLETIONS

#### Patent Period Started From 23/07/2010 and Will end in 22/07/2030

(57) A method of inducing fracture complexity within a fracturing interval of a subterranean formation comprising characterizing the subterranean formation, defining a stress anisotropy- altering dimension, providing a wellbore servicing apparatus configured to alter the stress anisotropy of the fracturing interval of the subterranean formation, altering the stress anisotropy within the fracturing interval, and introducing a fracture in the fracturing interval in which the stress anisotropy has been altered. A method of servicing a subterranean formation comprising introducing a fracture into a first fracturing interval, and introducing a fracture into a third fracturing interval, wherein the first fracturing interval and the third fracturing interval are substantially adjacent to a second fracturing interval in which the stress anisotropy is to be altered.

### **Arab Republic of Egypt**

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# GRANTED PATENTS' ABSTRACTS GAZETTE "PATENTS ISSUED IN NOVEMBER 2016"

### **Egyptian Patent Office**

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### **Preface**

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

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

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

**Acting President of Patent Office** 

Mr. Adel El-Saeid Oweide

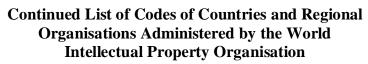
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Bibliographic data	symbol
Patent Number	11
Patent Kind	12
Application Number	21
Filing Date	22
Priority Number	
Priority Date	30
<b>Priority Country</b>	
Issuance Date	45
<b>International Patent Classification</b>	51
Title	54
Abstract	57
Applicant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



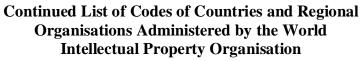
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Code	Country
AE	United Arab emairates
AF	Afghanistan
AG	Antigua and Barbuda
AL	Albania <sup>)</sup>
AM	Armenia
AO	Angola
AR	Argentina
AT	Austria
AU	Australia
AZ	Azerbaijan
ВА	Bosin and Herzegovina
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BD	Bangladesh
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CF	Central African Republic
CG	Congo
СН	Switzerland
CI	Cote D'Ivoir
CL	Chile
CM	Cameroon
CN	China
CO	Colombia

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CZ	Czech Republic
DE	Germany
DK	Denmark
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DO	Dominician Republic
DZ	Algeria
EC	Ecuador
EE	Estonia
EG	Egypt
EP	<b>European Patant Office</b>
ES	Spain
ET	Ethiopia
FI	Finland
FR	France
GA	Gabon
GB	United Kingdom
GCC	<b>Gulf Co-Operation Cauncile</b>
GD	Grenada
GE	Georgia
GH	Ghana
GM	Gambia
GN	Guinea
GQ	Equatorial Guinea
GR	Greece
GT	Guatemala
GW	Guinea-Bissau
GY	Guyana
HK	Hong Kong
HN	Honduras
HR	Croatia
HU	Hungary
ID	Indonisia
IE	Ireland



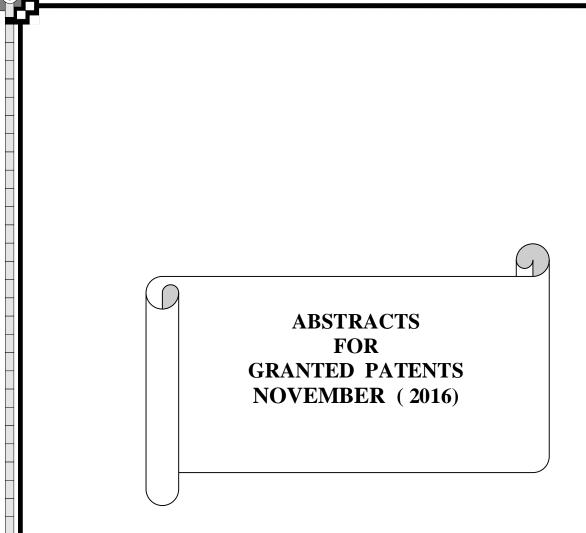
Code	Country
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IQ	Iraq
IR	Iran
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KE	Kenya
KG	Kyrgyzstan
KM	COMOROS
KN	Saint Kitts and Nevis
KP	D. P's. R. of Korea
KR	Republic of Korea
KW	Kuwait
KZ	Kozakhstan
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LR	Liberia
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LT	Lithuania
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MA	Moracco
MC	Monaco
MD	Republic of Moldova
ME	Montenegro
MG	Madagascar

Code	Country
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ML	Mali
MN	Mongolia
MR	Mauritania
MT	Malta
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MX	Mexico
MY	Malaysia
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NG	Nigeria
N	Nicaragua
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PY	Paraguay
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RO	Romania
RS	Serbia
RU	Russian Federation
RW	Rwanda
SA	Saudi Arabia



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SI	Slovenia
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ST	Saotome and Principe
SV	El Salvador
SY	Syrian Arab Republic
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TH	Thailand
TM	Turkmenistan
TN	Tunisia
TR	Turkey
TT	Trindad and Topago
TW	Taiwan
TZ	United Republic of Tanzania
UA	Ukraine
UG	Uganda
US	United States of America
UY	Uruguay
UZ	Uzbekistan
VC	Saint Vincent and the Grenadines

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



<b>Arab Republic of Egypt</b>
Ministry of State for Scientific Research
Academy of Scientific Research & Technology
Egyptian Patent Office



- (22) 18/11/2012
- (21) 1912/2012
- (44) July 2016
- (45) 01/11/2016
- (11) 27773

(51)	Int. Cl. <sup>8</sup> B01F 5/10, 3/08, 3/12
(71)	1. SIG TECHNOLOGY AG (SWITZERLAND) 2. 3.
(72)	<ol> <li>SPELTEN, Franz-Willi</li> <li>KLUTH, Bernd</li> <li>Weight to the second second</li></ol>
(73)	1. 2.
(30)	1. (DE) 10 2010 023 832.5 – 10-06-2010 2. (PCT/DE2011/001054) – 05-05-2011 3.
(74)	NAZEH AKHNOKH SADEK ELYAS
(12)	Patent

### (54) DEVICE AND METHOD FOR STORING PRODUCTS Patent Period Started From 05/05/2011 and Will end on 04/05/2031

(57) The method and the device serve for storing a product inside a receptacle. The product consists of a first liquid component and at least one second component. Inside the receptacle the product is circulated by a conveying device which is positioned in the region of a tubular guide element arranged inside a receptacle. At least one component of the product fed into the receptacle first flows into an interior space of the guide element.



PCT

- (22) 30/12/2013
- (21) 2004/2013
- (44) July 2016
- (45) 02/11/2016
- (11) 27774

(51)	Int. Cl. <sup>8</sup> A24D 1/14 & A24F 1/30
	11MHD 1/1H W 11MH1 1/30
<b>(71)</b>	1. SHISHAPRESSO S.A.L. (LEBANON)
, ,	2.
	3.
(72)	1. JALLOUL, Samer
	2. EL HAJJ, Georges
	3. JABER, Nabil
(73)	1.
()	2.
(30)	1. (US) 61/503.187 - 30-06-2011
(30)	2. (PCT/GB2012/050067) – 13-01-2012
	3.
<b>(74)</b>	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) PREPACKAGED SMOKABLE MATERIAL CAPSULE Patent Period Started From 13/01/2012 and Will end on 12/01/2032

(57) Disclosed is a prepackaged smokable material capsule, comprising a container having an internal volume that allows a user to place a packaged amount of shisha or similar tobacco product into a hookah bowl without physical contact therewith. The capsule has a removable seal, an inlet, outlet and an internal agitator means within the capsule. The seal removably covers its upper inlet and lower outlet prior to use. Once removed, the inlet and outlet are preferably pre- perforated, or alternatively may then be perforated by a user, prior to a layer of coals be placed thereonto for burning the capsule contents and allowing smoke to be drawn therefrom. The imbedded agitator provides a means to control the density of the capsule contents and prevent clumping to ensure free flowing passage of air therethrough. Also disclosed is a capsule retainment system comprising a hookah bowl and capsule clamp.



PCT

- (22) 05/12/2010
- (21) 2058/2010
- (44) August 2016
- (45) 02/11/2016
- (11) 27775

(51)	Int. Cl. 8 A61B 21/08 & A63B 21/65, 23/00
(71)	1. HOSSAM ELDIN KOTB ABASS ALI ELMOHR (EGYPT) 2. 3.
(72)	1. HOSSAM ELDIN KOTB ABASS ALI ELMOHR 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	Dotont
(12)	Patent

### (54) ARTERIAL CLOSURE APPARATUS (A.C.A) Patent Period Started From 05/12/2010 and Will end on 04/12/2030

(57) Training method (Ischemia -Hyperemia): Is the training depends on the outputs of the work and anaerobic muscle development that deliberately working under anaerobic conditions. Work Iskemia By preventing the arrival of the arterial blood either of the Parties to the top through the closure of the brachial artery or the lower limbs by closing femoral artery or both parties is done through a closure of the arterial (A.C.A.) Download and then give it a physical immediately followed by creation of the so-called situation Reactive Hyperemia (Increase in the rate of blood flow to the member after the closure of a temporary arterial flow rate of the user) and through the opening of the device (A.C.A.) Arterial Closure Apparatus (A.C.A.) A device through which to prevent the arrival of the arterial blood, either of the Parties to the top by closing the brachial artery or the lower limbs by closing femoral artery or both.



