Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology
Technology Development and Scientific Services Sector

PATENTS' ABSTRACTS

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(51)	**Int. Cl.[7] B65D 3/26,17/50 & F16K 11/12**
(71)	**1. SADCO FOR ELECTRICAL AND PLASTIC INDUSTRIES (EGYPT))** **2.** **3.**
(72)	**1. ENG. MOHFOUZ YOUSSEF MIKHAEL KOZMAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MIRIAND PHLLIP METRY**
(12)	**Patent**

(54) A PLASTIC CONTAINER WITH A COVER CLOSED PROPERLY AND HAS AN EVACUATING VALVE

Patent Period Started in 03/12/2000 and Ends in 02/12/2007

(57) A plastic squared shape cans, valid for foods in general and als. For chemical materials, the plastic cover of container is also a squared shape is closed properls over the containe to prevent any leakage, entrance or exit of air or bacteria to or from the container. And is injected with style material it has a secure ring to let the customer be sure that the container is not opened before, the cover has a valve made of poly propylene for evacuation of air and gases and reclosing it again.

The valve consist is 2 parts a lower part and put below the cover.

The other part is put at top.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/03/1998** **0321/1998** **July 2003** **03/12/2003** **22952**

(51)	**Int. Cl.[6] A01K 61/00, 61/02**
(71)	**1. HASSAN SALAH EL DIN DISOKY MOSTAFA (EGYPT)** **2.** **3.**
(72)	**1.** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**FLOATING CAGES FOR CULTURING FISH**
	Patent Period Started in 22/03/1998 and Ends in 21/03/2018

(57) The present invention relates to a system of the culturing fish in floating cages buoys control for lifting and lowering this cages inside or outside the water by using the direct full of this buoys or the discharge by using pump. The cages are lift for supervision or hunting process. The speed of water flow is controlled by buffers behind the holes of water entry .

The cages consist of frame structure of strong material isolated by plastic and it's form of big cages, the volume of this cages about 48 ×12 × 3 m and which are equal 15 of fishing farm.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/12/2001** **1385/2001** **September 2003** **10/12/2003** **22953**

(51)	**Int. Cl.[7] H01R 27/00**
(71)	**1. MICHAEL WU (CHINA)** **2.** **3.**
(72)	**1. MICHAEL WU** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**YASSER FAROUK MOUBARAK**
(12)	**Patent**

(54)	**MULTI FUNCTIONAL POWER SUPPLY ADAPTER WITH DUAL PLUG STRUCTURE**
	Patent Period Started in 31/12/2001 and Ends in 30/12/2021

(57) A power supply adapter with a dual plug structure including a primary plug and a secondary plug is disclosed. A dual plug retaining region is constructed by a left side wall ,a right side wall, and a rear wall protruding on the casing of the adapter for retaining the primary plug and the secondary plug. The primary plug has a first casing defining an interior space therein, pivotally retained in the dual plug retaining region and movable between a first erect position and a first collapsed position . The secondary plug is pivotally received in the interior space of the primary plug and movable between a second erect position and a second collapsed position. The adapter is further formed with a battery receptacle thereon for receiving and retaining a mobile phone battery.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/05/2001** **0457/2001** **September 2003** **10/12/2003** **22954**

(51)	**Int. Cl.[7] C12P 17/18**
(71)	**1. ACADEMY OF SCIENTIFIC RESEARCH AND TECHOLOGY (EGYPT)** **2. NATIONAL RESEARCH CENTER (EGYPT)** **3.**
(72)	**1. MEDHAT M. SEIF EL NASR** **2. MOHAMED KAMAL EL BAHR** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**METHOD FOR THE PRODUCTION OF TROPANE ALKALOIDS THROUGH TISSUE CULTURE OF SOME EGYPTIAN SOLANACEOUS PLANTS**
	Patent Period Started in 02/05/2001 and Ends in 01/05/2021

(57) The present invention related to a new method for the production of tropane alkaloids using plant cell and tissue culture techniques from Egyptian plants : Dature, Hyoscyamus and Atropa which are belonging to family solanaceae. In that method different media consituents were used. A higher percent of tropane alkaloids was reached in those cell and tissue cultures more than that in the intact plants. The procedure include an improved method for the extraction and preparation of the tropane alkaloids .

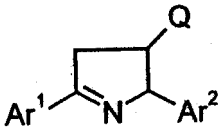
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/09/2001** **0996/2001** **September 2003** **13/12/2003** **22955**

(51)	**Int. Cl.[7] A01N 43/38 & C07D 207/22,207/26,209/14**
(71)	**1. BAYER AKTIENGESELLSCHAFT (GERMANY)** **2.** **3.**
(72)	**1. CHRISTOPH ERDELEN** **2. GERHARD THIELKING** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. 10047116,1 – 22/09/2000 DE** **2.** **3.**
(74)	**SOHEIR MIKHAIL RIZK**
(12)	**Patent**

(54) Δ^1 - PYRROLINES

Patent Period Started in 18/09/2001 and Ends in 17/09/2021

(57) Novel Δ^1 – pyrrolines of the formula (1)



In which
Ar^1, Ar^2 and Q are each as defined in the description,
A plurality of processes for preparing these substances and their use for controlling pests

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/01/2002** **0016/2002** **September 2003** **13/12/2003** **22956**

(51)	**Int. Cl.[7] B42F 17/02**
(71)	**1. PROF. DR. MAHMOUD GUARIB EL SHERBEENY (EGYPT)** **2. PROF. DR. ALY AHMED MOSTAFA KHATTAB (EGYPT)** **3.**
(72)	**1. PROF. DR. MAHMOUD GUARIB EL SHERBEENY** **2. PROF. DR. ALY AHMED MOSTAFA KHATTAB** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**MECHANISED FILING CABINET**
	Patent Period Started in 05/01/2002 and Ends in 04/01/2022

(57) In optimizing the use of space allocated for storing and filling with a primary objective of accessibility and easy finding of any required item . One has to think of the used of maximum height available with a certain mechanism to access highly located items.

The present work shows a design of vertical board with chain mechanism on each side. Shelves are mounted onto the chain links to rotate with the chain motion while being in upright position .

The design utilizes a PLC control system with embedded computer system for the control of motion and also for generating database for the filled and stored items. On requesting any file or product the computer send a signal to the PLC to call the shelf carrying the requested item in front of an operating window and light a pointer against the item location on the shelf. This optimizes the use of space and search and calling time of procedures. It can be used for files ,spare parts and or pharmaceutical drugs.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/03/2002** **0276/2002** **September 2003** **13/12/2003** **22957**

(51)	**Int. Cl.[7] B65G 27/20**
(71)	**1. MAHMOUD GUARIB EL SHERBINY (EGYPT)** **2. ALY AHMED MOHAMED KHATTAB (EGYPT)** **3.**
(72)	**1. MAHMOUD G. EL SHERBINY** **2. ALY AHMED MOHAMED KHATTAB** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**VIBRATING (OSCILLATORY) CONVEYOR**
	Patent Period Started in 17/03/2002 and Ends in 16/03/2022

(57)

- Vibrating conveyors is an essential tool of bulk materials transportation
- These conveyors always face may types of problems leading to system failure due to vibrations – the main reason of mechanical systems failure.
- A new vibrating conveyor is designed in order to minimize the probability of failure and increase the system reliability.
- This conveyor consists of oscillating tray and counter mass, swinging hinged levers pivoted to a fixed frame.
- Though, tray and/or bucket on one side and counter weight on the other side are oscillated parallel to each other on the two different sides of the fixed frame and pushed forward and backward by two connecting rods on an eccentric cam. This cam is driven by an electrical motor.
- The two connecting rods are assembled to bucket and counter weight by special flexible joints; which have higher reliability and ca be replaced easily.
- Main features of the new design are reflected in higher reliability, stability, and better performance compared with other designs.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/01/2002** **0009/2002** **September 2003** **13/12/2003** **22958**

(51)	**Int. Cl.[7] F26B 11/00**
(71)	**1. MAHMOUD GUARIB EL DESSOKY EL SHERBINY (EGYPT)** **2. OSAMA MAHMOUD ABD EL AAL (EGYPT)** **3. MOHAMED ESSAM EL DIN EL GEDDAWY**
(72)	**1. MAHMOUD G. EL SHERBEENY** **2. OSAMA MAHMOUD ABD EL AAL** **3. MOHAMED ESSAM EL DIN EL GEDDAWY**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**MIXING AND HEATING TANK**
	Patent Period Started in 23/01/2002 and Ends in 22/01/2022

(57) The vessel is made of two concentric hollow cylinders with domed bottom made of stainless steel. The gab between the two walls allow for a heating media which can be either superheated steam or heating oil which can be heated by electric filament when steam is not available on site.

The outside wall is insulated and shielded to reduce heat losses and job safety reasons.

The vessel is equipped with a tap stierer for better convection and heat distribution among the industrial solution . It is also equipped with a number of sensors and level meters to stop the heating process before overheating of the heating media and to control the process.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/01/2002** **0018/2002** **September 2003** **13/12/2003** **22959**

(51)	**Int. Cl.[7] B01D 49/02**
(71)	**1. MAHMOUD GUARIB DESSOKY EL SHERBINY (EGYPT)** **2. ALY AHMED MOSTAFA KHATTAB (EGYPT)** **3.**
(72)	**1. MAHMOUD G. EL SHERBINY** **2. ALY AHMED MOSTAFA KHATTAB** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) DUST SEPARATION FACILITY (CYCLONE)

Patent Period Started in 05/01/2002 and Ends in 04/01/2022

(57) In regular cases of power materials transportation and processing using air stream carriers. Some particles remain suspended in the exhaust air. If this part is allowed to exit to the environment, one faces two problems, the first is power losses and the second is pollution of the environment. Therefore it is important to separate the suspended power and exhaust clean air . This is usually achieved by using a cyclone. Its function is mainly separation of solid particles by gravity.

Such cyclones can be further improved for more effective separation process by generating new ideas with geometrical features affecting the streamline and promoting easier and efficient separation of dust particles. Existing cyclones also suffer from unusual wear of the walls facing laden air inlet. Further modification for longer life are achieved by introducing a replaceable wearing part in the most affected zone .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/03/2002** **0284/2002** **September 2003** **13/12/2003** **22960**

(51)	**Int. Cl.[7] B61L 3/00**
(71)	**1. MAHMOUD GUARIB DESSOKY EL SHERBINY (EGYPT)** **2.** **3.**
(72)	**1.** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**TRAIN COACH SEPARATION (DISCONNECTION) MECHANISM**
	Patent Period Started in 20/03/2002 and Ends in 19/03/2022

(57) Train coach separation mechanism is designed to be produced easily in addition to its effectiveness of separation during emergence with minimum effort and within a minimum time. These are the main requirements to face catastrophes in order to minimize losses.

The simple mechanism comprises the following parts:

1- Basic Hook fixed at one end of the two cars.
2- Connecting chain link.
3- Hinged fork and it has two functions, the first is to push the chain and to keep it always in the hook (during ordinary cases) and the second is to eject the chain out of the hock (at emergency) .
4- Springs.
5- Tension Wires.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/02/1997** **0114/1997** **September 2003** **13/12/2003** **22961**

(51)	**Int. Cl.[6] E03D 5/08**
(71)	**1. SAMIR EL SAYED EL METWALLY EL SHERIF (EGYPT)** **2.** **3.**
(72)	**1. SAMIR EL SAYED EL METWALLY EL SHERIF** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) A HINDER FOR STOPPING WATER WHEN COMING AFTER A STOP WHILE HAVING A WATER OUTLET IN WORK POSITION

Patent Period Started in 20/02/1997 and Ends in 19/02/2017

(57) A water locking faucet consists of a position to let water in it goes back with a curve and an upper part with a bigger curve .