PCT

- (22) 27/06/2012
- (21) 1184/2012
- (44) April 2016
- (45) 06/11/2016
- (11) 27776

(51)	Int. Cl. <sup>8</sup> G01V 1/155
(71)	1. BP EXPLORATION OPERATING COMPANY LIMITED (UNITED KINGDOM) 2.
	3.
(72)	<ol> <li>HARPER, Mark</li> <li>DELLINGER, Joseph, A</li> <li>THOMPSON, Martin</li> <li>OPENSHAW, Graham</li> </ol>
(73)	1. 2.
(30)	1. (US) 61/290,611 - 29-12-2009 2. (PCT/US2010/062329) – 29-12-2010 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) MARINE SEISMIC SOURCE Patent Period Started From 29/12/2010 and Will end on 28/12/2030

(57) A marine seismic source comprises a housing having a central axis, an open end, and a closed end opposite the open end. In addition, the seismic source includes a piston extending coaxially through the open end of the housing. The piston is adapted to axially reciprocate relative to the housing. Further, the piston has a first end distal the housing and a second end disposed within the housing.



PCT

- (22) 26/11/2012
- (21) 1971/2012
- (44) May 2012
- (45) 06/11/2012
- (11) 27777

(51)	Int. Cl. 8 C09C 1/02, 1/42, 3/04 & D21H 17/00, 19/00
(71)	1. OMYA DEVELOPMENT AG. (SWITZERLAND)
	2.
	3.
<b>(72)</b>	1. BURI, Matthias
	2. GANE, Patrick A.C.
	3.
(73)	1.
	2.
(30)	1. (EP) 10164211.4 - 28-05-2010
. ,	2. (US) 61/472,713 - 07-04-2011
	3. (PCT/EP2011/058649) – 26-05-2011
<b>(74)</b>	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) PROCESS FOR MANUFACTURING HIGH SOLIDS SUSPENSIONS OF MINERAL Patent Period Started From 26/05/2011 and Will end on 25/05/2031

(57) The present invention relates to a process for manufacturing high solids aqueous suspensions of mineral materials comprising the steps of providing at least one mineral material, preparing an aqueous suspension comprising the at least one mineral material, grinding the resulting aqueous suspension, centrifuging the ground aqueous suspension, and concentrating the centrifuged product of step (d) by flash cooling; the high solids aqueous suspension of mineral materials obtained by this process, as well as the use thereof.



PCT

- (22) 07/06/2012
- (21) 1043/2012
- (44) May 2016
- (45) 07/11/2016
- (11) 27778

(51)	Int. Cl. 8 A01B 39/10 & H02K 25/00
(71)	1. AYMAN NADI RADI ABDULLAH (EGYPT) 2. 3.
(72)	1. AYMAN NADI RADI ABDULLAH 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	UTILITY MODEL
(12)	Patent

## (54) MACHINE FOR GRUBBING THE UNDERGROUND OF FARMING LINES Patent Period Started From 07/06/2012 and Will end on 06/06/2019

(57) The present invention relates to a machine for grubbing the underground of farming lines for removing weeds pulled off by hands. The machine is based on a small engine powering a main rotary shaft secured to a round magnet. The said machine has other magnets fixed onto the spring-laden rods. Upon activating the main rotary shaft, magnetic field is generated, causing other magnets to move via attraction and expulsion with the main round magnet. This is resulted in moving the spring-laden rods and springs act to facilitate the movement back and forth, right and left. Such rods are connected to hanging arms at the end of which three different axes of suitable length according the depth of the lines to be grubbed. Such axes are on vibrating movement helping in removing weeds from the underground of the line. Such machine helps to run a speedy grubbing process while saving effort and energy required.



PCT

- (22) 27/04/2013
- (21) 0574/2013
- (44) April 2016
- (45) 07/11/2016
- (11) 27779

(51)	Int. Cl. <sup>8</sup> A24D 3/06	
(71)	1. CELANESE ACETATE LLC 2. 3.	
(72)	<ol> <li>BURKE, Peter</li> <li>GUSIK, Meinhard</li> <li>HUFEN, Julia</li> </ol>	4. JIMENEZ, Luis 5. ROBERTSON, Raymond 6. SRINIVASAN, Ramesh
(73)	1. 2.	
(30)	1. (US) 61/390,213 - 06-10-2010 2. (US) 61/390;211 - 06-10-2010 3. (US) 12/981,909 - 30-12-2010 4. (PCT/US2011/20013) - 03-01-2011 5. (PCT/US2011/43269) - 07-07-2011 6. (PCT/US2011/044142) - 15-07-2011	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

## (54) SMOKE FILTERS FOR SMOKING DEVICES WITH POROUS MASSES HAVING A DESIRED VOID VOLUME

### Patent Period Started From 15/07/2011 and Will end on 14/07/2031

(57) Disclosed are filters, smoking devices, related articles and apparatus, and related methods. The filters include porous masses that have an active particle and a binder particle, wherein the void volume is about 40% to about 90%.



**PCT** 

(22) 21/11/2011

(21) | 1963/2011

(44) May 2016

(45) 06/11/2016

(11) 27780

(51)	Int. Cl. 8 C04B 28/02, 28/04	
(71)	1. LAFARGE (FRANCE) 2. 3.	
(72)	<ol> <li>WOYTOWICH, Wes</li> <li>CARRUTHERS, Bill</li> <li>COTNOIR, Benoit</li> </ol>	4. LEHOUX, Paul 5. MCCORKLE, Richard 6. BOWMAN, Eric
(73)	1. 2.	
(30)	1. (US) 61/180,665 - 22-05-2009 2. (PCT/US2010/035560) - 20-05-2010 3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

#### (54)LOW DENSITY CEMENTITIOUS COMPOSITIONS Patent Period Started From 20/05/2010 and Will end on 19/05/2030

(57) A manufactured cementitious binder including a hydraulic binder in an amount in the range of from about 40 to 75% by weight of the cementitious binder; metakaolin in an amount greater than about 5% by weight of the cementitious binder; silica fume in an amount up to about 15% by weight of the cementitious binder; and cement kiln dust in an amount greater than about 10% by weight of the cementitious binder, the cement kiln dust including chlorine in an amount of at least 0.1% by weight of the cement kiln dust, the cementitious binder providing a cementitious settable composition, when added with water and without a lightweight additive, that has a density lower than about 13 pounds per gallon and greater than about 11 pounds per gallon and a 24 hour compressive strength at 100F, as hardened, of at least 500psi.



PCT

- (22) 03/04/2013
- (21) 0557/2013
- (44) July 2016
- (45) |08/11/2016
- (11) 27781

(51)	Int. Cl. 8 G10L 19/02, 21/00	
(71)	<ol> <li>FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN</li> <li>FORSCHUNG E.V. (GERMANY)</li> <li>VOICEAGE CORPORATION (CANADA)</li> </ol>	
(72)	<ol> <li>MULTRUS, Markus</li> <li>GRILL, Bernhard</li> <li>NEUENDORF, Max</li> <li>RETTELBACH, Nikolaus</li> <li>FUCHS, Guillaume s</li> </ol>	6. GOURNAY, Philippe 7. LEFEBVRE, Roch 8. BESSETTE, Bruno 9. WILDE, Stephan
(73)	1. 2.	
(30)	1. (US) 61/390,267 - 06-10-2010 2. (PCT/EP2011/067318) - 04-10-2011 3.	
(74)	NAHED WADE REZK	
(12)	Patent	

# (54) APPARATUS AND METHOD FOR PROCESSING AN AUDIO SIGNAL AND FOR PROVIDING A HIGHER TEMPORAL GRANULARITY FOR A COMBINED UNIFIED SPEECH AND AUDIO CODEC (USAC)

#### Patent Period Started From 04/10/2011 and Will end on 03/10/2031

(57) An apparatus for processing an audio signal is provided. The apparatus comprises a signal processor and a configurator. The signal processor is adapted to receive a first audio signal frame having a first configurable number of samples of the audio signal, Moreover, the signal processor is adapted to upsample the audio signal by a configurable upsampling factor to obtain a processed audio signal. Furthermore, the signal processor is adapted to output a second audio signal frame having a second configurable number of samples of the processed audio signal. The configurator is adapted to configure the signal processor based on configuration information such that the configurable upsampling factor is equal to a first upsampling value when a first ratio of the second configurable number of samples to the first configurable number of samples has a first ratio value. Moreover, the configurator is adapted to configure the signal processor such that the configurable upsampling factor is equal to a different second upsampling value, when a different second ratio of the second configurable number of samples to the first configurable number of samples has a different second ratio value. The first or the second ratio value is not an integer value.



PCT

- (22) 03/02/2013
- (21) 0172/2013
- (44) July 2016
- (45) 08/11/2016
- (11) 27782

(51)	Int. Cl. 8 C03C 17/36
(71)	1. SAINT-GOBAIN GLASS FRANCE. (FRANCE)
	2. 3.
(72)	1. MAUVERNAY, Bruno
	2. CHARLET, Emilie
	3. SINGH, Laura Jane
	4. POIROT, Charlotte
(73)	1,
` ′	2.
(30)	1. (FR) 1056531 - 10-08-2010
()	2. (PCT/FR2011/051776) – 22-07-2011
	3.
(74)	NAHED WADE REZK
(12)	Patent

## (54) GLASS PANEL HAVING SUN-SHIELDING PROPERTIES Patent Period Started From 22/07/2011 and Will end on 21/07/2031

(57) The invention relates to a sun-shielding glass panel, including a glass substrate and a stack of layers having a sun-shielding function, said stack of layers incorporating a layer which selectively absorbs the infrared radiation, the wavelength of which is greater than 800 nm, said absorbent layer consisting of a titanium oxide substituted with an element X selected from Nb or Ta, the atomic percent [X/Ti+X] being around 4% to around 9%, and the thickness of said absorbent layer being around 20 to around 200 nanometers.