The idea of this locking faucet depends on a down curve in which a plastic ball drops in it while water is finishing , when water enters a cooper bar stops its floating . As water corns again , water presses the ball, so the ball closes the water entery. A cureve the same as that of the ball , on dragging the clutch the cooper bar moves to the left after the ball's sector so it becomes free to move. The strong water falling down makes the ball floats to the upper curve so water goes to its way out .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/12/2001** **1275/2001** **September 2003** **14/12/2003** **22962**

(51)	**Int. Cl.[7] A61K 35/78**
(71)	**1. HATEM MOHAMED DARWISH HEGAZI (EGYPT)** **2. MOHAMED DARWISH ABDEL AZZIZ HEGAZI (EGYPT)** **3.**
(72)	**1. HATEM M. DARWISH HEGAZI** **2. MOHAMED DARWISH ABDEL AZZIZ HEGAZI** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**SYRUP TO TREAT ANAEMIA**
	Patent Period Started in 01/12/2001 and Ends in 30/11/2021

(57) Prepare the effective herbs blend for syrup from the following items, according to volumes as noted beside each of the items :-

1- Cumin (1) 2- Ginger, (1) 3- Common flax (1)

4- Caraway (1) 5- Arab yoast (1/8)

Add one volume of small spoon effective herbs blend or one porous bag with 2.5 grams effective herbs blend to 150 cc boiled water. Agitate and drink one cup in the morning and one cup in the evening.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/12/2001** **1279/2001** **September 2003** **14/12/2003** **22963**

(51)	**Int. Cl.[7] A61K 35/78**
(71)	**1. HATEM MOHAMED DARWISH HEGAZI (EGYPT)** **2. MOHAMED DARWISH ABDEL AZZIZHEGAZI (EGYPT)** **3.**
(72)	**1. HATEM MOHAMED DARWISH HEGAZI** **2. MOHAMED DARWISH ABDEL AZZIZHEGAZI** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**CIGAR TO TREAT INFLEWENZA , EPISTAXIS, SINUSITIS AND PREVENT MOUTH AND THROAT INFLAMATION.**
	Patent Period Started in 01/12/2001 and Ends in 30/11/2021

(57) Cigar material is prepared by same volume from following items:-

1- Cumin, 2- Wild chamomile, 3- Common ginger,
4- Corn cockle, 5- Common flax 6- Egyptian willow,
7- Salt

Cigar items blend is distributed as cigar. Three cigars a day are sufficient for cure.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/12/2001** **1274/2001** **September 2003** **14/12/2003** **22964**

(51)	**Int. Cl.[7] A61K 35/78**
(71)	**1. HATEM MOHAMED DARWISH HEGAZI (EGYPT)** **2. MOHAMED DARWISH ABDEL AZZIZ HEGAZI (EGYPT)** **3.**
(72)	**1. HATEM M. DARWISH HEGAZI** **2. MOHAMED DARWISH HEGAZI** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**SYRUP TO TREAT SPASTIC COLON**
	Patent Period Started in 01/12/2001 and Ends in 30/11/2021

(57) Prepare effective herbs blend for syrup from same volume of the following items :-

1- Common fennel, 2- Cumin, 3- Pepper
4- Ginger, 5- wild chamomile 6- Common rose mary
7- Worm wood 8- Black camin 9- Pippermint,
10-Caraway

Add a volume of one small spoon effective blend or one porous bag with 2.5 grams effective blend to 150 cc boiled water. Agitate and drink, one in the morning and one in the evening

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/01/2001** **0015/2001** **September 2003** **15/12/2003** **22965**

(51)	**Int. Cl.[7] B32B 3/28**
(71)	**1. MAHMOUD ABDO MOHMOUD EL NEGEERY (EGYPT)** **2.** **3.**
(72)	**1. MAHMOUD ABDO MOHMOUD EL NEGEERY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**THE MACHINE WHICH INVERTS ENGRAVING**
	Patent Period Started in 08/01/2001 and Ends in 07/01/2021

(57) The machine which inverts engraving , is composed of two heads. Each head has the same number of spindles. There is a shaft fixed in one of those two heads. The shaft moves in a way to converse the motion of the spindles, which are on the other head by two gears which converse the motion of the interior arms. Also , the fastners which confront one of the heads turn against the turning, of the fasteners which confront the other head.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/03/2001** **0226/2001** **September 2003** **15/12/2003** **22966**

(51)	**Int. Cl.[7] B27C 5/02**
(71)	**1. MAHMOUD ABDO MOHMOUD EL NEGEEREY (EGYPT)** **2.** **3.**
(72)	**1. MAHMOUD ABDO MOHMOUD EL NEGEEREY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**THE INSTRUMENT WHICH MAKES A CURRENT ENGRAVING MACHINE TO AN INVERTING ONE**
	Patent Period Started in 10/03/2001 and Ends in 09/03/2021

(57) This instrument makes the shaft move in a way which is converse to the motion of the spindles.

The shaft is separated from the head of the machine . The shaft is joint to an arm, and the other arm is joint to the back girder of the machine. There are two gears that converse the motion of the shaft and the motion of the head. The fastener, which confronts the shaft turns in a way, converse the turning of the other fasteners.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/11/2001** **1214/2001** **September 2003** **15/12/2003** **22967**

(51)	**Int. Cl.[7] C08F 220/54,220/58,220/06 & C09K 7/00**
(71)	**1. HERCULES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. KEITH A. BAIR** **2. MOHAND MELBOUCI** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. 09/732,537 – 08/12/2000 US** **2.** **3.**
(74)	**NAZIH AKHNOUK SADEK ELIAS**
(12)	**Patent**

(54) POLYMERIC FLUID LOSS ADDITIVES AND METHOD OF USE THEREOF

Patent Period Started in 17/11/2001 and Ends in 16/11/2021

(57) The present invention relates to compositions and use of water – soluble or water- dispersible copolymers for oil field applications. Specifically, the present invention relates to polymers containing allyloxy linkage andits functional dervatives for use in oil field applications as fluid additives for drilling and cementing processes .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/12/2001** **1313/2001** **September 2003** **15/12/2003** **22968**

(51)	**Int. Cl.[7] A61C 13/00**
(71)	**1. DR. HAZEM BAYOUMI EL SEBQIE (EGYPT)** **2.** **3.**
(72)	**1. DR. HAZEM BAYOUMI EL SEBAIE** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**VERTEBRAL FIXATION SCREW WITH A MOBILE THREADED MACHINE**
	Patent Period Started in 09/12/2001 and Ends in 08/12/2021

(57) The basic idea is to fabricate a vertebral fixation screw with the junction between the screw inserted into the vertebral body and the threaded machine connected to the rod is MOBILE. This junction is similar to a joint allowing the threaded machine to angulate 90° on the axis of the screw.

I have designed the screw to be in two pieces which can be easily assembled at any time before insertion. One piece is an inverted T shaped threaded machine, the transverse limb of which will slide and be introduced in the space created for it in the head of the screw

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/11/2001** **1267/2001** **September 2003** **16/12/2003** **22969**

(51)	**Int. Cl.[7] G01V 1/28**
(71)	**1. PGS AMERICAS INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ROALD G. VAN BORSELEN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 09/822,115 – 30/03/2001 US** **2.** **3.**
(74)	**MOHAMED KAMEL MOSTAFA KAMEL**
(12)	**Patent**

(54)	**METHOD OF IDENTIFICATION OF NON – PRIMARY EVENTS IN SEISMIC DATA**
	Patent Period Started in 27/11/2001 and Ends in 26/11/2021

(57) A method and system for identification of primary seismic events in the presence of non- primary events (e.g. multiples) is provided in which coherency filters are used to avoid attenuation of primary events when attenuating multiples.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/10/2001** **1152/2001** **September 2003** **16/12/2003** **22970**

(51)	**Int. Cl.[7] G01V 1/28**
(71)	**1. PGS AMERICAS INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. RUBEN D. MARTINEZ** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 09/767,650 – 23/01/2001 US** **2.** **3.**
(74)	**MOHAMED KAMEL MOSTAFA**
(12)	**Patent**

(54) WEIGHTED SLANT STACK FOR ATTENUATING SEISMIC NOISE

Patent Period Started in 29/10/2001 and Ends in 28/10/2021

(57) A method and apparatus are disclosed for attenuating noise in seismic data including a plurality if input traces. The method includes transforming the seismic data from the space time domain into the slant-stack domain . Seismic data having a preslected characteristic is excluded when the transforming into the slant – stack domain .

The transformed data is inverse transformed from the slant – stack domain into the time – space domain . The method and apparatus may include anti-alias filtering the seismic traces. The method and apparatus may include p-anti- alias filtering seismic traces .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**07/05/2000** **0590/2000** **September 2003** **16/12/2003** **22971**

(51)	**Int. Cl.[7] A63B 23/18**
(71)	**1. MOHAMED SALAH HASSANEIN IBRAHIM (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED SALAH HASSANEIN IBRAHIM** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) MULTI GEM FOR STRENGTHING THE BODY MUSCLES THROUGH AUTOMATIC RESISTANCE

Patent Period Started in 07/05/2000 and Ends in 06/05/2020

(57)

- A new method of developing physical fitteness and strengthing muscles through automatic resistance from the side of the muscles to produce power extract on the shape of exercises useful for all athicitics, used also for loosing weight, physcial natural cure and for handicapts.
- The use of the set depends on pushing up wards and down wards and attracting towards the body using power arm and resistance arm and by transfering the motion in a mechanic way.

The set has several shapes and designes and size for all agas

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/09/2001** **0982/2001** **September 2003** **21/12/2003** **22972**

(51)	**Int. Cl.[7] B01D 50/00**
(71)	**1. SAMSUNG KWANGJU ELECTRONICS COMPANY LTD (SOUTH KOREA)** **2.** **3.**
(72)	**1. JANG – KEU OH** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 65660 – 06/11/2000 KU** **2.** **3.**
(74)	**HODA ANIS SERAG EL DIN**
(12)	**Patent**

(54)	**CYCLONE DUST COLLECTING APPARATUS FOR A VACUUM CLEANER**
	Patent Period Started in 16/09/2001 and Ends in 15/09/2021

(57) A cyclone dust collecting apparatus includes a cyclone body counted on a telescopic extension pipe of a vacuum cleaner, a cyclone cover and a dust receptacle. The cyclone cover has a cylindrical cover body, one end of which is closed, and a first contaminants path communicating with a first through hole. The dust receptacle is removably coupled on the cyclone cover and has a cylindrical collecting body and a second contaminants path, which communicates with the first contaminants path. The cyclone dust collecting apparatus has a consistently high dust collecting efficiency, regardless of the cleaning position of the vacuum cleaner, and prevents damage to a grill and contamination of the environment.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/09/2001** **0984/2001** **September 2003** **21/12/2003** **22973**

(51)	**Int. Cl.[7] B01D 50/00**
(71)	**1. SAMSUNG KWANGJU ELECTRONICS COMPANY LTD (SOUTH KOREA)** **2.** **3.**
(72)	**1. JANG – KEUN OH** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 70916 – 27/11/2000 KU** **2.** **3.**
(74)	**HODA ANIS SERAG EL DIN**
(12)	**Patent**

(54) CYCLONE DUST COLLECTING DEVICE FOR A VACUUM CLEANER

Patent Period Started in 16/09/2001 and Ends in 15/09/2021

(57) A cyclone dust collecting device for a vacuum cleaner includes a cyclone body and a cyclone housing for separating the contaminants from the air. The cyclone housing includes a cyclone cover and a dust collecting container . The cyclone cover has a cylindrical shape, one end of which is coupled to the cyclone body. The other end is a slanted end with a through – hole formed therein and a centrally located dome- shaped protrusion. The dust collecting container also has a slanted end, which is detachably engaged with the slanted end of the cyclone cover. The other end of the dust collecting container is tapered to correspond with the slanted end of the cyclone cover. The slanted end of the cyclone cover protects a grill in the cyclone dust collecting device during operation and removal of contaminants from the dust collecting container.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/11/2001** **1225/2001** **September 2003** **21/12/2003** **22974**

(51)	**Int. Cl.[7] A61F 13/47**
(71)	**1. KIMBERLY - CLARK WORLDWIDE INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. HORACIO J. MOLAS** **2. FRANZ ASCHENBRENNER** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. 09/738,077 -15/12/2000 & 09/741,486-18/12/2000 & 09/957,109 - 20/09/2001 US** **2.** **3.**
(74)	**HODA ANIS SERAG ELDIN**
(12)	**patent**

(54)	**DUAL - USE PANTILINER BACKGROUND OF THE INVENTION**
	Patent Period Started in 20/11/2001 and Ends in 19/11/2021

(57) There is provided a pantiliner which has a periphery and at least one fold line . The fold line allows the pantiliner to be adjusted in size by folding the pantiliner along the fold line. The product is thus convertible and may be used with conventional "hourglass" shaped panties or folded along the fold lines to fit thong panties.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/12/2001** **1329/2001** **September 2003** **21/12/2003** **22975**

(51)	**Int. Cl.[7] A47K 5/12**
(71)	**1. KIMBERLY CLARK WORLD WIDE INC (UNITEDSTATES OF AMERICA)** **2.** **3.**
(72)	**1. RICHARD P. LEWIS** **2. CLEARY E. MAHAFFEY** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. 09/741,570 -19/12/2000 & 09/911,073 - 23/07/2001 & 09/911,361 - 23/07/2001 &** **2. 09/964,289 - 26/09/2001 & 09/997,278 - 28/11/2001 & 09/964,290 - 26/09/2001 US** **3.**
(74)	**HODA ANIS SERAG ELDIN**
(12)	**patent**

(54) SELF-CONTAINED VISCOUS LIQUID DISPENSER

Patent Period Started in 11/12/2001 and Ends in 10/12/2021

(57) A viscous liquid dispenser includes a housing that defines an internal liquid reservoir. A dispensing pump mechanism is disposed at least partially within the reservoir and has a delivery end extending out of the reservoir . A mounting mechanism is configured as an intergal component of the housing and provides the dispenser with the ability to be detachable connected to complimentary mounting structure on a wall surface. A unique dispensing pump mechanism is also provided for use with any manner of viscous liquid dispenser.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/04/2002** **0443/2002** **September 2003** **21/12/2001** **22976**

(51)	**Int. Cl.[7] B32B 3/26**
(71)	**1. PHILIP MORRIS PRODUCTS SA (SWEITZERLAND)** **2.** **3.**
(72)	**1. REYNALD AECHLIMANN** **2. BODO W. LUTZIG** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**HODA ANIS SERAG EL DEIN**
(12)	**patent**

(54) EMBOSSED SHEET

Patent Period Started in 30/04/2002 and Ends in 29/04/2022

(57) An embossed sheet in the form of an inner wrap 40 for a cigarette pack is disclosed. The sheet comprises two layers of contrasting appearance , and the embossing removes one of the layers over regions 42 of the sheet to impart a characteristic appearance to the sheet.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/06/2000** **0727/2000** **September 2003** **21/12/2003** **22977**

(51)	**Int. Cl.[7] F27B 03/24**
(71)	**1. SMS SCHLOEMANN - SIEMAG AG (GERMANY)** **2.** **3.**
(72)	**1. MANFRED SCHUPERT** **2. PETER STARKE** **3.**
(73)	**1. SMS DEMAG AG (GERMANY)** **2.**
(30)	**1. 19925599,7 - 04/06/1999 DE** **2.** **3.**
(74)	**HODA ANIS SERAG EL DEIN**
(12)	**patent**