PCT

- (22) 30/12/2009
- (21) 1932/2009
- (44) May 2016
- (45) 08/11/2016
- (11) 27783

(51)	Int. Cl. <sup>8</sup> B01J 8/06 & C07C 5/32
(71)	1. SAUDI BASIC INDUSTRIES CORPORATION (SAUDI ARABIA)
(/1)	2.
	3.
(72)	1. KÖSTERS, Peter, Hubertus
	2.
	3.
(73)	1.
	2.
(30)	1. (EP) 07022847.3 - 26-11-2007
( /	2. (EP) 07013192.5 - 05-07-2007
	3. (PCT/EP2008/005265) – 25-06-2008
(74)	NAHED WADE REZK
<b>(12)</b>	Patent

### (54) PROCESS FOR PERFORMING AN ENDOTHERMIC REACTION Patent Period Started From 25/06/2008 and Will end on 24/06/2028

(57) Process for performing an endothermic reaction in a reactor containing catalyst tubes, the catalyst tubes containing a catalyst promoting the endothermic reaction, the process comprising the steps of a. contacting the catalyst contained in the catalyst tubes with a feed flow passing through the channels from an entrance end to an exit end, b. contacting an outer surface of the catalyst tubes with a flow of a heating medium having an initial heating temperature and flowing co-currently with the flow of feeds to heat the surface by convection, c. mixing at least part of the heating medium after having been contacted with the catalyst tubes with a flow of fresh heating medium having a start temperature higher than the initial heating temperature to form the co-current heating medium having the initial heating temperature and reactor for carrying out the process.



PCT

(22) 17/01/2013

(21) 0097/2013

(44) July 2016

(45) 08/11/2016

27784 **(11)** 

(51)	Int. Cl. <sup>8</sup> G10L 19/00	
(71)	<ol> <li>FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN</li> <li>FORSCHUNG E.V. (GERMANY)</li> <li>3.</li> </ol>	
(72)	<ol> <li>FUCHS, Guillaume</li> <li>SUBBARAMAN, Vignesh</li> <li>MULTRUS, Markus</li> <li>RETTELBACH, Nikolaus</li> </ol>	<ul><li>5. HILDENBRAND, Matthias</li><li>6. WEISS, Oliver</li><li>7. TRITTHART, Arthur</li><li>8. WARMBOLD, Patrick</li></ul>
(73)	1. 2.	
(30)	1. (US) 61/365,936 - 20-07-2010 2. (PCT/EP2011/062478) - 20-07-2011 3.	
(74)	NAHED WADE REZK	
(12)	Patent	

#### AUDIO ENCODER, AUDIO DECODER, METHOD FOR (54)ENCODING AN AUDIO INFORMATION, METHOD FOR DECODING AN AUDIO INFORMATION AND COMPUTER PROGRAM USING AN OPTIMIZED HASH TABLE

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

57) An audio decoder for providing a decoded audio information on the basis of an encoded audio information comprises an arithmetic decoder for providing a plurality of decoded spectral values on the basis of an arithmetically encoded representation of the spectral values, and a frequency-domain-to-time-domain converter for providing a time-domain audio representation using the decoded spectral values, in order to obtain the decoded audio information. The arithmetic decoder is configured to select a mapping rule describing a mapping of a code value representing a spectral value, or a most significant bit-plane of a spectral value, in an encoded form, onto a symbol code representing a spectral value, or a most significant bit-plane of a spectral value, in a decoded form, in dependence on a context state described by a numeric current context value. The arithmetic decoder is configured to determine the numeric current context value in dependence on a plurality of previously decoded spectral values. The arithmetic decoder is configured to evaluate a hash table, entries of which define both significant state values amongst the numeric context values and boundaries of intervals of numeric context values, in order to select the mapping rule, wherein the hash table ari hash m is defined as given in Figs. 22(1), 22(2), 22(3) and 22(4). The arithmetic decoder is configured to evaluate the hash table, to determine whether the numeric current context value is identical to a table context value described by an entry of the hash table or to determine an interval described by entries of the hash table within which the numeric current context value lies, and to derive a mapping rule index value describing a selected mapping rule in dependence on a result of the evaluation.



PCT

- (22) 08/04/2013
- (21) 0579/2013
- (44) July 2016
- (45) 08/11/2016
- (11) 27785

(51)	Int. Cl. 8 C09D 5/00, 127/12, 167/02
(71)	1. AKZO NOBEL POWDER COATINGS (NINGBO) CO., LTD. (CHINA) 2. 3.
(72)	1. WANG, Lijun 2. JIANG, Wei 3. BELL, Graeme Alan 4. CHAKRAVORTY, Nirmalya
(73)	1. 2.
(30)	1. (EP) 11154925.9 - 18-02-2011 2. (PCT/CN2010/077704) - 13-10-2010 3. (PCT/CN2011/080733) - 13-10-2011
(74)	NAHED WADE REZK
(12)	Patent

## (54) HYBRID POLYESTER FLUOROCARBON POWDER COATING COMPOSITION AND PROCESS FOR MANUFACTURE THEREOF

### Patent Period Started From 13/10/2011 and Will end on 12/10/2031

(57) Hybrid polyester-fluorocarbon powder coating composition and manufacture thereof are provided. These powder coating compositions are manufactured in a process comprising the steps of: - Preparation of a polyester powder coating composition A, comprising a polyester resin and a curing agent for said polyester resin; - Preparation of a fluorocarbon powder coating composition B, comprising a fluorocarbon resin and a curing agent for said fluorocarbon resin; and - Dry blending said polyester powder coating composition A and fluorocarbon powder coating composition B, wherein the weight ratio of polyester powder coating composition A to fluorocarbon powder coating composition B is in the range of 70:30 to 30:70.



PCT

(22) 12/09/2012

(21) 1574/2012

(44) July 2016

(45) 08/11/2016

(11) 27786

(51)	Int. Cl. 8 B22D 41/34, 41/40, 41/56
(71)	1. VESUVIUS GROUP S.A. (BELGIUM ) 2. 3.
(72)	<ol> <li>BOISDEQUIN, Vincent</li> <li>COLLURA, Mariano</li> <li>SIBIET, Fabrice</li> </ol>
(73)	1. 2.
(30)	1. (EP) 10157127.1 - 19-03-2010 2. (PCT/EP2011/001325) – 17-03-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) INNER NOZZLE FOR TRANSFERRING MOLTEN METAL CONTAINED IN A METALLURGICAL VESSEL AND DEVICE FOR TRANSFERRING MOLTEN METAL

#### Patent Period Started From 17/03/2011 and Will end on 16/03/2031

- (57) The invention relates to an inner nozzle for casting molten metal from a metallurgical vessel, said inner nozzle comprising
  - a) a substantially tubular portion with an axial through bore;
  - b) an inner nozzle plate comprising a bottom flat contact surface enclosed within a perimeter (Pm) and a second surface opposite the bottom contact surface and joining the wall of the tubular portion to the side edges of the plate, said side edges defining the perimeter and thickness of the plate, the inner nozzle further comprising c) a metallic casing cladding at least a portion of some or all of the side edges and second surface but not the sliding plane (Pg) of the inner nozzle plate and provided with d) a metallic bearing surface, facing towards and recessed with respect to the contact surface and extending from the cladded portion of the side edges beyond the perimeter (Pm) of the contact surface, characterised in that the bearing surface is defined by the ledges of at least two separate bearing elements distributed around the perimeter of the plate.



PCT

- (22) 14/05/2013
- (21) 0821/2013
- (44) June 2016
- (45) 09/11/2016
- (11) 27787

(51)	Int. Cl. 8 A61M 5/315	
(71)	1. OTSUKA PHARMACEUTICAL CO., 2. 3.	LTD. (JAPAN)
(72)	<ol> <li>KAKIUCHI Makoto</li> <li>SHIMAZAKI Seiji</li> <li>TAKESHIMA Yasuhiko</li> </ol>	4. HIRAOKA Shogo 5. KAKIUCHI Makoto
(73)	1. 2.	
(30)	1. (JP) 2010-256188 - 16-11-2010 2. (PCT/JP2011/076385) - 16-11-2011 3.	
(74)	NAHED WADE REZK	
(12)	Patent	

## (54) TWO-CHAMBERED CONTAINER-CUM-SYRINGE AND SYRINGE-FILLED ARIPIPRAZOLE Patent Period Started From 16/11/2011 and Will end on 15/11/2031

(57) A two-chambered container-cum-syringe provided with: an outer tube having a bypass part; a hub luer-lock; a front stopper; a middle stopper that, along with the front stopper, seals the pharmaceutical preparation (S); an end stopper, that, along with the middle stopper, seals the liquid drug (L); a finger grip; and a plunger rod that is connected to the end stopper from the rearward end; wherein a female screw part that twists around the axis line is formed on the inner circumferential surface of the finger grip and a male screw part capable of engaging with the female screw part is formed on the outer circumferential surface of the plunger rod.



PCT

- (22) 25/07/2012
- (21) | 1302/2012
- (44) April 2016
- (45) 10/11/2016
- (11) 27788

(51)	Int. Cl. 8 G01V 1/22, 1/20
(71)	1. GECO TECHNOLOGY B.V. (NETHERLANDS) 2. 3.
(72)	<ol> <li>FONNELAND, Jostein</li> <li>PAPWORTH, Stuart</li> <li>VIRGIN, Brian Lee</li> </ol>
(73)	1. 2.
(30)	1. (US) 12/694,923 - 27-01-2010 2. (PCT/US2011/022330) – 25-01-2011 3.
<b>(74)</b>	ABD ELHADY Office
(12)	Patent

## (54) PROVIDING COMMUNICATIONS REDUNDANCY USING ONE OR MORE LOOP CONNECTIONS IN A SUBTERRANEAN SURVEY SYSTEM

### Patent Period Started From 25/01/2011 and Will end on 24/01/2031

(57) A subterranean survey system includes a sensor string having a communications link and a plurality of survey sensors connected to the communications link. The sensor string has a loop connection to provide communications redundancy, and the survey sensors are used to detect signals affected by a subterranean structure. A first router is connected to the sensor string, and a transport network is connected to the first router. The first router communicates data from the survey sensors over the transport network.