(54) PROCESS AND DEVICE FOR THE OPERATION OF ELECTRIC ARC MELTING FURNACES AND/OR RESISTANCE MELTING FURNACES

Patent Period Started in 03/06/2000 and Ends in02/60/2020

(57) In order to cool also the lower part of electric arc and/or resistance melting furnaces , it is proposed, according to the invention, to surround this lower part, the actual melting vessel at a distance with a bowl-shaped jacket and to utilize the thus formed intermediate space as a cooling device and impinge it with a coolant.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/08/2000** **1085/2000** **September 2003** **21/12/2003** **22978**

(51)	**Int. Cl.[7] A61F 13/15**
(71)	**1. KIMBERLY - CLARK WORLDWIDE INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. NEFETARI E. BORDAIN** **2. SUZANNE M. SCHMOKER** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. 09637,432-11/08/20000 US** **2.** **3.**
(74)	**HODA ANIS SERAG EL DEIN**
(12)	**patent**

(54)	**REFASTENABLE ABSORBENT ARTICLE EXHIBITING IMPROVED BODY FIT**
	Patent Period Started in22/08/2000 and Ends in 21/08/2020

(57) A refastenable disposable absorbent article is disclosed having a front portion a back portion and a crotch portion. The crotch portion connects the front portion to the back portion. The front portion has a central section including first and second side edges. First and second lateral sections are releasably attached to the central section and each lateral section has an outward edge. The front portion also has a first end and a second end. The back portion has first and second side edges and first and second ends . The back portion is divided into a first section and a second section . The first section has a length L_2 measured perpendicularly from the first end of the back portion to a line drawn parallel thereto. Multiple elastic strands extend trends extend transversely across the first section from the frist side edge to the second side edge. The second section has a length L_3 measured perpendicularly from the second end to the line drawn parallel to the first end whereby a ratio L_2/L_3 is established which ranges from between about 0.1 to about 2. The absorbent article further includes a liquid permeable liner secured to at least one of said front, back or crotch portions and an absorbent core positioned below the liner. Each of the outward edges of the first and second lateral sections of the front portion are secured to one of the first and second side edges of the back portion to form a pant - like article having a waist opening and a pair of leg openings.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/09/2000** **1140/2000** **September 2003** **21/12/2003** **22979**

(51)	**Int. Cl.[7] C21B 7/10**
(71)	**1. SMS SCHLOEMANN-SIEMAG AG (GERMANY)** **2.** **3.**
(72)	**1. ELMAR KORBIK** **2. AXEL KUBBUTAT** **3. OTHERS**
(73)	**1. SMS DEMAG AG (GERMANY)** **2.**
(30)	**1. 19943287,2 - 10/09/1999 GE** **2.** **3.**
(74)	**HODA ANIS SERAG EL DEIN**
(12)	**patent**

(54) COPPER COOLING PLATE FOR METALLURGICAL FURNACES

Patent Period Started in 09/09/2000 and Ends in 0809202

(57) The principle is known , for the securing of copper cooling plates to furnace armour plate of metallurgical furnaces, of the cooling medium pipes being connected gas-tight, by welding, by means of compensators in a flexible manner to the furnace armour plate , in order to avoid the destruction of the securing system by armally- induces reciprocal bending stresses. According to the invention it is proposed that at least one fixed-point suring element is arranged in the vicinity of the cooling medium pipe , as a result of which at least part of the otherwise usual compensators are not required, and costs can therefore be saved.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/04/2001** **0361/2001** **September 2003** **21/12/2001** **22980**

(51)	**Int. Cl.[7] C22C 9/06 & B22D 11/06**
(71)	**1. SMS DEMAG AG (GERMANY)** **2. SCHMELZMETALL AG (SWITZERLZND)** **3.**
(72)	**1. GEREON FEHLEMANN** **2. GERHARD KOHLERT** **3.**
(73)	**1.** **2.**
(30)	**1. 1008504.5- 14/04/2021 DE** **2.** **3.**
(74)	**HODA ANIS SERAG EL DEIN**
(12)	**patent**

(54) UTILIZATION OF A HARDENABLE COPPER ALLOY FOR INGOT MOULDS

Patent Period Started in 11/04/2001 and Ends in 10/04/2021

(57) The invention relates to the utilization of a hardenable copper alloy with a content of beryllium of 0.1 % to 0.5% and a content of nickel of 0.5 % to 2.0 % for the production of broad side sheets for flat slab - continuous casting ingot moulds at casting speeds of at least 2 to 6 m/min or more.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/06/2001** **0586/2001** **September 2003** **21/12/2001** **22981**

(51)	**Int. Cl.[7] H05B 7/109**
(71)	**1. SMS DEMAG AKTIENGESELLSCHAFT (GERMANY)** **2.** **3.**
(72)	**1. GUIDO GRUND** **2. ANDREAS SCHURING** **3. KURT OGOREK**
(73)	**1.** **2.**
(30)	**1. 10027755,1 - 03/06/2000 GR** **2.** **3.**
(74)	**HODA ANIS SERAG EL DEIN**
(12)	**patent**

(54) PROCESS AND SERVICE FOR CHANGING THE ELECTRODES ON AN ELECTRICALLY-OPERATED METALLURGICAL VESSEL,IN PARTICULAR AN ARCE FURNACE

Patent Period Started in03/06/2001 and Ends in 02/06/2021

(57) A process for changing the electrodes on an electrically - operated metallurgical vessel , in particular an are furnace, by the replacement of a unit which consists of contact electrodes arranged on a base plate with electrical connections and coolant media and thermocouple connections, against a new unit, is put into effect by the consumed unit after being released from the vessel floor , is lowered onto a positioned replacement carriage or a replacement adapted respectively , and is transported away and that the new unit, transported into position on the replacement carriage or replacement adapter respectively, is introduced is a self - centering manner into the vessel floor from beneath and is secured in position.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/07/2001** **0781/2001** **September 2003** **21/12/2003** **22982**

(51)	**Int. Cl.[7] C07C 51/265 , 63/06 , 63/38 , 63/26 , 63/15**
(71)	**1. E.I.DU PONT DE NEMOURS AND COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. DEREK A. GRAHAM** **2. PAUL A. HAMLEY** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. 60/219,388 - 19/07/2000 & 09/905,094 - 13/07/2001 US** **2.** **3.**
(74)	**HODA ANIS SERAG EL DEIN**
(12)	**patent**

(54)	**PRODUCTION OF AROMATIC CARBOXYLIC ACIDS**
	Patent Period Started in 17/07/2001 and Ends in 16/07/2021

(57) A process for the production of an aromatic carboxylic acid comprising contacting in the presence of a catalyst , within a continuous flow reactor, one or more precursors of the aromatic carboxylic with an oxidant such contact being effected with said precursor and the oxidant in an aqueous solvent comprising water under supercritical conditions or near supercritical condition close to the supercritical point such that said one or more precursors, oxidant and aqueous solvent constitute a substantially single homogeneous phase in the reaction zone, wherein the contact of at least part of said precursor with said oxidant is contemporaneous with contact of said catalyst with at least part of said oxidant.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/04/2001** **0435/2001** **September 2003** **21/12/2003** **22983**

(51)	**Int. Cl.[7] A61K 35/78**
(71)	**1. Dr. FARID ABDEL-REHEIM ABDEL AZIZ BADRIA(EGYPT)** **2.** **3.**
(72)	**1. Dr. FARID ABDEL-REHEIM ABDEL AZIZ BADRIA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**patent**

(54) PREPARATION OF NEW PRODUCT OF NATURAL ORIGIN FOR TREATMENT OF PARASITES AND WORMS

Patent Period Started in 30/04/2001 and Ends in 29/04/2021

(57) This invention provide a perfect model for optimization and utilization of old and ancient natural products. A mixture from the volatile oils and resins from "Myrrh" , " Olibanum" ,and " Colophony" were prepared in aspecified ratios to produce a viscous liquid with aromatic odor. This inventiion describes the method of preparation of this mixture and formulation of the new preparation in a granular powder forms or as tablet or in a form of capsules (soft or hard gelatin). This preparation proved to efficient for treatment of broad range of worms and parasites (Bilharazasis , Ascaris, oxyris , Tineas, and Fasciola and Giardia).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/01/2001** **0033/2002** **September 2003** **21/12/2003** **22984**

(51)	**Int. Cl.[7] G08K 9/04 & C09C 3/08**
(71)	**1. OMYA AG (SWITZERLAND)** **2.** **3.**
(72)	**1. HANS U. HOPPLER** **2. EDWIN OCHSNER** **3. DANIEL RFEY**
(73)	**1.** **2.**
(30)	**1. 0100365 - 12/01/2001 FR** **2.** **3.**
(74)	**YASER FAROUK MOBARAK**
(12)	**patent**

(54)	**TREATING PROCESS OF A MINERAL FILLER BY A POLYDIALKYLSIL OXANE AND A FATTY ACID, HYDROPHOBIC FILLERS THUS OBTAINED AND THEIR USES IN POLYMERS FOR "BREATHABLE " FILMS"**
	Patent Period Started in 12/01/2002 and Ends in 11/01/2022

(57) The invention relates to a method for treating a mineral filler by means of a polydialkylsiloxane and a fatty acid , the hydrophobic fillers thus obtained, and the application thereof in polymers for the manufacture of films and notably " breathable" films.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/01/2002** **0007/2002** **September 2003** **21/12/2003** **22985**

(51)	**Int. Cl.[7] B24B 15/00 & E02B 5/02**
(71)	**1. SALAH AHMED SAYED . (EGYPT)** **2.** **3.**
(72)	**1. SALAH AHMED SAYED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**patent**

(54)	**METHOD AND DEVICE FOR PURIFICATION AND CRYSTALLIZE CELLULOSE FROM THE FLOWER OF ZEA MAIZE PLANT**
	Patent Period Started in 19/12/1998 and Ends in 18/12/2018

(57) A simple teehnique is introduced to process and erystallize cellulose from the flower of/zea Maize plant.Which grows in Egypt. The whole flower is used after removal of the seeds.The oil and colour contaminants are removed in two steps.Cellulose hydrolysis and crystallization is carried out using an acid.

An apparatus for proeessing the eellulose in designed.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/10/2001** **1048/2001** **September 2003** **22/12/2003** **22986**

(51)	**Int. Cl.[7] A45D 6/00**
(71)	**1. ABD EL SAMIE ABD EL LATIF ABD EL SAMEI EL HAWARY (EGYPT)** **2.** **3.**
(72)	**1. ABD EL SAMIE ABD EL LATIF ABD EL SAMEI EL HAWARY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**patent**

(54) A MACHINE FOR SHARING HAIR WITH STRING AND CAN BE WORKED BY BAND OR BY A BATTERY

Patent Period Started in 08/10/2001 and Ends in 07/10/2021

(57) This machine is two Brands and work by hand by Pivots
Thy other work by Battery length 20 sm the breadth 6 sm the upper and From 4-5 sm.
Thy lower and which is thy handy and both.
Work by spring and string and it can be held with and hand and it eandle be made Irma or any ether materially .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/19/2001** **0946/2001** **September2003** **23/12/2003** **22987**

(51)	**Int. Cl.[7] A61K 33/38**
(71)	**1. NUCLEAR ENERG ASSCIATION (EGYPT)** **2.** **3.**
(72)	**1. EL-SAYED AHAD ABD EL AZIZ** **2. HEGAZY HASSAN AHMAD ABD EL REHIM** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**patent**

(54) PREPARATION OF MEDICAL HYDROGELS FOR WOUND DRESSING

Patent Period Started in 01/09/2001 and Ends in 31/08/2021

(57) Development and preparation of hydrophilic polymeric materials as wound dressing were carried out by electron beam irradiation of hydrophilic polymeric materials such as Poly (vinyl alcohol) PVA, poly (vinyl pyrrolidone) PVP, in aqueous solution containing some additives, e. g. polyethylene glycol. Instead of chemical method, irradiation technique by means of EB is being- used in the preparation process to produce sterilized crosslinked hydrogel. Dressing often covers the wound to accelerate its healing and prevent any microbial infection. In addition, this kind of wound dressing possesses good strength, so, it does not stick to the wound and could be completely removed easily without rinsing with physiological solution. Production of such wound dressings was made in a semi - pilot scale (about 1500 samples were prepared).

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/01/2002** **0080/2002** **September2003** **24/12/2003** **22988**

(51)	**Int. Cl.[7] A61M 5/32**
(71)	**1. TARCISIO MAGGIONI (ITALY)** **2.** **3.**
(72)	**1. TARCISIO MAGGIONI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. MI 2001 A002681 - 18/12/2001** **2.** **3.**
(74)	**WAGDY NABEEH AZZIZ**
(12)	**patent**

(54) DISPOSABLE SAFETY SYRINGE INCLUDING AN AUTOMATICALLY RETRACTABLE NEEDLE

Patent Period Started in 23/01/2002 and Ends in 22/01/2022

(57) The present invention relates to a disposable safety syringe including an automatically retractable needle for preventing said syringe from being reused, comprising a cylindric body defining, at one end thereof, a needle coupling end-piece and being opened at the other end portion thereof for introducing there into a poston having a scaling gasket.