PCT

- (22) 03/03/2010
- (21) 0350/2010
- (44) June 2016
- (45) 10/11/2016
- (11) 27789

(51)	Int. Cl. 8 A61M 16/00
(71)	1. AYMAN MOHAMED OSMAN ELKAHKY (EGYPT)
` /	2.
	3.
(72)	1. SAYED ABD EL KADER ELSHISHI
	2.
	3.
(73)	1.
( - )	2.
(30)	1.
(0 0)	2.
	3.
(74)	Sayed abd El Kader El sheshe
<b>(12)</b>	UITITY MODEL

(54)	The Slipper tracheal tube
	Patent Period Started From 03/03/2010 and Will end on 02/03/2017

(57) The slipper tube present inside the fixed tracheal stent. This suggested slipper stent will prevent the recurrent life threatening obstrution of the stent by keeping it patent as it will removed, cleaned and reinserted by the patient himself.

Accordingly, a clear airway will be insured keeping the patient safe at home.

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology
<b>Egyptian Patent Office</b>



PCT

- (22) 06/03/2013
- (21) 0373/2013
- (44) April 2016
- (45) 10/11/2016
- (11) 27790

(51)	Int. Cl. 8 B23H 5/04, 9/10, 9/00	
(71)	1. GENERAL ELECTRIC COMPANY (UI 2. 3.	NITED STATES OF AMERICA)
(72)	<ol> <li>ZHAN, Yimin</li> <li>PENG, Zhixue</li> <li>GUO, Yuanyuan</li> <li>YUAN, Renewi</li> <li>ARCIONI, Massimo</li> </ol>	6. LI, Hongtao 7. NELSON, Garth, M 8. LUO, YUANFENG 9. CHIARI, Francescosaverio
(73)	1. 2.	
(30)	1. (CN) 201010282608 14-09-2010 2. (PCT/US2011/051392)- 13-09-2011 3.	
(74)	ABD ELHADI OFFICE	
(12)	Patent	

#### (54)MACHINING SYSTEMS AND METHODS Patent Period Started From 13/09/2011 and Will end on 12/09/2031

(57) A machining system for machining a workpiece is provided. The machining system comprises a machine tool, a plurality of cutting tools, a CNC controller. The plurality of tools comprises an electrode and a conventional cutting tool exchangeably disposed on the machine tool. The machining system further comprises a power supply, a process controller, and an electrolyte supply. Wherein the machine tool, the electrode, the CNC controller, the power supply, the process controller and the electrolyte supply are configured to cooperate to function as an electroerosion machining device; and the machine tool, the CNC controller, the conventional cutting tool and the electrolyte supply are configured to cooperate to function as a conventional machining device, and wherein the machining system is configured to function alternately as the electroerosion machining device and the conventional machining device. A method for making a machined workpiece comprising one or more conduits is also presented.



(22) | 27/09/2012 (21) | 1668/2012

(21) | 1668/2012 (44) | May 2016

(45) 14/11/2016

 $\frac{1}{1}$  (11) 27791

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<b>Egyptian Patent Office</b>	
	PCT

(51)	Int. Cl. 8 C09K 8/50, 8/508 & E21B 43/02
(71)	1. PRAD RESEARCH AND DEVELOPMENT LIMITED (UNITED STATES OF AMERICA) 2.
(72)	3. 1. PHATAK, Alhad 2. 3.
(73)	1. 2.
(30)	1. (US) 12/752,665 - 01-04-2010 2. (PCT/US2011/028760) – 17-03-2011 3.
(74)	AMRO ELDEEP
(12)	Patent

### (54) METHOD OF SUBTERRANEAN FORMATION TREATMENT Patent Period Started From 17/03/2011 and Will end on 06/03/2031

(57) A method of treating a subterranean formation with a xanthan-viscosified cesium formate brine wherein the pH and/or another characteristic selected from density, xanthan loading, sodium formate loading, potassium formate loading and combinations thereof are modified to delay solid hydrogel formation and maintain pumpability. Also disclosed is a method of delaying onset of solid hydrogel formation, in a gel comprising cesium formate brine viscosified with xanthan polymer, comprises introducing acid into the brine in an amount effective for a pH from 7 to 11, wherein the acid introduction is before, during or after xanthan viscosification and prior to hydrogel formation, wherein the hydrogel formation in the acidified gel occurs at a later time relative to the same gel at a natural pH.



**PCT** 

- (22) 09/01/2013
- (21) 0045/2013
- (44) April 2016
- (45) |14/11/2016
- (11) 27792

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(51)	Int. Cl. 8 A01N 25/08, 25/12, 39/02, 43/40, 43	/76, 43/90, 47/36 & A01P 13/00
(71)	1. DOW AGROSCIENCES LLC. (UNITED STATES OF AMERICA) 2.	
	3.	
<b>(72)</b>	1. DAVE, Hiteshkumar	5. MANN, Richard
( )	2. LIU, Lei	6. GIFFORD, James
	3. BOUCHER, Raymond	7. HUANG, Yi-hsiou
	4, OUSE, David	8. MCVEIGH-NELSON, AEndrea
(73)	1.	
()	2.	
(30)	1. (US) 61/364,615 - 15-07-2010	
(00)	2. (PCT/US2011/043929) – 14-07-2011	
	3.	
(74)	ABD ELHADI OFFICE	
(12)	Patent	

# (54) SOLID PHASE HERBICIDAL COMPOSITIONS WITH ADJUVANTS Patent Period Started From 14/07/2011 and Will end on 13/07/2031

(57) The present invention is related to solid phase herbicidal compositions with adjuvants comprising herbicide selected from the formulae: as ar, r, x, y are defined herein, and their salts and esters, and the present invention is also related to method of preparation thereof and using the same to control weeds in flooded rice paddies or fields.



PCT

- (22) 09/06/2014
- (21) 0633/2014
- (44) April 2016
- (45) | 14/11/2016
- (11) 27793

(51)	Int. Cl. 8 B26B 21/44, 19/40
(71)	1. THE GILLETTE COMPANY (UNITED STATES OF AMERICA)
	2. 3.
(72)	1. XU, Xiaolan
	2. WAIN, Kevin James
	3.
(73)	1.
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(30)	1. (PCT/CN2011/083782) – 09-12-2011
()	2.
	3.
(74)	
<b>(12)</b>	Patent

(54)	FLUID DISPENSING SHAVING RAZOR
	Patent Period Started From 09/12/2011 and Will end on 08/12/2031

(57) A fluid dispensing shaving razor having a fluid interconnect member with a fluid port extending from a base member at a first end. A cartridge housing mounted to the fluid interconnect member. A fluid applicator is mounted to a second end of the fluid interconnect member. A handle has a first end with a resilient member defining an opening. The fluid port is releasably engaged within the opening of the resilient member. A fluid dispensing shaving razor includes a fluid interconnect member with a fluid port extending from a base member at a first end. A cartridge housing is mounted to the fluid interconnect member. A fluid applicator is mounted to a second end of the fluid interconnect member. A handle has a first end with a resilient member defining an opening. The fluid port is releasably engaged within the opening of the resilient member.



PCT

- (22) 7/03/2011
- (21) 0370/2011
- (44) July 2016
- (45) 15/11/2016
- (11) 27794

(51)	Int. Cl. <sup>8</sup> A61N 1/18
(71)	1. VONMAT ELECTRO TREATMENT SYSTEMS CC (SOUTH AFRICA)
	2. 3.
(72)	1. MATTHEE, Willem Abraham
	2. 3.
(73)	1.
(20)	2.
(30)	1. (ZA) 2008/07696 - 08-09-2008 2. (PCT/ZA2009/000081) - 08-09-2009
	3.
<b>(74)</b>	SAMAR AHMED EL LABBAD
<b>(12)</b>	Patent

### (54) FREQUENCY GENERATING APPARATUS Patent Period Started From 08/09/2009 and Will end on 07/09/2029

(57) The invention relates to a frequency generating apparatus. More specifically, the invention relates to a frequency generating apparatus for treating a human or animal body by suppressing a disease causing organism within the human or animal body by subjecting the organism to specific frequencies. The frequency generating apparatus includes an integrated circuit capable of generating a range of frequencies and/or cycle of frequencies, electrodes for exposing the frequencies to a plurality of subjects, individual timers for timing the exposure time of each of the subjects and notification means for notifying the subjects of the lapse of a preset amount of time. The main advantage of the frequency generating apparatus is it's capability of treating a plurality of subjects simultaneously and without interference to each other regardless of when any of the subjects enter and/or exit the treatment.



PCT

- (22) 26/06/2008
- (21) 1098/2008
- (44) May 2016
- (45) | 15/11/2016
- (11) 27795

(51)	Int. Cl. 8 A61K 31/437, C07D 471/14, 471/0	4 & A(	51P 37/00
(71)	1. ASTELLAS PHARMA INC (JAPAN) 2. 3.		
(72)	<ol> <li>INOUE, Takayuki</li> <li>TANAKA, Akira.</li> <li>NAKAI, Kazuo.</li> <li>SASAKI, Hiroshi.</li> <li>TAKAHASHI, Fumie.</li> <li>SHIRAKAMI, Shohei</li> </ol>	7. 8. 9. 10. 11.	HATANAKA, Keiko. NAKAJIMA, Yutaka. MUKOYOSHI, Koichiro. HAM-AGUCHI, Hisao. KUNIKAWA, Shigeki. HIGASHI, Yasuyuki.
(73)	1. 2.	•	
(30)	1. (JP) 2005-378858 - 28-12-2005 2. (PCT/JP2006/326327) - 25-12-2006 3.		
(74)	SAMAR AHMED EL LABBAD		
(12)	Patent		

### (54) PYRROLO OR IMIDAZOLO PYRIDINE DERIVATIVES AS JANUS KINASE 3 INHIBITORS

#### Patent Period Started From 25/12/2006 and Will end on 24/12/2026

(57) The present invention provides a compound of formula (I) having an excellent JAK3 inhibition activity and being useful as an active ingredient of an agent for treating and-or preventing various immune diseases including autoimmune diseases inflammatory diseases, and allergic diseases. The compound according to the present invention has an inhibition activity against JAK3 and is thus useful as an active ingredient of an agent for treating or preventing diseases caused by undesirable cytokine signal transmission (e.g., rejection during organ/tissue transplantation, autoimmune diseases, multiple sclerosis, rheumatoid arthritis, psoriasis, asthma, atopic dermatitis, Alzheimer's disease, and atherosclerotic disease), or diseases caused by abnormal cytokine signal transmission (e.g., cancer and leukemia).