The main feature of the invention is that on said piston are provided engaging means for engaging and retracting the needle after the delivering of the injection liquid.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/12/1999** **1671/1999** **september2003** **27/12/2003** **22989**

(51)	**Int. Cl.[7] F24J 2/04**
(71)	**1. DR. ABD EL FATTAH MONTASSER DIAB (EGYPT)** **2.** **3.**
(72)	**1. R. ABD EL FATTAH MONTASSER DIAB** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**patent**

(54)	**THE ELLIPTICAL SOLAR ENERGY HEATER "ELLIPTOHEATER"**
	Patent Period Started in 29/12/1999 and Ends in 28/12/2019

(57) This new solar heater depend upon the coliection of the global solar Radiation all the day time not only the half day time not also it get red off the dust by electrostic repulsion supplied with photovoltic cell , also the converging lens will focus the sun rays on the copper pipes which in its focus length copper pipes are positions of the internal water container are made of fiber - glass tank.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/05/2002** **0474/2002** **September2003** **27/12/2003** **22990**

(51)	**Int. Cl.[7] F16D 1/00**
(71)	**1. F.F.SEELEY NOMINEES PTY LTD (AUSTRALIA)** **2.** **3.**
(72)	**1. JAMES R. HARRISON** **2. DAVID W. MILLER** **3.**
(73)	**1.** **2.**
(30)	**1. PR 5070 - 11/05/2001 & PR 9252 - 03/12/2001 AT** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**patent**

(54)	**SHAFT DRIVE COUPLING**
	Patent Period Started in 11/05/2002 and Ends in 10/05/2022

(57) A single piece coupling device for connecting a load component to a rotatable shaft. The device comprises a sleeve having a bore for containing a rotatable shaft, an externally threaded portion and a tapered engagement face on the outer surface of the sleeve. Radial compression relief associated with the tapered engagement face is provided such that when the device is fitted on a shaft, and as the threaded portion engages with a corresponding threaded region on the load component , the tapered engagement face engages the load component and the compression relief enables the sleeve to be radially compressed to grip the shaft.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/06/2002** **0725/2002** **September2003** **27/12/2001** **22991**

(51)	**Int. Cl.[7] C07D 307/78**
(71)	**1. H.LUNDBECK A/S(DENMARK)** **2.** **3.**
(72)	**1. RIKKER E. HUMBLE** **2. TROELS V. CHRISTENSEN** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. PA 200 100991 - 25/06/2001 DK** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**patent**

(54) PROCESS FOR THE PREPARATION OF RACEMIC CITALOPRAM AND/OR S- OR R- CITALOPRAM BY SEPARATION OF A MIXTURE OF R- AND S-CITALOPRAM

Patent Period Started in24/06/2002 and Ends in 23/06/2202

(57) The invention relates to a process for the preparation of racemic citalopram free base or an acid addition salt thereof and/or r- or S- citalopram as the free base or an acid addition salt thereof by separation of a mixture of R- and S- eitalopram with more than 50% of one of the enantiomers into a fraction consisting of raceme citalopram and/or a fraction of S-citalopram or R- citalopram and/or a fraction of S- citalopram or R- citalopram characterized in that

i) citalopram is precipitated from a solvent as the free base or as an acid addition salt thereof:

ii) the precipitate formed is separated from the mother liquor

iia) if the precipitate is crystalline it is optiionally recrystallised or more times to form racemic citalopram and then optionally converted into an acid addition salt thereof

iib) if the precipitate is not crystalline. Steps I) and ii) are optionally repeated until a crystalline precipitate is obtained and the crystalline precipitate is recrystallised one or times to form racemic citalopram. And then optionally converted into an acid addition salt thereof:

ج) the more liquor is optionally subjected to further purification and S-citalopram or R- citalopram is isolated from the mother liquor and optionally conveted into an acid addition salt thereof.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/05/2002** **0452/2002** **September2003** **27/12/2003** **22992**

(51)	**Int. Cl.[7] C07C 273/04**
(71)	**1. DSM NV (NETHERLANDS)** **2.** **3.**
(72)	**1. JOHANNES H. MENNEN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 101799 0- 03/05/2001 NE** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**patent**

(54)	**PROCESS FOR THE PREPARATION OF UREA**
	Patent Period Started in 04/05/2002 and Ends in 03/05/2022

(57) Process for the preparation of urea from ammonia and carbon dioxide in which a urea synthesis solution containing urea, ammonium carbamate and unconverted ammonia is formed in synthesis zone, a part of the urea synthesis solution being transferred from the synthesis zone to a medium- pressure treatment zone operating at a pressure of 1-4 Mpa, and a gas stream from the medium – pressure treatment zone being absorbed into the low- pressure ammonium carbamate solution from the urea recovery section.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/03/2002** **0290/2002** **September2003** **27/12/2003** **22993**

(51)	**Int. Cl.[7] A47K 3/16**
(71)	**1. HOLDIAM SOCIETE ANONYME (FRANCE)** **2.** **3.**
(72)	**1. BRUNO NAHAN** **2. JOSEPH GRANATA** **3.**
(73)	**1.** **2.**
(30)	**1. 0103878 - 22/03/2001 FR** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**patent**

(54) LEG DEVICE FOR A BATH- TUB MADE OF SYNTHETIC MATERIALS AND PROCESS FOR IMPLEMENTING SAME

Patent Period Started in 23/03/2002 and Ends in 22/03/2022

(57) The present invention relates relates to a leg device for a bath-tub made of synthetic materials and the process for implementing it.

The device includes two portion that can be made intergal with each other, i.e.a receiving organ intergal with the shell of the bath-tub and a bearing element fastened to the receiving organ, the latter being made integral with the outer wall of the shell through encasing it at least partially into a recess provided for in the bottom of the latter, said encasing being completed with a chemical bond.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/04/2002** **0351/2002** **September2003** **27/12/2003** **22994**

(51)	**Int. Cl.[7] F24F 1/00**
(71)	**1. FUJITSU GENERAL LIMIRED (JAPAN)** **2.** **3.**
(72)	**1. YOSHIHIRO GUNJI** **2. SHINJI TATEYAMA** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. 2001-106716 - 05/04/2001 JP** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**patent**

(54)	**AIR CONDITIONER**
	Patent Period Started in03/04/2002 and Ends in02/04/2022

(57) In an air conditioner with a front panel projected forward, in order to increase stiffness of a body cabinet and to improve maintainability and appearance, the body cabinet is composed of : a base panel ; a top panel and a front panel, and the front panel is formed only with an air outlet port to be finished into a refined appearance having less seams, and it is adopted as basic configutation to support a front end side of the top panel by a drain pan, further a front end side of the front panel and the front end side of the top panel are coupled to each other.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/04/2002** **0412/2002** **September2003** **27/12/2003** **22995**

(51)	**Int. Cl.[7] C08L 23/10**
(71)	**1. BASELLTECH USA INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ANTEO PELLICONI** **2. ENEA GARAGNANI** **3. ALVARO VILLANUEVA**
(73)	**1.** **2.**
(30)	**1. 1202876,7- 27/07/2001 EP** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**patent**

(54)	**SOFT POLYOLEFIN COMPOSITIONS**
	Patent Period Started in 21/04/2002 and Ends in 20/04/2022

(57) A polyolefin composition comprising:

(I) from 8 to 25% by weight of a crystalline hompolymer of propylene:

(II) from 75 to 92% by weight of an elastomeric fraction comprising:

(1) a first elastomeric copolymer of propylene with from 15 to 32% by weight at least one alpha-olefin of formula H_2C=CHR, where R is H or a C_{2-6} linear or branched alkyl, optionally containing 0.5 to 5% by weight of a diene, said first elastomeric copolymer containing alpha- olefin, and having solubility in xylene at room temperature greater than 50% weight, the intrinsic viscosity of the xylene soluble fraction ranging from 3.0 to 5.0 dI/g; and

(2) a second elastomeric copolymer of propylene with at least one alpha-olefin of formula H_2C=CHR, where R is H or a C_{2-6} linear or branched alkyl, optionally containing 0.5 to 5% by weight of a diene, said second elastomeric copolymer containing more than 32% up to 45% by weight alpha-olefin, and having solubility in xylene at room temperature greater than 80%by weight, the intrinsic viscosity of the xylene soluble fraction ranging from 4.0 to 6.5 dI/g ;

the (1)(2) weight ratio ranging from 1:5 to 5:1.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/03/2002** **0278/2002** **September2003** **27/12/2003** **22996**

(51)	**Int. Cl.[7] B01J 2/16**
(71)	**1. UREA CASALE SA (SWITZERLAND)** **2.** **3.**
(72)	**1. GIANFRANCO BEDETTI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 01107028,1- 21/03/2001 EP** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**patent**

(54) FLUID BED GRANULATION PROCESS

Patent Period Started in 20/03/2002 and Ends in 19/03/2022

(57) In order to produce granules granulomertically polidispersed in a very little range, a fluid bed granulation process of the type comprising the srep of preparing a fluid bed of seeds of the substance to be granulated, having a free surface substantially horizontal; and feeding a continous flow of a fluid comprising a growth liquid, provides in the fluid bed for a continuous vortex with a substantially horizontal axis, in which an upper zone of seeds wetting and evaporation of possible solvent contained in the flow and a lower zone of solidifaction / consolidation of the growth liquid are idenlified.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/01/2002** **0038/2002** **September 2003** **27/12/2003** **22997**

(51)	**Int. Cl.[7]** **E21B 49/08 & G01N 33/28**
(71)	**1. SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ BV (NETHERLANDS)** **2.** **3.**
(72)	**1. MOHAMED N. HASHEM** **2. GUSTAVO A. UGUETO** **3.**
(73)	**1.** **2.**
(30)	**1. 01200176.4-18/01/2001 EP** **2. 60/302.982-03/07/2001 US** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DETERMINING THE VISCOSITY OF A HYDROCARBON RESERVOIR FLUID

Patent Period Started in 14/01/2002 and Ends in 13/01/2022

(57) Determining the viscosity of a hydrocarbon reservoir fluid that is present in a formation layer traversed by a borehole, which method comprises the steps of selecting a location in the formation layer; lowering in the borehole to the location a tool that comprises a central conduit having an inlet, means for displacing fluids through the central conduit, and an optical fluid analyser; making an exclusive fluid communication between the formation and the inlet of the central conduit; obtaining a spectrum of the optical density; calculating a first factor that is the maximum optical density in a predetermined short-wavelength range multiplied with the length of the short-wavelength range, calculating a second factor which is the integral over the same short-wavelength range of the spectrum, subtracting the second factor from the first factor to obtain a hydrocarbon oil property; and obtaining the magnitude of the in situ viscosity from the oil property using a relation that had been obtained by fitting a curve through previously obtained data points comprising the measured magnitude of the actual viscosity as a function of the oil property.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/01/2002** **0041/2002** **September 2003** **27/12/2003** **22998**

(51)	**Int. Cl.**[7] **E21B 49/08**
(71)	**1. SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ BV (NETHERLANDS)** **2.** **3.**
(72)	**1. MOHAMED N. HASHEM** **2. GUSTAVO A. UGUETO** **3.**
(73)	**1.** **2.**
(30)	**1. 01200180.6-18/01/2001 EP** **2. 60/302.982-03/07/2001 US** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DETERMINING THE PVT PROPERTIES OF A HYDROCARBON RESERVOIR FLUID

Patent Period Started in 14/01/2002 and Ends in 13/01/2022

(57) A method of the determining an in situ PVT property of a hydrocarbon reservoir fluid that is present in a hydrocarbon-bearing formation layer traversed by a borehole, which method comprises the steps of:

a) calculating along the hydrocarbon-bearing formation layer the pressure gradient; and

b) determining the in situ PVT property from the pressure gradient using an empirical relation that had been obtained by fitting a curve through previously obtained data points comprising the measured PVT property as a function of the pressure gradient.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/02/2002** **0132/2002** **September 2003** **27/12/2003** **22999**

(51)	**Int. Cl.[7]** **E02F 3/88**
(71)	**1. ESCO CORPORATION (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. CHARLES G. OLLINGER. IV** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 09/776.020 – 02/02/2001 US** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DREDGE CUTTERHEAD

Patent Period Started in 02/02/2002 and Ends in 01/02/2022

(57) A dredge cutterhead has a plurality of helical arms interconnecting a hub and a ring. Each of the arms has a front leading edge for attachment of cutting teeth. In one aspect, each of the arms has a trough potion, and the arm is shaped such that dredged material is directed toward the ring along the center of the trough portion. In another aspect, the ring of the cutterhead defines an annular channel for receiving loosened material.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/11/2001** **1181/2001** **September 2003** **27/12/2003** **23000**

(51)	**Int. Cl.[7]** **B29B 9/00**
(71)	**1. UREA CASALE SA (SWITZERLAND)** **2.** **3.**
(72)	**1. FEDERICO ZARDI** **2. DOMENICO ROMITI** **3.**
(73)	**1.** **2.**
(30)	**1. 00124819.4 – 14/11/2000 EP** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD FOR OBTAINING UREA PRILLS

Patent Period Started in 10/11/2001 and Ends in 09/11/2021

(57) A method for obtaining urea prills in a prilling tower comprising the step of making a plurality of melt urea droplets to fall from a urea melt distributing device towards an urea prills collecting bottom of the prilling tower, further comprises the step of cooling the collecting bottom.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/08/2001** **0892/2001** **September 2003** **27/12/2003** **23001**

(51)	**Int. Cl.[7]** **B29C 65/02 & B31B 19/90**
(71)	**1. S.C. JOHNSON HOME STORAGE INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. KARL W. BAUMAN** **2. JAMES C. PAWLOWSKI** **3.**
(73)	**1.** **2.**
(30)	**1. 09/640.402 – 15/08/2000 US** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) METHOD FOR LAMINATING CLOSURE MEMBER TO FILM WEB