PCT

- (22) 17/12/2013
- (21) 20131927
- (44) July 2016
- (45) 15/11/2016
- (11) 27796

(51)	Int. Cl. <sup>8</sup> C23F 11/00	
(71)	1. BAKER HUGHES INCORPORATED (UI 2. 3.	NITED STATES OF AMERICA)
(72)	<ol> <li>MAZYAR, Oleg A</li> <li>JOHNSON, Michael</li> <li>GAUDETTE, Sean</li> <li>CARREJO, Nicholas</li> </ol>	<ul><li>5. FURLAN, Wayne</li><li>6. GAUDETTE, Sean</li><li>7. XU, Zhiyue</li></ul>
(73)	1. 2.	
(30)	1. (US) 13/194,271 - 29-07-2011 2. (PCT/US2012/047163) – 18-07-2012 3.	
<b>(74)</b>	NAHED WADIH RIZK	
(12)	Patent	

# (54) METHOD OF CONTROLLING THE CORROSION RATE OF ALLOY PARTICLES, ALLOY PARTICLE WITH CONTROLLED CORROSION RATE, AND ARTICLES COMPRISING THE PARTICLE

### Patent Period Started From 18/07/2012 and Will end on 17/07/2032

(57) A composite particle comprises a core, a shielding layer deposited on the core, and further comprising an interlayer region formed at an interface of the shielding layer and the core, the interlayer region having a reactivity less than that of the core, and the shielding layer having a reactivity less than that of the interlayer region, a metallic layer not identical to the shielding layer and deposited on the shielding layer, the metallic layer having a reactivity less than that of the core, and optionally, an adhesion metal layer deposited on the metallic layer.



PCT

- (22) 02/12/2012
- (21) 1988/2012
- (44) July 2016
- (45) 16/11/2016
- (11) 27797

(51)	Int. Cl. <sup>8</sup> E04B 1/348 & B28B 19/00 , 7/22
(71)	1. MEDRAN LOPEZ, FRANCISCO (SPAIN) 2. 3.
(72)	<ol> <li>MEDRAN LOPEZ, FRANCISCO</li> <li>3.</li> </ol>
(73)	1. MEDRAN LOPEZ, FRANCISCO 2.
(30)	1. (ES) P201000706 - 31-05-2010 2. (PCT/ES2010000306) -25- 08-2010 3.
<b>(74)</b>	MOHAMED ABDUL AAL ABDUL ALIM AHMED
(12)	Patent

### (54) METHOD FOR PRODUCING COMPACT MODULES FOR CONSTRUCTION

### Patent Period Started From 25/08/2010 and Will end on 24/08/2030

(57) The procedure foresees the production in the factory of a lost shuttering consisting of six pieces - floor, walls and ceiling - which are joined to one another via the edges thereof using high-strength filler, the lower base having spacer plugson the flooror the chosen supporting surface, the outer face of the lost shuttering having the utility installations and, thereon, the insulation material), where necessary, followed by a reinforcement and, lastly, recoverable exterior shuttering.



**PCT** 

- (22) 16/12/2012
- (21) 2063/2012
- (44) April 2016
- (45) 17/11/2016
- (11) 27798

(51)	Int. Cl. <sup>8</sup> A01N 25/32, 47/28, 47/30, 47/34 & A01P 5/00, 7/00, 7/02, 7/04, 9/00, 11/00, 15/00, 17/00, 19/00, 23/00
(71)	1. ROTAM AGROCHEM INTERNATIONAL CO., LTD (CHINA) 2. 3.
(72)	<ol> <li>BRISTOW, JAMES TIMOTHY</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (BR) PI1002174-4 - 17-06-2010 2. (PCT/CN2011/074622) - 25-05-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

## (54) PESTICIDAL COMPOSITION Patent Period Started From 25/05/2011 and Will end on 24/05/2031

(57) An agrochemical composition comprising a C2-C4 dialkylene glycol di-/mono- C1-C4 alkyl ether is provided. A method of controlling pests at a locus using the composition and a use of the C2-C4 dialkylene glycol di-/mono- C1-C4 alkyl ether in reducing the eye irritancy of benzoylphenyl urea active ingredients are also provided.



PCT

- (22) 01/10/2013
- (21) 1533/2013
- (44) August 2016
- (45) 20/11/2016
- (11) 27799

(51)	Int. Cl. 8 C09K 8/34 & C10M 105/04 & C09D 11/02, 5/34 & C11D 3/18 & A61K 8/30, 31/00
(71)	1. TOTAL MARKETING SERVICES (FRANCE) 2.
	3.
(72)	1. GERMANAUD, Laurent
, ,	2. LAMRANI-KERN, Samia
	3.
(73)	1.
	2.
(30)	1. (FR) 1153005 - 06-04-2011
	2. (PCT/EP2012/056354) – 05-04-2012
	3.
<b>(74)</b>	MAGDA SHEHATA HAROUN , NADIA SHEHATA HAROUN
(12)	Patent

### (54) SPECIAL FLUID COMPOSITION Patent Period Started From 05/04/2012 and Will end on 04/04/2032

(57) The invention relates to a special fluid composition including at least one hydrogenated monoterpene and/or at least one hydrogenated polyterpene in a mixture with at least one special fluid, for industrial uses such as in the petroleum industry, the construction industry, e.g. sealants and paint, adhesives, the ink industry, metal working, the treatment and protection of metals, but also for domestic uses and in the agri-food system and sanitary industry.



PCT

- (22) 15/12/2013
- (21) 1906/2013
- (44) August 2016
- (45) |20/11/2016
- **(11)** | **27800**

(51)	Int. Cl. 8 B01J 20/02, 27/04, 23/72, 37/20, 27/043 & B01D 53/64
(71)	1. IFP Energies Nouvelles (FRANCE) 2.
(72)	<ol> <li>PORCHERON Fabien</li> <li>BAUDOT Arnaud</li> <li>BARTHELET Karin</li> </ol>
(73)	1. 2.
(30)	1. (FR) 12/62.526 - 21-12-2012 2. (FR) 12/62.527 - 21-12-2012 3.
(74)	MAGDA HAROON
(12)	Patent

### POLYMETALLIC CAPTURE MASS FOR CAPTURING HEAVY METALS

### Patent Period Started From 15/12/2013 and Will end on 14/12/2033

(57) The invention concerns a capture mass for capturing heavy metals in a liquid or gaseous effluent, comprising a porous solid support, copper sulphide and at least one second metal sulphide, the metal of which is selected from the group constituted by chromium, manganese, iron, cobalt and nickel, and in which the ratio of the percentage by weight of the metal or metals other than copper to the percentage by weight of copper is in the range 0.01 to 2. The invention also concerns a process for preparing said capture mass and a process for capturing heavy metals in a liquid or gaseous effluent, in which said effluent is brought into contact with said capture mass.



PCT

- (22) 12/11/2010
- (21) 1855/2010
- (44) July 2016
- (45) 20/11/2016
- (11) 27801

(51)	Int. Cl. 8 A61M 16/00
(71)	1. MOHAMED LOFTY MOHAMED IBRAHIM (EGYPT) 2.
	3.
(72)	1. MOHAMED LOFTY MOHAMED IBRAHIM
	2.
	3.
(73)	1.
	2.
(30)	1.
( /	2.
	3.
(74)	
(12)	Patent

## (54) A DEVICE FOR TREATMENT OF HYDROCEPHALUS AND ARACHNOID CYSTS Patent Period Started From 12/11/2010 and Will end on 11/11/2030

(57) This is a device to shunt c. S. F to subarachnoid space in cases of hydrocephalus and arachnoid cysts this tshaped tube is made of silicon, one limb is put in the lateral ventricle or in the subarachnoid cyst the other 2 limbs are put in the subarachnoid space to shunt the c.s.f. This tube has avoided the complications of the ventriculo peritoneal shunt as there is no pressure gradient this prevents the obstruction of the tube.



PCT

- (22) 12/12/2012
- (21) 0172/2013
- (44) June 2016
- (45) 21/11/2016
- (11) 27802

(51)	Int. Cl. 8 A01N 47/36, 47/30
(71)	1. ISHIHARASANGYO KAISHA, LTD. (JAPAN) 2. 3.
(72)	<ol> <li>KIKUGAWA, Hiroshi</li> <li>KEZUKA, Tomoaki</li> <li>YAMADA, Kenkyusho         TERADA, Takashi</li> </ol>
(73)	1. 2.
(30)	1. (JP) 2010-135400 - 14-06-2010 2. (JP) 2010-229645 - 12-10-2010 3. (PCT/JP 2011/063625) - 08-06-2011
(74)	SOHEER MICHEAL REZK & / or SALWA MICHEAL REZK
(12)	Patent

## (54) HERBICIDAL COMPOSITION Patent Period Started From 08/06/2011 and Will end on 07/06/2031

(57) At present, many herbicidal compositions have been developed and used, but there are a variety of types of weeds to be controlled, and their development lasts for a long period of time. Thus, a high active and long-residual herbicidal composition having a broad herbicidal spectrum has been desired. The present invention provides a synergistic herbicidal composition comprising (A) flazasulfuron or its salt and (B) at least one urea compound selected from the group consisting of tebuthiuron, diuron and metobromuron or its salt. According to the synergistic herbicidal composition of the present invention, a high active and long-residual herbicidal composition having a broad-spectrum can be provided.