Patent Period Started in 14/08/2001 and Ends in 13/08/2021

(57) Methods for forming a thermoplastic film with an attached closure strip are disclosed. The thermoplastic film can then be used to produce zippered reclosable plastic bags. The methods include providing a thermoplastic film web having a sealing surface and providing a closure strip having a binding surface, both being maintained in a non-melted condition at room temperature. A heated thermoplastic binder layer is then extruded and positioned between the sealing surface of the film web and the binding surface of the closure strip very quickly after extrusion. The hot freshly extruded binder layer transfers enough heat to the closure strip and to the film web to melt the binding surface of the closure strip and sealing surface of the film web. Pressure is then applied to the film web and the closure strip to seal the closure strip to the film web. An apparatus for practicing the method at high speed is also disclosed.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/08/2001** **0859/2001** **September 2003** **28/12/2003** **23002**

(51)	**Int. Cl.[7] C22C 38/08, 38/02, 38/04, 38/14, 38/44, 38/50 & B23K 35/22, 9/00, 9/18**
(71)	**1. EXXONMOBIL UPSTREAM RESEARCH CO. (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. DOUGLAS P. FAIRCHILD** **2. JAYOUNG KOO** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. 60/223,495 – 07/08/2000 US** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) WELD METALS WITH SUPERIOR LOW TEMPERATURE TOUGHNESS FOR JOINING HIGH STRENGTH LOW ALLOY STEELS

Patent Period Started in 06/08/2001 and Ends in 05/08/2021

(57) Weld metals suitable for joining high strength, low alloy steels are provided. These weld metals have microstructures of acicular ferrite interspersed in martensite, yield strengths of at least about 690 Mpa (100 ksi), and DBTTs lower than about 50°C-58°F) as measured by a Charpy energy versus temperature curve. These weld metals include about 0.04wt% to about 0.08 wt% carbon; about 1.0 wt% to about 2.0 wt% manganese; about 0.2 wt% to about 0.7 wt% silicon; about 0.30 wt% to 0.80 wt% molybdenum; about 2.3 wt% to about 3.5 wt% nickel; about 0.0175 wt% to about 0.0400 wt% oxygen, and at least one additive selected from the group consisting of up to about 0.04 wt% zirconium, and up to about 0.02 wt% titanium.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/07/2001** **0813/2001** **September 2003** **28/12/2003** **23003**

(51)	**Int. Cl.[7]** **A01N 45/02**
(71)	**1. ELI LILLY AND COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JAMES T. ROTHWELL** **2. LIONEL B. LOWE** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) SYNERGISTIC FORMULATIONS

Patent Period Started in 25/07/2001 and Ends in 24/07/2021

(57) The present invention relates to an active composition for controlling or eradicating Diptera pests in domestic animals or their environs, comprising a synergistic combination of at least one A83543 (Sipiocene derivatives and isomers) compound and at least one marocyclic lactone. The invention also relates to the use of the active composition in pesticidal formulations, the formulations themselves and to the various applications of those formulations as pesticides, specifically in controlling all species of Diptera pests in domestic animals or their environs. Such applications include the control of such external Diptera pests in domestic animals including but not limited to sheep, cattle, poultry, pigs, goats, camelids, horses, dogs and cats, and also the household and rural applications of such formulations in control of such pests.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/06/2001** **0668/2001** **September 2003** **28/12/2003** **23004**

(51)	**Int. Cl.**[7] **B01D 65/02**
(71)	**1. ZENON ENVIRONMENTAL INC (CANADA)** **2.** **3.**
(72)	**1. HIDAYAT HUSAIN** **2. ANDREAS DRAESNER** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. 60/213,450 – 22/06/2000 US** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) ULTRAFILTRATION AND MICROFILTRATION MODULE AND SYSTEM

Patent Period Started in 20/06/2001 and Ends in 19/06/2021

(57) A method and apparatus of purifying feedwater to remove impurities including suspended-solids therefrom, the method suitable for using in-line water pressure to permeate water through hollow fiber membranes and to backflush the membranes to remove solids collected or deposited thereon.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/05/2001** **0537/2001** **September 2003** **28/12/2003** **23005**

(51)	**Int. Cl.[7]** **A61K 7/32,7/34 , 7/38**
(71)	**1. UNILEVER PLC (UNITED KINGDOM)** **2.** **3.**
(72)	**1. DAVID A. BREWSTER** **2. ANTHONY A. SCAFIDI** **3.**
(73)	**1.** **2.**
(30)	**1. 60/206,527 – 23/05/2000 US** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) DEODORANT AND/OR ANTIPERSPIRANT COMPOSITIONS

Patent Period Started in 22/05/2001 and Ends in 21/05/2021

(57) The invention relates to antiperspirant/deodorant soft solid compositions which comprise:

a) a volatile silicone or a volatile hydrocarbon compound;
b) a structuring wax;
c) a silicone elastomer at from 0.1 to 30%; and
d) an antiperspirant or deodorant active ingredient.

The invention also relates to a method of controlling body odor and perspiration by contacting human skin with a composition of the invention.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**16/05/2001** **0512/2001** **September 2003** **28/12/2003** **23006**

(51)	**Int. Cl.**[7] **F25J 3/00, 1/00**
(71)	**1. PHILLIPS PETROLEUM COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. RONG – JWYN LEE** **2. JONG J. CHEN** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. 60/205,332 – 18/05/2000 & 09/773,533 – 08/12/2000 US** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) ENHANCED NGL RECOVERY UTILIZING REFRIGERATION AND REFLUX FROM LNG PLANTS

Patent Period Started in 16/05/2001 and Ends in 15/05/2021

(57) The present invention is directed to methods and apparatus for improving the recovery of the relatively less volatile components from a methane-rich gas feed under pressure to produce an NGL product while, at the same time, separately recovering the relatively more volatile components which are liquefied to produce an LNG product. The methods of the present invention improve separation and efficiency within the NGL recovery column while maintaining column pressure to achieve efficient and economical utilization of the available mechanical refrigeration. The methods of the present invention are particularly useful for removing cyclo-hexane, benzene and other hazardous, heavy hydrocarbons from a gas feed. The benefits of the present invention are achieved by the introduction to the NGL recovery column of an enhanced reflux lean on the NGL components. Further advantages can be achieved by thermally linking a side reboiler for the NGL recovery column with the overhead condenser for the NGL purifying column. Using the methods of the present invention, recoveries of propane and heavier components in excess of 95% are readily achievable.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/11/2001** **1212/2001** **September 2003** **28/12/2003** **23007**

(51)	**Int. Cl.**[7] **G11B 7/125**
(71)	**1. KONINKLIJKE PHILIPS ELECTRONICS NV (NETHERLANDS)** **2.** **3.**
(72)	**1. ALBERT STEK** **2. GAI G. XU** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. 00204046,7 – 17/11/2000 & 00125983,7 – 28/11/2000 EP** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) METHODS,OPTICAL RECORDING APPARATUS USING SUCH METHODS AND OPTICAL RECORDING MEDIUM FOR USE BY THE METHODS AND THE APPARATUS

Patent Period Started in 17/11/2001 and Ends in 16/11/2021

(57) Methods and an aptical recording apparatus using these methods are described in which an optium write power of a radiation beam in the apparatus is set by writing a series of test patterns on the optical recording medium, forming a read signal from the patterns and processing the read signal. Such processing involves fitting a function, preferably a straight line, to parameters obtained from the read signal without having to perform a differentiation step. An optical recording medium for use by the methods and the apparatus is also described.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/12/2001** **1335/2001** **September 2003** **28/12/2003** **23008**

(51)	**Int. Cl.**[7] **C08F 4/642, 4/646, 4/649**
(71)	**1. UNIVATION TECHNOLOGIES LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. AGAPIOS K. AGAPIOU** **2. CHI – I KUO** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. 60/256.744 – 19/12/2000 US** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) CATALYST COMPOSITION AND METHODS FOR ITS PREPARATION AND USE IN A POLYMERIZATION PROCESS

Patent Period Started in 12/12/2001 and Ends in 11/12/2021

(57) The present invention relates to a catalyst composition and a method for making the catalyst composition which comprises a polymerization catalyst and a gelling agent. The invention is also directed to the use of the catalyst composition in the polymerization of olefin. In particular, the polymerization catalyst system is supported on a carrier.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/02/2002** **0172/2002** **September 2003** **28/12/2003** **23009**

(51)	**Int. Cl.[7]** **F16L 9/18**
(71)	**1. EUROTENICA DEVELOPMENT & LICENSING SPA (ITALY)** **2. FRANCO CODIGNOLA (ITALY)** **3.**
(72)	**1. FRANCO CODIGNOLA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 01830094.7 – 13/02/2001 EP** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54)	**"A RIGID REINFORCED TUBULAR MANUFACTURED ARTICLE AND METHOD FOR ITS MANUFACTURE"**
	Patent Period Started in 12/02/2002 and Ends in 11/02/2022

(57) A reinforced tubular manufactured article consists of two concentric tubular layers or cylinders, respectively inner and outer, preferably made of glass fiber reinforced polyester resin, there being housed in the gap between said two cylinders a reinforcing element consisting of a tubular element, preferably a knurled of corrugated tube, wound in a helical spiral of predetermined pitch about said inner cylinder.

The spiral windings of said reinforcing element are fastened in the contact treas both to the inner and to the outer cylinders and for this purpose, preferably, the winding of said knurled tube on the inner cylinder is carried out when the cylinder is only just formed and the polyester resin which constitutes it is still in the paste-like state, so that the resin penetrates into the surface hollows or knurling of said reinforcing tube.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/02/2002** **0171/2002** **September 2003** **28/12/2003** **23010**

(51)	**Int. Cl.[7] C04B 28/04**
(71)	**1. SOFTTECH NV (BELGIUM)** **2.** **3.**
(72)	**1. BRUNO DROCHON** **2. SLAHEDDINE KEFI** **3.**
(73)	**1.** **2.**
(30)	**1. 01400405/5 – 15/02/2001 EP** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54)	**VERY LOW-DENSITY CEMENT SLURRY**
	Patent Period Started in 12/02/2002 and Ends in 11/02/2022

(57) A cement slurry having a density between 750 kg/m^3 and 1.000 kg/m^3, comprising a solid fraction comprising either.

75%-90% (by volume) of lightweight particles having a mean particle size between 10 and 60 μm;

10%-25% (by volume) of Portland cement having a mean particle size of between 10 and 50 μm, or micro-cement having a mean particle size between 0.5 and 5 μm; or:

20% - 50% (by volume) of lightweight particles having a mean particle size between 10 and 60 μm;

10% -25% (by volume) of Portland cement having a mean particle size of between 10 and 50 μm, or micro-cement having a mean particle size between 0.5 and 5 μm;

35% - 65% (by volume) of lightweight particles having a mean particle size between 100 and 200 μm; and

a liquid fraction present in an amount of 37% - 50% (by volume) of the total volume. Such cements have remarkable mechanical properties due to their very low porosity in spite of having very low density.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/05/2002** **0496/2002** **September 2003** **28/12/2003** **23011**

(51)	**Int. Cl.**[7] **C11D 1/94, 1/65, 1/835**
(71)	**1. ICI AMERICAS INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JOHN L. GORMLEY** **2. CRAIG B. QUEEN** **3.**
(73)	**1.** **2.**
(30)	**1. 09/855.826 – 15/05/2001 US** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54)	**MIXED POLYALKLENE GLYCOL HYDROXYALKYL ISOSTEARAMIDE AS RHEOLOGY ADJUVANTS.**
	Patent Period Started in 14/05/2002 and Ends in 13/05/2022

(57) Adjuvant surfactant compositions for beneficially modifying the properties, particularly theological properties, of surfactant systems are provided. The surfactant compositions, which include at least one primary surfactant and can be substantially free of monoethanolamines, diethanolamines, and diethanolamides include alkoxylated hyderoxyalkyl isostearamide which is substantially a liquid at room temperature. The isostearamide composition may also include a second surfactant. Methods of preparation and uses are also disclosed.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/07/1999** **0939/1999** **September 2003** **28/12/2003** **23012**

(51)	**Int. Cl.[7]** **G01V 3/32 & G01R 33/28**
(71)	**1. SCHLUMBERGER HOLDINGS LIMITED (BRITISH VIRGIN ISLANDS)** **2.** **3.**
(72)	**1. PETER SPEIER** **2. MARTIN E. POITZSCH** **3. STEVEN E. CRARY**
(73)	**1.** **2.**
(30)	**1. 60/094,677 – 30/07/1998 US** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54)	**DETECTING TOOL MOTION EFFECTS ON NUCLEAR MAGNETIC RESONANCE MEASUREMENTS**
	Patent Period Started in 29/07/1999 and Ends in 28/07/2019

(57) A method usable with an NMR measurement apparatus, comprising performing a plurality of NMR measurements of a sample, at least two of the measurements having different sensitivities to a motion of the apparatus with respect to the sample, and using the results of the measurements to determine an effect of the motion on at least one of the measurements.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/01/2000** **0108/2000** **September 2003** **28/12/2003** **23013**

(51)	**Int. Cl.**[7] **A01N 25/28**
(71)	**1. AVENTIS AGRICULTURE LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. DAVID A. ROBERTS** **2. RACHEL M. COLEGATE** **3. ROBERT ZERROUK**
(73)	**1.** **2.**
(30)	**1. 9902232,9 – 01/02/1999 & 9908313,1 – 12/04/1999 GB** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) WEED CONTROL

Patent Period Started in 31/01/2000 and Ends in 30/01/2020

(57) A method for controlling the growth of weeds of at a locus in a solid growing medium which comprises treating the locus with a composition comprising an isoxazole herbicide to provide progressive or sequential delivery or release of isoxazole herbicide into the surface layer of the medium.