PCT

- (22) |02/09/2013
- (21) | 1380/2013
- (44) August 2016
- (45) 21/11/2016
- (11) 27803

(51)	Int. Cl. 8 C04B 35/64, 35/465
	1 NATIONAL DECEAD OUT CENTED (ECVET)
(71)	1. NATIONAL RESEARCH CENTER (EGYPT) 2.
	3.
(72)	1. Doaa Abdel Nabi Abdel Aziz Ismiel
	2. Ahmad Fauzi Mohd Noor
	3. Umar Al-Amani
(73)	1.
( - )	2.
(30)	1.
( /	2.
	3.
(74)	MAGDA MHASSEB ELSAYED
(3 -)	
(12)	Patent

# (54) ELECTRO- CERAMICS BODIES FROM MAGNESIUM TITANATE - SODIUM NODNYUM TITANATE - USED IN WIRELESS INFORMATION NETWORKS AT 18 GHZ FREQUENCY

#### Patent Period Started From 02/09/2013 and Will end on 01/09/2033

(57) Method for preparation electro ceramic bodies from Magnesium titanate and titanate sodium Nodnyum and through the partial replacement from magnesium titanate by Sodium Nodnyum, according to the following chemical formula:) 1-x (MgTiO3) - x (Na0.5 Nd0.5) TiO3(x = .20, 0.30, 0.40 and0.50 mol The different batch compositions were prepared from Magnesium titanate and titanate sodium Nodnyum blended together and then grind, dried and calcined at 1100 oC for four hours. Where the addition of 0.5% mol sodium titanate Nodnyum to 0.5% mol Magnesium titanate led to improvement in the density up to about 4.40 g / cm 3 and high quality factor up to 180,000 at 18 GHz frequency. Therefore, it is recommended the application of this mixture containing the highest values of the quality factor in the production of ceramic bodies can be used in the circuit for wireless networks, such as cellular phones and satellites, the Internet and radar filters and filters.



PCT

(22) 01/03/2005

(21) 0102/2005

(44) April 2016

(45) 22/11/2016

(11) 27804

(51)	Int. Cl. 8 A61K 31/11, 31/19, 31/573, 36/738, 36/752, 45/06, A61P17/00, 17/06, 17/08
(71)	1. MOHAMED ZAKARIA AHMED ALI MASRY (EGYPT) 2. 3.
(72)	1. MOHAMED ZAKARIA AHMED ALI MASRY 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

## (54) TOPICAL TREATMENT FOR PSORIASIS, ECZEMA,BED ULCER, LEG ULCER AND BURNES Patent Period Started From 01/03/2005 and Will end on 28/02/2025

(57) Topical ointment combines both the antimicrobial and antifungal properties it is incorporated in well formulated acidic base which allows acetic acid to posses its antimicrobrial and keratolytic action it is useful in treatment of chronic psoriasis and is useful for managing the symptoms of psoriasis such as itching inflammation dryness and flakiness of skin as well as helping to manage the skin infection often associated with psoriais it is also useful in treatment of chronic lichnified eczema lichen planus lichen simplex pityriasis rupra pillaris it is also useful in ulceration such as bed ulcer leg ulcer and all type of burns.



**PCT** 

- (22) 28/08/2013
- (21) | 1363/2013
- (44) August 2016
- (45) 23/11/2016
- (11) 27805

(51)	Int. Cl. 8 E02D 27/34 & E04B 1/98 & E04H 9/02
(71)	1. Maha Ebrahim Elsaid Hassan (EGYPT)
	2.
	3.
(72)	1. Maha Ebrahim Elsaid Hassan
()	2.
	3.
(73)	1.
(, )	2.
(30)	1.
(00)	2.
	3.
(74)	Alexandria University Focal Point
(12)	Patent

### (54) EARTHQUAKE-RESISTANT BUILDING WITH SPHERICAL BASE AND DAMPER PADS Patent Period Started From 28/08/2013 and Will end on 27/08/2033

(57) This invention is an earthquake-resistant building that is supported on spherical base which is able to tilt. Consequently, the building remains stable through the weight of the half-spherical part. The stability of the building is also maintained through the damper pads that support sides of the half-spherical part from outside and therefore, reducing the force causing titling of the building.

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology
<b>Egyptian Patent Office</b>



PCT

(22) 17/02/2013

(21) 0246/2013

(44) July 2016

(45) 23/11/2016

(11) 27806

(51)	Int. Cl. <sup>8</sup> H04W 16/26, 72/04	
(71)	1. NTT DOCOMO, INC. (JAPAN) 2. 3.	
(72)	1. MORIOKA, Yasufumi	4. TAKAHASHI, Hideaki
	2. YAMADA, Akira	5. IWAMURA, Mikio
	3. HAGIWARA, Junichiro	
(73)	1.	
. ,	2.	
(30)	1. (JP) 2012/0023478–16-08-2010	
( /	2. (PCT/JP2011/068322) – 10-08-2011	
	3.	
(74)	MAHMOUD RAGAEY ELDEKY	
(12)	Patent	

#### (54) METHOD, RELAY NODE AND BASE STATION FOR MOBILE COMMUNICATION SYSTEM

#### Patent Period Started From 10/08/2011 and Will end on 09/08/2031

(57) A base station generates first setting information which is used both in the setting of a logical path for communication with a user device and in the setting of a logical path for communication with a relay node, and second setting information which is only used in the setting of a logical path for communication with the relay node; and transmits a first RRC message, containing the first setting information, to the relay node, and then subsequently transmits a second RRC message, containing the second setting information, to the relay node. The first setting information includes information showing the order of priority of wireless bearers according to the logical path, information showing the use method for resources in an SPS, information showing SRS resources, configuration information for an MAC sub-layer, and information relating to changes to a security encryption key due to handover; the second setting information includes at least notification information and MBSFN information.



PCT

- (22) 17/07/2012
- (21) 1266/2012
- (44) July 2016
- (45) 23/11/2016
- **(11)** | 27807

(51)	Int. Cl. <sup>8</sup> E02B 15/10
(71)	<ol> <li>Moheeb Mohamed Fakhry Mohamed Ibrahim (EGYPT)</li> <li>3.</li> </ol>
(72)	<ol> <li>Moheeb Mohamed Fakhry Mohamed Ibrahim</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (AE)P565/2012 – 30-05-2012 2. 3.
(74)	MAHMOUD RAGI ELDOKI
(12)	Patent

(54)	SMART OIL SKIMMER
	Patent Period Started From 17/07/2012 and Will end on 16/07/2032

(57) My oil skimmer in the application environment is simple as suction or vacuum skimmer use a vacuum to remove oil from the water surface, the 'skimmer' is only a small cylindrical floating head connected to an external source of vacuum, such as a pump or a vacuum truck, The simplicity of the skimmer head design enables their reliable and maintenance-free.



**PCT** 

(22) 05/01/2014

(21) |0012/2014

(44) August 2016

(45) 23/11/2016

(11) 27808

(51)	Int. Cl. 8 B63C 11/22, 11/08	
(71)	1. Robert Bosch GmbH (GERMANY)	
(71)	2.	
	3.	
(72)	1. MOELLER, Rudolf	4. MEYER, Heinz-Hermann
(12)	2. FORSSLUND, Johan	5. HUBEIN, Isabell
	3. SCHULZ, Janett	6. LUESSENHOP, Riccardo
(73)	1.	
. ,	2.	
(30)	1. (DE) 10 2011 107 026.9 - 09-07-2011	
(00)	2. (PCT/EP2012/002587) – 20-06-2012	
	3.	
(74)	NAHED WADI RIZK TARAZI	
(12)	Patent	

(54)	DIVING EQUIPMENT	
	Patent Period Started From 20/06/2012 and Will end on 19/06/2032	

(57) The invention relates to diving equipment, comprising a compressed air bottle which is connected to a breathing apparatus, and an inflatable jacket via which buoyancy can be balanced by the jacket in normal operation being connected to the compressed air bottle in order to be inflated or to an outlet in order to let off air. Furthermore, a monitoring device is provided, which can be activated via a control valve as a function of a surrounding water pressure and has a time monitoring unit which, after the expiry of a defined time and in the event of the absence of breathing activity in the breathing apparatus, changes to emergency operation and activates an emergency valve via a control line, which connects the jacket to the compressed air bottle and therefore forces inflation of the jacket. In order now to permit the simplest possible manual influencing of the functions of the control device, at least one regulating valve is provided, via the respective actuation of which during a dive the monitoring device and/or the control valve can be influenced. In the event of manual activation in normal operation, the jacket is inflated via the inflation valve, and the compressed air is let off via the outlet valve.



PCT

- (22) 15/10/2012
- (21) 1764/2012
- (44) August 2016
- (45) 23/11/2016
- (11) 27809

(51)	Int. Cl. 8 C02F 1/68
(71)	1. UNILEVER PLC (UNITED KINDOM)
	2. 3.
(72)	1. CHATTERJEE, Jaideep
	2. RAMACHANDRAN, Rajeesh, Kumar
	3.
(73)	1,
	2.
(30)	1. (IN) MUM/2010/1648 - 31-05-2010
()	2. (EP) 10169363.8 - 13-07-2010
	3. (PCT/EP2011/057919) – 17-05-2011
(74)	NAHED WADI RIZK TARAZI
(12)	Patent

### (54) A WATER PURIFICATION DEVICE Patent Period Started From 17/05/2011 and Will end on 16/05/2031

(57) The invention relates to a water purification device and in particular relates to a water purification device that may be used as a gravity fed system or adapted to be connected to the main water supply. The present water purification device is capable of dosing a controlled level of a biocide to the water and has a filtration unit that functions as a filter-cum-biocide-scavenger. This water purification device provides several advantages over the prior art especially in terms of reducing the complexity of the device thus making it economical and reducing the number of replaceable parts without affecting the performance in terms of microbial safety or flow rate. Another advantage of the system is that it can be adapted for use with liquid biocides.



**PCT** 

- (22) 28/04/2013
- (21) 0391/2009
- (44) August 2016
- (45) 23/11/2016
- (11) 27810

(51)	Int. Cl. 8 F25J (1/00, 3/00)	
(71)	1. ORTLOFF ENGINEERS, LTD. (UNITED STATES OF AMERICA) 2. 3.	
(72)	<ol> <li>CUELLAR, Kyle, T.</li> <li>MARTINEZ, Tony, L.</li> <li>WILKINSON, John, D.</li> <li>LYNCH, Joe, T.</li> <li>HUDSON, Hank, M.</li> </ol>	
(73)	1. 2.	
(30)	1. (US) 60/848,299- 28-09-2006 2. (US) 60/897,683 – 25/01/2007 3. (US) 11/839/693 – 1608-2007 4. (PCT/US 2007/076199 ) – 17-08-2007	
(74)	NAHED WADI RIZK TARAZI	
(12)	Patent	

### (54) HYDROCARBON GAS PROCESSING Patent Period Started From 17/08/2007 and Will end on 16/08/2027

(57) Recovery of ethane, ethylene, propane, propylene, and heavier hydrocarbon components from a hydrocarbon gas stream. The stream is cooled and divided into first and second streams. The first stream is further cooled to condense it and is thereafter expanded to the fractionation tower pressure and supplied to the tower at mid-column. The second stream is expanded to the tower pressure and is supplied to the tower at mid-column. A distillation stream is withdrawn from the column below the feed point of the second stream and compressed, and is heat-exchanged with the tower overhead vapor stream to cool the distillation stream and condense it, forming a condensed stream which is the tower top feed. The system is effective to maintain the overhead temperature of the tower at an effective recovery temperature. The distillation stream can be withdrawn from the column above the feed point of the second stream.



PCT

- (22) 09/09/2012
- (21) 1532/2012
- (44) August 2016
- (45) 23/11/2016
- (11) 27811

(51)	Int. Cl. 8 H01B 3/44	
(71)	<ol> <li>BOREALIS AG (AUSTRIA)</li> <li>3.</li> </ol>	
(72)	<ol> <li>ENGLUND, Villgot</li> <li>HAGSTRAND, Per-Ola</li> <li>NILSSON, Ulf</li> <li>SMEDBERG, Annika</li> </ol>	<ul><li>5. BOSTROM, Jan-Ove</li><li>6. FARKAS, Andreas</li><li>7. DOMINGUEZ, Gustavo</li></ul>
(73)	1. 2.	
(30)	1. (EP) 10156722.O - 17-03-2010 2. (PCT/EP2011/052988) – 01-03-2011 3.	
(74)	NAHED WADI RIZK TARAZI	
(12)	Patent	

### (54) POLYMER COMPOSITION FOR W&C APPLICATION WITH ADVANTAGEOUS ELECTRICAL PROPERTIES Patent Period Started From 01/03/2011 and Will end on 31/02/2031

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



PCT

- (22) 16/06/2013
- (21) 1032/2013
- (44) June 2016
- (45) 27/11/2016
- (11) 27812

(51)	Int. Cl. <sup>8</sup> F01K 3/00, 3/16 & F22B 21/00, 29/0	06
(71)	<ol> <li>AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO</li> <li>ECONOMICO SOSTENIBILE (ENEA) (ITAY)</li> <li>ANSALDO NUCLEARE S.P.A (ITAY)</li> </ol>	
(72)	<ol> <li>RINALDI, Luca</li> <li>FABRIZI, Fabrizio</li> <li>ALEMBERTI, Alessandro</li> <li>GAGGIOLI, Walter</li> </ol>	<ul><li>5. ALIOTTA, Salvatore</li><li>6. BARBENSI, Andrea</li><li>7. TARQUINI, Pietro</li></ul>
(73)	1. 2.	
(30)	1. (IY) RM2010A000660 – 14-12-2010 2. (PCT/IB2011/055676) – 14-12-2010 3.	
(74)	SAMAR AHMED EL LABBAD	
(12)	Patent	

#### (54) THERMAL-ENERGY- STORAGE TANK WITH INTEGRATED STEAM GENERATOR

#### Patent Period Started From 14/12/2010 and Will end on 13/12/2030

(57) A thermal-energy storage tank comprising a containing structure designed to house a store of thermovector fluid in the liquid state, a regenerating circuit designed to draw the thermovector fluid from a bottom of the containing structure and, once heated outside the tank, to deposit it in a surface portion of the store of thermovector fluid, at least one steam generator comprising a heat exchanger with vertical extension housed within the containing structure and having at least one top opening designed for inlet of the thermovector fluid and a bottom opening designed for outlet of the thermovector fluid.



PCT

- (22) 02/12/2013
- (21) 1843/2013
- (44) July 2016
- (45) 27/11/2016
- (11) 27813

(51)	Int. Cl. 8 B42C 7/00, 9/00 & B42D 3/00 & B42F 13/00 & G09F 15/02
(71)	1. UNIBIND LIMITED (CYPRUS) 2. 3.
(72)	1. PELEMAN, Guido 2. 3.
(73)	1. 2.
(30)	1. (BE) 2011/0357 - 14-06-2011 2. (PCT/IB2012/001135) – 11-06-2012 3.
(74)	NAHIS WADI RIZK
<b>(12)</b>	Patent

# (54) ELEMENT FOR MANUFACTURING A BINDING FOLDER OR A DISPLAY BOARD AND METHOD THAT MAKES USE OF SUCH AN ELEMENT FOR MANUFACTURING THE BINDING FOLDER OR THE DISPLAY BOARD

#### Patent Period Started From 11/06/2012 and Will end on 10/06/2032

(57) Element for manufacturing a binding folder or for manufacturing a display board, whereby the element is a semi-finished product that is primarily flat and primarily formed by a support that is formed by or composed of one or more flat sheets and a cover that is affixed over or around this sheet or sheets, characterised in that on one side the support is provided with a layer of hot-melt adhesive that extends up to a distance (D) from the edges of the support, and this to affix a finishing cover or a poster or similar on this side of the support.



PCT

- (22) 17/02/2013
- (21) 0254/2013
- (44) June 2016
- (45) 28/11/2016
- (11) 27814

(51)	Int. Cl. 8 C07C 51/00, 51/42, 51/47, 63/26
(71)	1. GRUPO PETROTEMEX, S.A. DE C.V. (MEXICO)
	2. 3.
(72)	1. PARKER, Kenny, Randolph
(1-)	2. BLAIR, Larry, Wayne
	3.
(73)	1.
	2.
(30)	1. (US) 12/860,131 - 20-08-2010
` ′	2. (PCT/US2011/047373) - 11-08-2011
	3.
<b>(74)</b>	SAMAR AHMED EL LABBAD
(12)	Patent

# (54) IMPROVING TEREPHTHALIC ACID PURGE FILTRATION RATE BY CONTROLLING % WATER IN FILTER FEED SLURRY Patent Period Started From 11/08/2011 and Will end on 10/08/2031

(57) The process relates improving terephthalic acid purge filtration rate by controlling % water in filter feed slurry and to the recovery of a metal catalyst from an oxidizer purge stream produced in the synthesis of carboxylic acid, typically terephthalic acid, while utilizing pressure filtration.



PCT

- (22) 16/12/2009
- (21) 1843/2009
- (44) July 2016
- (45) 29/11/2016
- (11) 27815

(51)	Int. Cl. <sup>8</sup> C12N 15/82
(71)	1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND) 2. 3.
(72)	<ol> <li>FONCELLE, Bruno</li> <li>BONNET, Gregori</li> <li>OLIVER, Marc</li> </ol>
(73)	1. 2.
(30)	1. (EP) 07110860.9 - 22-06-2007 2. (PCT/EP2008/057770) – 19-06-2008 3.
(74)	HUDA SERAG ELDIN
(12)	Patent

#### (54) METHODS FOR CONVEYING OR IDENTIFYING FOM RACE 1,2 RESISTANCE INTO MELON PLANTS AND RACE 1,2 RESISTANCE

#### Patent Period Started From 19/06/2008 and Will end on 18/06/2028

(57) Methods for conveying Fusarium oxysporum f.sp. melonis (FOM) race 1,2 resistance into non-resistant melon germplasm are provided, in some embodiments, the methods include introgressing FOM race 1,2 resistance into a non-resistant melon using one or more nucleic acid markers for marker-assisted selection among melon lines to be used in a melon breeding program, wherein the markers are linked to FOM race 1,2 resistance. Also provided are quantitative trait loci (QTLs) associated with resistance to FOM race 1,2; isolated and purified genetic markers associated with FOM race 1,2 resistance; melon plants, seeds, and tissue cultures produced by any of the disclosed methods; fruit and seed produced by the disclosed melon plants; and compositions including amplification primer pairs capable of initiating DNA polymerization by a DNA polymerase on meion nucleic acid templates to generate melon marker amplicons.