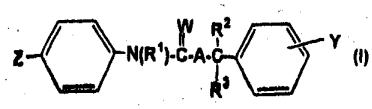
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/07/2000** **0873/2000** **September 2003** **28/12/2003** **23014**

(51)	**Int. Cl.**[7] **A01N 47/34, 37,44**
(71)	**1. AMERICAN CYANAMID COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. KAZUHIRO TAKAGI** **2. YASUHIRO WADA** **3. RIKIO YAMAGUCHI**
(73)	**1.** **2.**
(30)	**1. (H I I (1999) – 190671) – 05/07/1999 JP** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) ANT CONTROLLERS AND METHOD FOR APPLICATION THEREOF.

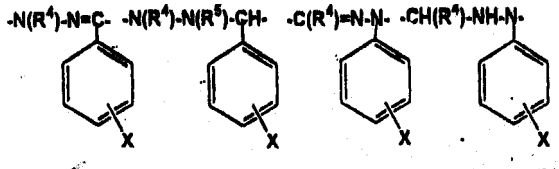
Patent Period Started in 04/07/2000 and Ends in 03/07/2020

(57) The present invention provides an excellent ant controller for protecting wooden materials such as trees, board fences, sleepers, etc. and structures such as shrines, temples, houses, outhouses, factories, etc. from termites, and for controlling ants doing harm to crops or human, which contains as active, ingredient thereof a hydrazine derivative represented by general formula (1):



(I)

Wherein A represents one of the following formulas:



(wherein R^4 and R^5 are H, C_1-C_6 alkyl, etc.; X is 1 to 5 substituents selected from H, halogen and (halo) C_1-C_6 alkyl); R^1 is H or C_1-C_6 alkyl; R^2 and R^3 are H, C_1-C_6 alkyl, pheny; carbonyl, etc; Y is 1 to 5 substituents selected from H, halogen, nitro and cyano; Z is halogen, cyano, C_1-C_6 alkyl, etc; and W is O or S); and a method for application of the ant controller.

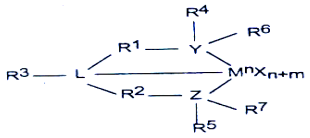
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/05/2000** **0624/2000** **September 2003** **28/12/2003** **23015**

(51)	**Int. Cl.[7]** **C08F 10/00**
(71)	**1. UNIVATION TECHNOLOGIES, LLC (UNITED STATES OF AMERICA)** **2. MASSACHUSETTS INSTITUTE OF TECHNOLOGY (UNITED STATES OF AMERICA)** **3.**
(72)	**1. RICHARD R. SCHROCK** **2. DAVID H. MCCONVILLE** **3.**
(73)	**1.** **2.**
(30)	**1. 09/312,878 – 17/05/1999 US** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) METHOD OF POLYMERIZATION

Patent Period Started in 15/05/2000 and Ends in 14/05/2020

(57) The invention relates to a composition of matter represented by the formula below, and to a polymerization process comprising combining an olefin in the gas or slurry phase with an activator, a support and a compound represented by the following formula:



Wherein
M is group 3 to 14 metal,
Each X is independently an anionic leaving group,
n is the oxidation state of M,
m is the formula charge of YZL ligand,
Y is a group 15 element,
Z is group 15 element,
L is a group 15 or 16 element,
R^1 and R^3 are indepently a C_1 to C_{20} hydrocarbon group, a heteroatom containing group, silicon, germanium, tin, lead, phosphorus, a halogen,
$R^1$and R^2 may be also be interconnected to each other,
R^3 is absent, or is hydrogen, a group 14 atom containing group, a halogen, a heteroatom containing group,
R^4 and R^5 are independently an aryl group, a substituted aryl group, a cyclic alkyl group, a substituted cyclic alkyl group or multiple ring system,
R^6 and R^7 are independently absent or hydrogen, halogen, a heterocatom or a hydrocarbyl group, or a heteroatom containing group.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/01/2001** **0095/2001** **September 2003** **28/12/2003** **23016**

(51)	**Int. Cl.**[7] **C07C 15/40, 15/46, 5/333, 2/66, 6/12**
(71)	**1. THE DOW CHEMICAL COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. SIMON J. HAMPER** **2. WILLIAM M. CASTOR** **3. RICHARD A. PIERCE**
(73)	**1. DOW GLOBAL TECHNOLOGIES INC (UNITED STATES OF AMERICA)** **2.**
(30)	**1. 60/179,690 – 02/02/2000 US** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) INTEGRATED PROCESS FOR PRODUCING AN ALKENYL-SUBSTITUTES AROMATIC COMPOUND

Patent Period Started in 31/01/2001 and Ends in 30/01/2021

(57) An integrated process of preparing a C_{2-5} alkeny1- substituted aromatic compound using a C_{6-12} aromatic compound and a C_{2-5} alkane as raw materials. The process involves feeding a C_{2-5} alkane , for example ethane , and a C_{2-5} alky1- substituted aromatic compound , for example ethylbenzene, to a dehydrogenation reactor for concurrent dehydrogenation to a C_{2-5} alkene, for example ethylenen, and a C_{2-5} alkenyl-substituted aromatic compound, for example styrene; separating the dehydrogenation effluent to recover a gaseous stream containing alkene, hydrogen, and alkane, and to recover the aromatics with high efficiency; feeding the gas stream and C_{6-12} aromatic compound to an alkylation reactor to obtain the corresponding C_{2-5} alkyl-substituted aromatic compound, which is recycled to the dehydrogenation reactor; subjecting the alkylation unit vent stream containing alkane and hydrogen to a separation step to recover alkane, which is recycled to the dehydrogenation unit; hydrogen, which is recovered at 99 precent chemical grade purity; and energy.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/09/2001** **0971/2001** **July 2003** **28/12/2003** **23017**

(51)	**Int. Cl.**[7] **D01D 5/23 & A46D 1/00**
(71)	**1. CORONET – WERKE GMBH (GERMANY)** **2.** **3.**
(72)	**1. GEORG WEIHRAUCH** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 10046536,6 – 19/09/2000 DE** **2.** **3.**
(74)	**MOHAMED MOHAMED BAKIR**
(12)	**Original**

(54) METHOD FOR PRODUCING BRUSHWARE

Patent Period Started in 12/09/2001 and Ends in 11/09/2021

(57) In a method for producing brushware, individual bristles of plastic material or bristles conbined into group in a predetermined arrangement are mounted onto a support, thereby forming the desired bristle stock, and at least one part of the bristles in the predetermined arrangement or on the mounted bristle stock is provided with a preferably regular structure in a contact – free fashion using laser radiation. The invention also proposes contact-free cutting of the free ends of the bristles through laser radiation thereby producing, in a reproducible fashion, structures on the outside and on top of the bristle stock to support the cleaning action.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/03/2002** **0308/2002** **August 2003** **29/12/2003** **23018**

(51)	**Int. Cl.[7]** **C01C 1/04**
(71)	**1. MG TECHNOLOGIES AG (GERMANY)** **2.** **3.**
(72)	**1. GERT UNGAR** **2. JURG D. UNGAR** **3. CARMEN S. UNGAR**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**LOTFY MAHMOUD MOHAMED LOTFY**
(12)	**Patent**

(54) PROCESS FOR THE CATALYTIC PRODUCTION OF AMMONIA FROM SYNTHESIS GAS

Patent Period Started in 25/03/2002 and Ends in 24/03/2022

(57) Ammonia is produced from a synthesis gas containing nitrogen and hydrogen on a granular catalyst in at least one reactor at pressures in the range from 50 to 300 bar and temperatures in the range from 100 to 600°C. A product mixture containing NH_3 vapor is withdrawn from the reactor is cooled, and ammonia is condensed and separated. There is obtained a recycle gas to which fresh synthesis gas is admixed, the recycle gas being recirculated to the reactor as synthesis gas. Untreacted synthesis gas is passed through a first catalyst bed free of cooling tubes and subsequently as partly reacted synthesis gas with an NH_3 content of 5 to 20 vol-% as heating fluid through a heat exchanger. Partly reacted synthesis gas is passed through at least one further catalyst bed, through which extend cooling tubes. Unreacted synthesis gas is passed as cooling gas through. The cooling tubes of the further catalyst bed, and cooling gas heated to 300 to 500°C is introduced into the first catalyst bed, unreacted synthesis gas flows through the cooling tubes and the further catalyst bed in a cocurrent flow.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/02/2001** **0196/2001** **August 2003** **30/12/2003** **23019**

(51)	**Int. Cl.[7]** **B29C 44/04, 44/00 & A47L 13/16**
(71)	**1. CORONET – WERKE GMBH (GERMANY)** **2.** **3.**
(72)	**1. GEORG WEIHRAUCH** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 10010508,4 – 07/03/2000 DE** **2.** **3.**
(74)	**MOHAMED MOHAMED BAKIR**
(12)	**Patent**

(54) CLEANING OR APPLICATION DEVICE HAVING A SPONGE BODY AND METHOD FOR ITS MANUFACTURE

Patent Period Started in 27/02/2001 and Ends in 26/02/2021

(57) A method for the manufacture of a cleaning or application sponge is characterized in that a sponge body is foamed in a mould to a substantially definitive sponge shape. The outer surface of the sponge body has at least in partial areas a hardened or strengthened outer skin, which can at least zonally be removed in a following method step. The sponge body can also have a closed – cell structure, which is zonally opened in a following method step.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/01/2001** **0007/2001** **August 2003** **30/12/2003** **23020**

(51)	**Int. Cl.**[7] **B65H 35/00, 35/04**
(71)	**1. SCHMALE-HOLDING GMBH & CO (GERMANY)** **2.** **3.**
(72)	**1. BETER REINDERS** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 10000262,5 – 06/01/2000 & 10019383,8 – 19/04/2000 DE** **2.** **3.**
(74)	**MOHAMED MOHAMED BAKIR**
(12)	**Patent**

(54) CUTTING AND TRANSPORTING A SHEET WORKPIECE

Patent Period Started in 03/01/2001 and Ends in 02/01/2021

(57) An apparatus for cutting sheets from an elongated workpiece is operated by first closing a pair of grippers on a workpiece leading end of the workpiece to leave a sheet held in the grippers. The grippers holding the sheet are moved downward and in an output direction to align the sheet with an output plane and pass the sheet to an output conveyor. The grippers are opened to release the cut-off sheet to the output conveyor for displacement of the sheet away in the output direction. Then the upper gripper is moved downstream in the output direction until it is out from underneath the input station and the lower gripper is moved upward to immediately above the upper plane and the lower gripper upward to immediately below the upper plane. Finally the upper gripper is moved upstream in the output direction until it is above the input station and the lower gripper is moved downstream in the output direction until it is underneath the input station. After the sheet has been moved out of the input station the leading end of the workpiece is advanced on the input plane into the input station so the cycle can be repeated.

Arab Republic of Egypt
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PATENTS' ABSTRACTS

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		(21)	**0398/2001**
		(44)	**July 2003**
		(45)	**04/01/2004**
		(11)	**23021**

(51)	**Int. Cl.[7]** **B22D 15/00, 29/00, 11/08**
(71)	**1. Eng. HEBATALRAHMAN AHMED HAFEZ (EGYPT)** **2.** **3.**
(72)	**1. Eng. HEBATALRAHMAN AHMED HAFEZ** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) THE DESIGN AND MANUFACTURING OF IRON TREATED AND LUBRICATED MOLD FOR MANUFACTURING OF PLASTICS, COMPOSITE MATERIAL AND POWDER METALLURGY PRODUCTS

Patent Period Started in 23/04/2001 and Ends in 22/04/2021

(57) Manufacturing of plastics and composite materiel considers as one of the most important and modern industries in this century. Great part of the cost of this industry concentrated on manufacturing of the molds which is high relative to its lifetime. The mold affect the size, shape and surface finish of the product and also the volume of the lost material during manufacturing and most of this disadvantages may be overcome by manufacturing the mold from iron and heat treated the body of the mold by heating it to temperature 700:1000C and this followed by water cool and lubricate the inner surface of the mold by heavy petroleum oil to facilitate remove of the product from the mold, reduce the machining process required to the minimum level, improve surface finish and reduce the amount of lost material. This type of treatment improve the ability of the mold to withstand higher temperatures and pressures, facilitate the manufacturing of the intricate shapes and allow the increase of reinforcement matrix ratio and produce facilities in the manufacture of the powder metallurgy products.