PCT

- (22) 13/05/2012
- (21) 0860/2012
- (44) August 2016
- (45) 29/11/2016
- (11) 27816

(51)	Int. Cl. <sup>8</sup> F22B 29/06 & F24J 1/00 & F28D 7/08
(71)	1. BALCKE-DURR GMBH (GERMANY) 2. 3.
(72)	<ol> <li>BAND, Dirk</li> <li>HEGNER, Wolfgang</li> <li>STAHLHUT, JOrg</li> <li>TREGUBOW, Vitali</li> </ol>
(73)	1. 2.
(30)	1. (EP) 09014365.2 - 17-11-2009 2. (PCT/EP2010/006512) – 25-10-2010 3.
<b>(74)</b>	SAMAR AHMED EL LABBAD
<b>(12)</b>	Patent

#### (54) HEAT EXCHANGER FOR GENERATING STEAM FOR SOLAR POWER PLA

#### Patent Period Started From 25/10/2010 and Will end on 24/10/2030

(57) The invention relates to a heat exchanger for generating steam for solar power plants, comprising: an outer casing with an inlet and an outlet port for a heat-emitting medium; an inlet and an outlet collector for a heatabsorbing medium, preferably water, said inlet and outlet collectors lying substantially within the outer casing; and a tube bundle within the outer casing with a number of tube layers comprising continuous tubes, which are designed such that the heat-emitting medium can flow entirely around same and which are designed as flow paths for the heat-absorbing medium from the inlet collector to the outlet collector. The tube bundle is designed in a meandering manner, wherein the heat exchanger for generating steam is designed according to the forced-flow principle so that the heatabsorbing medium, which is fed into the inlet collector, is successively pre-heated, evaporated, and superheated in the course of the flow paths so that a superheated steam exits the outlet collector. The energy required for the pre-heating, evaporation, and superheating is essentially provided entirely by the heat transfer from the heat-emitting medium to the heatabsorbing medium within the heat exchanger.



PCT

- (22) 10/06/2016
- (21) 0955/2016
- (44) August 2016
- (45) 29/11/2016
- (11) 27817

(51)	Int. Cl. 8 C09K 5/04
(71)	1. E. I. DU PONT DE NEMOURS AND COMPANY (UNITED STATES OF AMERICA) 2. 3.
(72)	1. KONTOMARIS, Konstantinos 2. 3.
(73)	1. 2.
(30)	1. (US) 61/422,928 - 14-12-2010 2. (PCT/US2011/064976) – 14-12-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

(54)	A METHOD OF REFRIGERATION INCLUDING
	REFRIGERANTS COMPRISING E-1,3,3,3-
	TETRAFLUOROPROPENE AND 1,1,2,2 -
	TETRAFLUOROETHANE
	Patent Period Started From 14/12/2011 and Will end on 13/12/2031

(57) A method for producing cooling comprising evaporating a liquid refrigerant comprising (a) e-cf3ch=chf and (b) at least one tetrafluoroethane of the formula c2h2f4; provided that the weight ratio of e-cf3ch=chf to the total amount of e-cf3ch=chf and c2h2f4 is from about 0.05 to 0.99, in an evaporator, thereby producing a refrigerant vapor; wherein the cooling is produced in a chiller comprising said evaporator; and wherein said chiller further comprises a centrifugal compressor.



PCT

- (22) 17/08/2014
- (21) 1310/2014
- (44) August 2016
- (45) 29/11/2016
- (11) 27818

(51)	Int. Cl. 8 B01D 53/70, 53/78, 53/73
(71)	1. COMMERZIALBANK MATTERSBURG IM BURGENLAND AKTIENGESELLSCHAFT 2. (AUSTRIA)
	3.
<b>(72)</b>	1. PHILIPP, Franz, Josef
	2.
	3.
(73)	1.
	2.
(30)	1. (AT) A 205/2012 - 20-02-2012
	2. (PCT/AT2013/050038) – 14-02-2013
	3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

#### (54) METHOD FOR DEGRADING TOXIC ORGANIC COMPOUNDS CONTAINED IN WASTEWATER AND/OR WASTE GASES

#### Patent Period Started From 14/02/2013 and Will end on 13/02/2033

(57) Method for degrading toxic organic compounds contained in wastewater and/or waste gases, wherein the wastewater or waste gases polluted with toxic organic compounds is/are first introduced into an aqueous basic alkaline or alkaline earth solution/slurry bath to destabilize the toxic organic compounds, and then the solution/slurry bath containing the destabilized toxic organic compounds is fed into a capillary mass arranged thereabove, formed from a mixture of reprocessed wood materials and peat mixed with bentonite, zeolite and/or lime with a particle size <200 m.



PCT

(22) 04/11/2013

(21) |1693/2013

(44) August 2016

(45) 29/11/2016

(11) 27819

(51)	Int. Cl. <sup>8</sup> F01K 3/24, 25/04 & F03G 6/06
(71)	1. ITALCEMENTI S.P.A (ITALY) 2. 3.
(72)	<ol> <li>CINTI GIOVANNI</li> <li>DONAYI Andrea</li> <li>3.</li> </ol>
(73)	1. 2.
(30)	1. (IT) MI2012A001883 - 06-11-2012 2. 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) AN INTEGRATED PROCESS FOR THE PRODUCTION OF ELECTRICAL POWER AND RELATIVE APPARATUS Patent Period Started From 04/11/2013 and Will end on 03/11/2033

- (57) It is disclosed an integrated process for the production of electrical power by integration of the recovery of waste heat from a plant for the production of clinker and the recovery of heat from a plant for solar power concentration (CSP), comprising the following steps:
  - a1) recovery of the waste heat of process gases through supply of said process gases to a Rankine cycle where the motive fluid is water and water steam with production of saturated steam at a temperature between 250 and 275?C and at a pressure between 40 and 60 bar;
  - a2) production of further saturated steam at the same conditions of temperature and pressure of step a1) through the heat generated from the CSP:
  - b) mixing of the flow of saturated steam coming from steps a1) and a2) and overheating of the mixture to a temperature between 500 and 520?C;
  - c) feeding the stream of overheated steam at a pressure between 40 and 60 bar and at a temperature between 500 and 520?C coming from step b) to a condensation turbine, expansion of the same steam with generation of electrical power. It is disclosed also the relative apparatus.



PCT

(22) 20/01/2014

(21) 0074/2014

(44) June 2016

(45) 30/11/2016

(11) 27820

(51)	Int. Cl. <sup>8</sup> G01V 1/00	
(71)	1. LANDMARK GRAPHICS CORPORATION (UNITED STATES OF AMERICA) 2. 3.	
(72)	<ol> <li>ROSS, William, C</li> <li>CHAMBERS, Richard, L</li> </ol>	4.
(73)	1. 2.	
(30)	1. (PCT/US2011/044933) 2. 3.	
(74)	NAHED WADIH RIZK	
(12)	Patent	

### (54) MAPPING GEOLOGIC FEATURES Patent Period Started From 22/07/2011 and Will end on 21/07/2031

(57) Methods, computer readable medium, and systems for mapping geologic features are described. In one example, a selection of a template describing a theoretical geologic depositional profile is received. In addition, paleoelevations and/or paleo-depths of actual geologic facies in an actual geologic depositional profile are received. A graphical map that represents the actual geologic depositional profile is generated by mapping the received paleo-elevations and/or paleo-depths onto the theoretical depositional profile.



PCT

- (22) 28/05/2013
- (21) 0912/2013
- (44) August 2016
- (45) 30/11/2016
- (11) 27821

(51)	Int. Cl. 8 C07D 311/58
(71)	1. MENARINI INTERNATIONAL OPERATIONS LUXEMBOURG S.A. (LUXEMBOURG) 2. 3.
(72)	1. MAURO, Sandro 2. FATTORI, Daniela 3. CIPOLLONE, Amalia 4. D'ANDREA, Piero
(73)	1. 2.
(30)	1. (IT) RM2010A000622 - 30-11-2010 2. (PCT/IB2011/055385) - 30-11-2011 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) PROCESS FOR THE PREPARATION OF NEBIVOLOL Patent Period Started From 30/11/2011 and Will end on 29/11/2031

(57) The present invention relates to a novel process for the synthesis of the Nebivolol product depicted in Scheme 1, comprised of a reduced number of high-yield steps, and characterized by the enzymatic resolution of the chroman ester precursor.



**PCT** 

- (22) 06/09/2012
- (21) 1517/2012
- (44) August 2016
- (45) 30/11/2016
- (11) 27822

(51)	Int. Cl. <sup>8</sup> C09K 8/588, 8/60
(71)	1. HALLIBURTON ENERGY SERVICES, INC (UNITED STATES OF AMERICA) 2.
	3.
(72)	1. SOLIMAN, Mohamed, Y
(, =)	2. SHELLEY, Robert, F.
	3. EAST, Lloyd, E.
	4. CULLICK, Alvin, S.
(73)	1.
()	2.
(30)	1. (US) 12/720,736 - 10-03-2010
(30)	2. (PCT/GB2011/000302) - 04/03/2011
	<b>3.</b>
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

### (54) METHODS RELATING TO MODIFYING FLOW PATTERNS USING IN-SITU BARRIERS

#### Patent Period Started From 04/03/2011 and Will end on 03/03/2031

(57) A method comprises providing a fluid source in a subterranean formation; providing a wellbore in the subterranean formation; and providing an insitu barrier, wherein the in-situ barrier is disposed within the subterranean environment and modifies the flow pattern of at least one fluid within the subterranean formation that is provided by the fluid source and flows towards the wellbore.



PCT

- (22) 20/11/2013
- (21) 1791/2013
- (44) August 2016
- (45) 30/11/2016
- (11) 27823

(51)	Int. Cl. 8 F04C 28/12, 28/26, 14/02, 28/02, 18/16
(71)	1. BP EXPLORATION OPERATING COMPANY LIMITED (UNITED KINGDOM) 2. 3.
(72)	1. DENNY, Mark, Joseph 2. 3.
(73)	1. 2.
(30)	1. (EP) 11250542.5 - 20-05-2011 2. (PCT/EP2012/059249) – 18-05-2012 3.
(74)	SAMAR AHMED EL LABBAD
(12)	Patent

(54)	PUMP
	Patent Period Started From 18/05/2012 and Will end on 17/05/2032

(57) The invention provides a pump comprising a pump inlet, a pump outlet, at least two threaded rotors and a pressure controlled valve, the pressure controlled valve being capable of controlling re-circulation of fluid from the pump outlet to the pump inlet. The pressure controlled valve can be a control valve. The invention also provides a multiple stage pump assembly comprising at least two pumps arranged in series, wherein at least one of the pumps is the aforementioned pump.