We make practical model of the mold and test it experimentally in manufacturing the following products:

1- Perspex (thermoplastic)
2- Acrylic reinforced by fiber glass (composite material) and these experiments produce desirable results.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 23/01/2002** **(21) 0088/2002** **(44) September 2003** **(45) 10/01/2004** **(11) 23022**

(51)	**Int. Cl.[7]** **F16L 15/00**
(71)	**1. SUMITOMO METAL INDUSTRIES LTD (JAPAN)** **2.** **3.**
(72)	**1. KUNIO GOTO** **2. TOSHIRO ANRAKU** **3.**
(73)	**1.** **2.**
(30)	**1. 2001-17257 – 25/01/2001 JP** **2.** **3.**
(74)	**ASHRAF IBRAHIM ABDEL NABY**
(12)	**Patent**

(54) THREADED JOINT FOR STEEL PIPES HAVING IMPROVED GALLING RESISTANCE AND RUST-PREVENTING PROPETIES

Patent Period Started in 23/01/2002 and Ends in 22/01/2022

(57) In a threaded joint for steel pipes comprising a pin and a box capable of mating with each other, the pin having an externally threaded portion and an unthreaded metal contact portion as a mating surface, and the box having an internally threaded portion and an unthreaded metal contact portion as a mating surface, the mating surface of at least one of the pin and the box is coated with a lower porous zinc or zinc alloy layer by blast plating and with an upper coating which is either a solid lubricating coating (comprising a lubricating powder in an organic or in organic binder) or a liquid, heavy metal powder-free coating (e.g., a liquid coating based on a highly basic organic acid metal salt such as a highly basic metal sulfonate). The threaded joint exhibits improved galling resistance, rust-preventing properties, and gas tightness even after exposure to a high temperature and makes it possible to perform repeated fastening (make-up) and loosening (break – out) in a high-temperature oil well without application of a compound grease containing a heavy metal powder.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 06/02/2001** **(21) 0105/2001** **(44) September 2003** **(45) 10/01/2004** **(11) 23023**

(51)	**Int. Cl.[7]** **E21B 37/06, 33/138**
(71)	**1. DEN NORSKE STATS OLJESELSKAP AS (NORWAY)** **2. CHAMPION TECHNOLOGIES INC (UNITED STATES OF AMERICA)** **3.**
(72)	**1. REX M. WAT** **2. HANS K. KOTLAR** **3.**
(73)	**1.** **2.**
(30)	**1. 0003214.4 – 11/02/2000 GB** **2.** **3.**
(74)	**MOURICE WAHBA MOUSSA**
(12)	**Patent**

(54) METHOD OF TREATING RESERVOIR ZONE OF HYDROCARBON PRODUCING WELL TO INHIBIT WATER PRODUCTION PROBLEMS

Patent Period Started in 06/02/2001 and Ends in 05/02/2021

(57) A method of treating an oil to inhibit scale formation. An oil soluble scale inhibitor is injected into the well during the completion phase. The inhibitor hydrolyses on contact with connate water in the well and the active part enters the water phase. It remains in the water phase while oil is extracted and until the water breaks through. At that stage, the inhibitor becomes active in inhibiting scale formation.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)**	**19/06/2001**
		(21)	**0655/2001**
		(44)	**September 2003**
		(45)	**10/01/2004**
		(11)	**23024**

(51)	**Int. Cl[7]** **H02B 5/00, 1/00**
(71)	**1. ALSTOM (FRANCE)** **2.** **3.**
(72)	**1. JEAN MARMONIER** **2. JEAN-PAUL AUDREN** **3.**
(73)	**1.** **2.**
(30)	**1. 0008120 – 23/06/2000 FR** **2.** **3.**
(74)	**MOURICE WAHBA MOUSSA**
(12)	**Patent**

(54) A HYBRID HIGH-VOLTAGE SUBSTATION HAVING BUSBARS THAT ARE ENCLOSED IN METAL CLADDING AND A BACKUP PHASE THAT IS AIR INSULATED

Patent Period Started in 19/06/2001 and Ends in 18/06/2021

(57) The hybrid high-voltage substation comprises firstly equipment implemented using metal-clad technology and consliluted by at least one single or double busbar set and secondly equipment implemented using conventional air-insulated technology so as to form feeders disposed in bays approximately perpendicular to said busbar set. The substation is characterized in that it incorporates at least one air-insulated backup line approximately parallel to the busbar set and performing the function of backup phase to enable the substation to operate in "degraded" manner.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/12/2001** **1277/2001** **October 2003** **10/01/2004** **23025**

(51)	**Int. Cl.[7]** **A61K 35/78**
(71)	**1. Dr. HATEM MOHAMED DARWISH HEGAZI (EGYPT)** **2. MOHAMED DARWISH ABDEL AZZIZ HEGAZI (EGYPT)** **3.**
(72)	**1. Dr. HATEM MOHAMED DARWISH HEGAZI** **2. MOHAMED DARWISH ABDEL AZZIZ HEGAZI** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) SYRUP TO TREAT, QUIT CIGARETTE SMOKING

Patent Period Started in 01/12/2001 and Ends in 30/11/2021

(57) Prepare the effective herbs blend as volumes noted besides following items :-

1- Waybreak (3)

2- Common rose mary (1)

3- Rocket (1)

Usage

Add a volume of one small spoon effective blend or a porous bag with 2.5grams herbs blend to a cup full with 150cc boiled water and agitate. Drink a volume of one big spoon every two hours.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/12/2001** **1302/2001** **October 2003** **10/01/2004** **23026**

(51)	**Int. Cl.[7]** **B21D 53/04**
(71)	**1. PECHINEY RHENALU (FRANCE)** **2.** **3.**
(72)	**1. YVES DOREMUS** **2. LAURENT POIZAT** **3. HAYAT ELGHAZAL**
(73)	**1.** **2.**
(30)	**1. 0016082 – 11/12/2000 FR** **2.** **3.**
(74)	**WAGDY NABEEH AZZIZ**
(12)	**Patent**

(54) INTEGRATED CIRCUIT ALUMINIUM PANEL PRODUCTION METHOD

Patent Period Started in 05/12/2001 and Ends in 04/12/2021

(57) The invention relates to an aluminium OSF integrated circuit panel production method comprising surface preparation of two aluminium alloy sheets, deposition on one of the sheets of a weld-proof ink in reserved areas corresponding to the design of the circuit, connection by rolling of the sheets together, and expansion of the channels corresponding to the non-welded areas using a pressurised fluid, wherein one of the sheets is made of 1000 series alloy and the other of an alloy containing iron and manganese and such that Fe + Mn > 0.8% (by weight), and preferentially > 1, 0r 1.5%. The iron and manganese alloy is preferentially obtained by continuous casting of strips between two cooled rolls.

The invention also relates to a continuous aluminium alloy integrated circuit panel production method.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)**	**20/05/2002**
		(21)	**0529/2002**
		(44)	**October 2003**
		(45)	**10/01/2004**
		(11)	**23027**

(51)	**Int. Cl.[7]** **F27B 13/02**
(71)	**1. ALUMINIUM PECHINEY (FRANCE)** **2.** **3.**
(72)	**1. CHRISTIAN DERYER** **2. NIGEL BACKHOUSE** **3.**
(73)	**1.** **2.**
(30)	**1. 0107083 – 30/05/2001 FR** **2.** **3.**
(74)	**WAGDY NABEEH AZZIZ**
(12)	**Patent**

(54) CHAMBER FURNACE PIT COOLING METHOD AND DEVICE

Patent Period Started in 20/05/2002 and Ends in 19/05/2022

(57) The invention relates to a ring furnace pit cooling method, comprising the production of a flux of cooling fluid inside the pit and the flow of at least a part of said flux in a roughly vertical manner along determined surfaces of the walls of the pit. The invention also relates to a device capable of implementing the method.

The invention makes it possible to accelerate the cooling rate of ring furnace pits considerably.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)**	**03/11/2001**
		(21)	**1165/2001**
		(44)	**October 2003**
		(45)	**11/01/2004**
		(11)	**23028**

(51)	**Int. Cl.[7]** **D01F 6/62**
(71)	**1. ZIMMER AG (GERMANY)** **2.** **3.**
(72)	**1. DIETMAR WANDEL** **2. ACHIM DULLING** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. 10054422.3 – 03/11/2000 DE** **2.** **3.**
(74)	**MAGDA & NADIA SHEHATA HAROUN**
(12)	**Patent**

(54) A PROCESS FOR SPINNING AND SPOOLING OF POLYESTER FILAMENTS, POLYESTER FILAMENTS

Patent Period Started in 03/11/2001 and Ends in 02/11/2021

(57) The present invention relates to a process for the production and for the spooling of preoriented polyester filaments which consist of at least 90weight % in relation to the total weight of the polyester filament, of polybutylene terephthalate (PBT) and/or polytrimethylene terephthalate (PTMT). preferably of PTMT, which is characterized in that:

a) The spinning delay is set in the range of 70 to 500;
b) The filaments, immediately after exiting from the spinning nozzle, pass through a cooling delay zone from 30mm to 200mm in length;
c) The filaments are cooled of to below the solidification temperature;
d) The filaments are bundled at a distance of between 500mm and 2500mm from the lower side of the nozzle;
e) The tension of the thread in front of and behind the, removal galettes is set between 0.05 cN/dtex to 0.20 cN/dtex ;
f) The thread is spooled with a tension of the thread of between 0.025cN/dtex to 0.15cN/dtex;
g) The spooling speed is adjusted to between 2200m/min, and 3500m/min.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/10/2001** **1083/2001** **October 2003** **12/01/2004** **23029**

(51)	**Int. Cl.[7]** **C09K 3/14**
(71)	**1. ABDALLAH AHMED ABDALLAH (EGYPT)** **2.** **3.**
(72)	**1. ABDALLAH AHMED ABDALLAH** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) A POLISHING (POWDER) SUBSTANCE FOR MARBLE

Patent Period Started in 15/10/2001 and Ends in 14/10/2021

(57) " A polishing (powder) substance for marble:-

 It consists of a mixture of four substances :-

1- Oxalic Acid
2- Stearic Acid
3- Aluminium Acid
4- Vanilin for a good odour for the product

This mixture gives marble polishing, brightness & insulation against the hot dying substances. (e.g. tea & others) which may make a defect in marble. This mixture decreases the classical steps in industry, low cost.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/01/2002** **0017/2002** **October 2003** **14/01/2004** **23030**

(51)	**Int. Cl.[7] F01K 7/16**
(71)	**1. Prof. Dr. MAHMOUD GARIB DESSOUKY EL SHERBEENY (EGYPT)** **2. Prof. Dr. ALY AHMED MOUSTAFA KHATTAB. (EGYPT)** **3.**
(72)	**1. Prof. Dr. MAHMOUD GARIB DESSOUKY EL SHERBEENY** **2. Prof. Dr. ALY AHMED MOUSTAFA KHATTAB.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**MORE EFFICIENT COOLING TOWERS**
	Patent Period Started in 05/01/2002 and Ends in 04/01/2022

(57) In many industrial processing plants, cooling water is used in closed loop to minimize water consumption, but water has to be cooled in a cooling tower before recycling. Cooling towers utilize an atomization technique by using air stream opposing the flow of water to take out heat and vent the heated air into atmosphere.

The present conseptual design aims at increasing the cooling efficiency by atomizing the cooling water in metallic pipes by using opposing stream of cool air.

Simultaneously the metallic pipes are cooled by another external stream of air crossing the pipe section of the tower. This dual cooling process increase the cooling efficiency and hence reduce the volume of the required water and the size of the cooling tower.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/05/2000** **0694/2000** **September 2003** **17/01/2004** **23031**

(51)	**Int. Cl.[7]** **A61M 25/00 & A61L 2/18**
(71)	**1. Dr. MOHAMED KALED MOHAMED ABDEL MOTY EL-HATW (EGYPT)** **2.** **3.**
(72)	**1. Dr. MOHAMED KALED MOHAMED ABDEL MOTY EL-HATW** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**TWO COVERS ONE FOR THE OPENING OF THE CANULA AND VASCULAR CATHETERS AND THE OTHER FOR THE ENTERY BODY**
	Patent Period Started in 29/05/2000 and Ends in 28/05/2020

(57) Two separate products with two separate covers allow use of one or both products once, without the first is a cover to the opening of the canula or the Vascular Catheter supplied with a lock and a Plastic Knob as usual with a plastic wire protruding from it to complete closure of the cavity. Both Kuab wire are loved with a gel to which an antibiotic can be added. The second is a cover to the body of the entrance of the canula or the Vascular catheter, cylindrical in the from of two wings when approximated for a cylinder with a lock to fix the wings and a knob to fix with the cover of the opening.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/05/2000** **0695/2000** **September 2003** **17/01/2004** **23032**

(51)	**Int. Cl.[7] A61M 3/00 , 5/00**
(71)	**1. MOHAMED KHALED MOHAMED ABDEL MOTY EL HATW (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED KHALED MOHAMED ABDEL MOTY EL HATW** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**patent**

(54)	**SELF- FLUSHING SYRINGE CONTAINING A PHYSIOLOGICAL SOLUTION TO COMPLETE THE DOSE**
	Patent Period Started in 29/05/2000 and Ends in 28/05/2020

(57) A syringe supplied with an internal tank containing physiological saline or distilled water designed so that the tank opens at the end of injection to flush The residual medication at The tip of The syringe plastic canula on metal needle .

The syringe is designed in 3 models The cylindrical model (A) where The stopper opens to evacuate its contents The cone model (B) where The walls of The Tank collapses to blow out The stopper and The bubble model (C) where The Tank tear at end of injection of the medication.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/11/1999** **1493/1999** **October 2003** **17/01/2004** **23033**

(51)	**Int. Cl.[7] G01T 1/00**
(71)	**1. MOHAMED KHALED MOHAMED ABDEL MOTY EL HATW (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED KHALED MOHAMED ABDEL MOTY EL HATW** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**patent**

(54)	**SCALE FOR X RAY DOSE AND TISSUE RADIOLUCENCY**
	Patent Period Started in 22/11/1999 and Ends in 21/11/2019

(57) A scale for evaluation of the degree of exposure of the X-ray film to the radiation and for radiolucency of different tissues formed of 3 adhesive tapes the first is raidioopaque. The Second is divided into portions of increasing opacity ranging from transparent (Zero) to black , and the third tape is divided into portions of decreasing radioopacity , the third tabe is fixed on the film adjacent and pararell to the second and the first fixed on the second. After use we compare the color of third tape area with the second tape and the apacity of tissues with the third tape .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/04/2000** **0539/2000** **October 2003** **19/01/2004** **23034**

(51)	**Int. Cl.[7] F02M 27/04,25/10 & F02B 51/04**
(71)	**1. ABDEL HAMID ALY MAHMOD SHARAF (EGYPT)** **2.** **3.**
(72)	**1. ABDEL HAMID ALY MAHMOD SHARAF** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**patent**

(54) ELECTRONIC FUEL BURNING ENHANCER FOR LESSINING CONSUMPTION AND ENVIROMENT POLUTION

Patent Period Started in 26/04/2000 and Ends in 25/04/2020

(57) The device consists of four parts. Power supply unit- pulse OscillatorO/P & Amp unit- Special Conductors The device weight for benzene conditioning is 500 grams and supplied by 12v-D-C & that for delesl oil weights 1000 grams and supplied by 220 V.A.C. The idea of device aims to improve burning process it self by subjecting fuel going to be burnt to an electric field generated by the device E.F.B.E this field affects molecular bonds of fuel which lessens surface tension and increases area of fuel molecules insuring better conbusion and less exhaust harmful - contents of carbon - monoxide CO & hydrocarbons HC. Many lab & field tests were carried that assure device effectiveeness.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/05/2001** **0536/2001** **OCTOBER 2003** **24/01/2004** **23035**

(51)	**Int. Cl.[7] C04B 41/86 & F27D 1/16 & C10B 43/14**
(71)	**1. GLAVERBEL (BELGIUM)** **2.** **3.**
(72)	**1. MARC VAN DEN NESTE** **2. JEAN-PIERRE ROBERT** **3. LAURENT DELMOTTE**
(73)	**1. FOSBEL INTELLECTUAL AG (SWITZERLAND)** **2.**
(30)	**1. 00201815,8 - 24/05/2000 EP** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**patent**

(54) PROCESS FOR FORMING A VITREOUS LAYER ON A REFRACTORY SURFACE

Patent Period Started in 22/05/2001 and Ends in 21/05/2021

(57) The present invention relates to a process for forming a vitreous on a refractory surface , in which a vitrifying agent is projected by means of an apparatus against the said surface with an oxygen containing carrier gas and simultaneously with a combustible gas, the latter generating a combustion flame, characterized in that the vitrifying agent comprises particles of cullet and in that the flame generated provides, at least partially, the heat needed to form the vitreous layer on the surface.

The vitreous layer thus formed makes it possible to prevent the build-up , on the refractory walls of high-temperature ovens, of dust or by- products coming from the raw materials and/or their reaction products.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/02/2002** **0149/2002** **October 2003** **24/01/2004** **23036**

(51)	**Int. Cl.[7] A01N 43/36 & C07D 207/34**
(71)	**1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND)** **2.** **3.**
(72)	**1. HARALD WALTER** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 0103258,0 - 09/02/2001 GB** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**patent**

(54) NOVEL PYRROLECARBOXAMIDES

Patent Period Started in 05/02/2002 and Ends in 04/02/2022

(57) The invention concns novel pyrrolecarboxamide of formula I

Wherein
R_1 is CF_3 , CF_2H or CFH_2
R_2 is hydrogen or fluoro;
R_3 is hydrogen or fluoro ; and
R_4 is hydrogen, fluoro , chloro , bromo , methyl , CF_3 , OCF_3 or SCF_3 .

The compounds of formula I have plant - protective properties and are suitable for protecting plants against infestations by phytopathogenic microorganisms.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/02/2002** **0150/2002** **October 2003** **24/01/2004** **23037**

(51)	**Int. Cl.[7] A41C 3/00**
(71)	**1. PLAYTEX APPAREL INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. GLORIA FALLA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 09/777,801 - 06/02/2001 US** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**patent**

(54)	**UNDERGARMENT MADE FROM MULTI- LAYERED FABRIC LAMINATE MATERIAL**
	Patent Period Started in 05/02/2002 and Ends in 04/02/2022

(57) Feminine undergarments , particularly brassieres and other body shaping garments that are fabricated using a mults-layered fabric laminate that is formed by gluing. multiple fabric layers together , preferably to permit body shaping garments to be substantially fabricated from a single main piece of material or blank cut from the multi - layered fabric laminare and which has finished edges which do not require separate binding or narrow edge finishing , together with a method of making such garments , both on an individual , batch basis , as well as an auromated process for making the fabric laminate and multiple garments on a continous basis , are disclosed. Mnlti-layer composite fabric laminate materials wherein different portions of at least one fabric layer thereof are made of different fabrics , and a method for making them , are also disclosed.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/02/2002** **0164/2002** **October 2003** **24/01/2004** **23038**

(51)	**Int. Cl.[7] G11D 17/00 , 3/12,3/50 & B01J 2/00**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JITEN O. DIHORA** **2. JOSE M. MENDOSA** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. 60/268,095 - 12/02/2001 US** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**patent**

(54) DELIVERY SYSTEM HAVING ENCAPSULATED POROUS CARRIER LOADED WITH ADDITIVES

Patent Period Started in 11/02/2002 and Ends in 10/02/2022

(57) The present invention relates to a delivery system for additives , which are incorporated in a variety of consumer products, including detergents and cleaning compositions , room deodorizers , insecticidal compositions, carpet cleaners and deodorizers , wherein the additive is protected from release until exposed to a wet or moist enviroment. Specifically , the present additive delivery system is a particle comprising a core of porous carrier material containing an additive , such as a perfume , in its pores ; and a coating of a water-soluble or water - dispersible , but oil - insoluble , material , such as starch or modified starch , encapsulating the core. The present delivery particle can be used to deliver laundry and cleaning agents either to or through the wash cycle A laundry additive delivery particle according to the present invention effectively delivers perfume ingredients through the wash to a fabric surface.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/06/2001** **0612/2001** **October 2003** **24/01/2004** **23039**

(51)	**Int. Cl.[7] F25J 1/02**
(71)	**1. BLACK & VEATCH PRITCHARD INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. SHAWN D. HOFFART** **2. BRIAN C. PRICE** **3.**
(73)	**1.** **2.**
(30)	**1. 09/591654 - 09/06/2000 US** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**patent**

(54) IMPROVED CLOSED LOOP SINGLE MIXED REFRIGERANT PROCESS

Patent Period Started in 06/06/2001and Ends in 05/06/2021

(57) A closed loop single mixed refrigerant process and system wherein the process efficiency is increased by increasing the temperature of liquefied material produced in a heat exchange refrigeration zone and thereafter cooling the liquefied material by flashing a portion of the liquefied material to produce a cooler liquefied material and a flash gas a portion of which is recycled to the heat exchange refrigerator. The process and system provide increased process efficiency and flexibility.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/08/2001** **0860/2001** **October 2003** **24/01/2004** **23040**

(51)	**Int. Cl.[7] E21B 37/106**
(71)	**1. SOFITECH NV (BELGIUM)** **2.** **3.**
(72)	**1. GARY J. TUSTIN** **2. PHILIP FLETCHER** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. 0019380,5 - 07/08/2000 GB** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**patent**

(54)	**SCALE DISSOLVER FLUID**
	Patent Period Started in 06/08/2001and Ends in 05/08/2021

(57) A scale dissolver fluid for dissolving scale in a subterranean hydrocarbon - bearing formation comprises an effective amount of a scale dissolver formulation and an effective amount of a surfactant for controlling the viscosity of the fluid. In use, formation hydrocarbons act on the surfactant to reduce the viscosity of the fluid so that the fluid selectively invades a hydrocarbon - bearing zone of the formation .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/12/2001** **1337/2001** **October2003** **24/01/2004** **23041**

(51)	**Int. Cl.[7] C08J 5/18 & C08L 23/14**
(71)	**1. BASELL TECHNOLOGY COMPANY BV (NETHERLANDS)** **2.** **3.**
(72)	**1. ANTEO PELLICONI** **2. ANGELO LONARDO** **3. GABRIELE MEI**
(73)	**1.** **2.**
(30)	**1. 00204740,5 - 22/12/2000 EP** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**patent**

(54)	**BIORIENTED POLYPROPYLENE FILMS**
	Patent Period Started in 12/12/2001 and Ends in 11/12/2021

(57) Bioriented polypropylene films (BOPP) wherein at least one layer comprises a propylene polymer containing at least 0.8% by weight of ethylene and optionally one or more C_4 -C_{10} α olefins , or propylene polymer composition containing at least 0.8% by weight of one or more comonomers selected from ethylene and C_4 -C_{10} α olefines , and having the following features ;

1) a melting temperature of 155 ^{0} C or higher ;
2) a content of fraction soluble in xylene at room temperture lower than 3% by weight , and a value of the ratio of the polymer fraction collected at the temperature range from 25^0 C to 95 ^{0} C (by TREF) to the said xylene soluble fraction hugher than 8 .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/12/2001** **1288/2001** **October 2003** **24/01/2004** **23042**

(51)	**Int. Cl.[7]** **C10M 159/20 & F16L 15/04**
(71)	**1. SUMITOMO METAL INDUSTRIES LTD (JAPAN)** **2.** **3.**
(72)	**1. KUNIO GOTO** **2. SHIGEO NAGASAKU** **3. HIDEO YAMAMOTO**
(73)	**1. SUMITOMO METAL INDUSTRIES LTD (JAPAN)** **2. VALLOUREC MANNESMANN OIL & GAS FRANCE (FRANCE)**
(30)	**1. 368895 – 04/12/2000 JP** **2.** **3.**
(74)	**ASHRAF ABRAHIM ABDEL NABY - MARWA HAMED ABDEL MEGUID**
(12)	**patent**

(54)	**LUBRICATING COATING COMPOSITION SUITABLE FOR LUBRICATION OF A THREADED JOINT**
	Patent Period Started in 02/12/2001and Ends in 01/12/2021

(57) This invention relates to a lubricating coating composition suitable for lubrication of a threaded joint for metal pipes and particularly oil well pipes , and to lubrication of a threaded joint using the composition . The lubricating coating composition according to this invention can impart adequate lubricity and rust preventing properties to a threaded joint for an oil well pipe without the need to apply a lubricating grease.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/09/2001** **1032/2001** **October 2003** **25/01/2004** **23043**

(51)	**Int. Cl.[7]** **F25J 3/02**
(71)	**1. ELCOR COOPERATION (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. HANK M.HUDSON** **2. JOHN D.WILKINSON** **3. MICHAEL C.PIERCE**
(73)	**1. ELKCORP (UNITED STATES OF AMERICA)** **2.**
(30)	**1. 09/677,220 – 02/10/2000 US** **2.** **3.**
(74)	**GEORGE AZZIZ ABDEL MALEK**
(12)	**Patent**

(54) HYDROCARBON GAS PROCESSING

Patent Period Started in 30/09/2001 and Ends in 29/09/2021

(57) A process for the recovery of ethane, ethylene, propane, propylene and heavier hydrocarbon components from a hydrocarbon gas stream is disclosed. In recent years, the preferred method of separating a hydrocarbon gas stream generally includes supplying at least portions of the gas stream to a fractionation tower having at least one reboiler, and often one or more side reboilers, to supply heat to the column by withdrawing and heating some of the tower liquids to produce tripping vapor that separate the more volatile components from the desired components. The reboiler and side reboilers (if any) are typically integrated into the feed stream cooling scheme to provide at least a portion of the refrigeration needed to condense the desired components for subsequent fractionation in the distillation column. In the process disclosed, the tower reboiling scheme is modified to use one or more tower liquid distillation streams from a point higher in the column than is used in the conventional reboiling scheme, providing colder stream (s) for the reboiler (s) that allow more effective cooling of the feed sterams and thereby improve the efficiency with which the desired components are recovered. In addition, the tower liquid streams withdrawn from a higher point in the column contain larger quantities of the more volatile components, which when vaporized provide better stripping of undesirable components like carnon dioxide without reducing the recovery of the desired components. The heated distillation stream is returned to a lower poin on the fractionation tower that is separated from the withdrawal point by at least one theoretical stage.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/05/1999** **0594/1999** **October 2003** **26/01/2004** **23044**

(51)	**Int. Cl.[7]** **F27B 9/16,9/10**
(71)	**1. Dr. SALAH ELDIN MOHAMMED ALI GAHIN** **2.** **3.**
(72)	**1. Dr. SALAH ELDIN MOHAMMED ALI GAHIN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**A METHOD ACCOMPANIED WITH PROCESSES FOR DEVELOPING BRICK FIRING KILNS**
	Patent Period Started in 23/05/1999 and Ends in 22/05/2019

(57) A method accompanied with processes for developing brick firing kilns to protect the environment against pollutants emitting from these kilns, or similar pollutants emitting from any other source, reclaiming sulphur oxides emitting from these kilns ad utilizing them economically, improving the performance of these kilns, Adequate Atomization of Mazot, Drawing initial combustion Air directly from atmosphere, thorough mixing of mazot with combustion air combustion spaces, Ascertainment of feeding enough mazot to combustion spaces and burning it to complete combustion to generate enough heat at suitable temperatures for firing the bricks (Around 900 C) and raising the temperature of bricks in the in the preheating zone to around 550 C and raising the temperature of bricks in the smoking zone to 180 C or more , and supplying heat drying bricks before being charged into the kiln controlling the process of cooling the fired bricks to assure very low rate of cooling, particularly in the quartz inversion range, reclaiming sulpher oxides and utilizing them economically, utilizing waste heat carried by firing products, employing some industrial means for extracting firing products from the kiln and pushing them into the chimney, drying green bricks to the technically recommended standards before charging them into the kiln.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/07/2001** **0713/2001** **October 2003** **26/01/2004** **23045**

(51)	**Int. Cl.[7]** **C12Q 1/04**
(71)	**1. CENTRO NACIONAL DE BIOPREPARADOS (CUBA)** **2.** **3.**
(72)	**1. ANA TSORAEVA** **2. CLAUDIO R.MARTINEZ** **3. VIVIAN DE JESUS Q.MUNIZ**
(73)	**1.** **2.**
(30)	**1. (CU 160/2000) – 29/06/2000 CU** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) NUTRIENT MIXTURE AND PROCEDURE FOR IDENTIFICATION AND EARLY COUNT OF GRAM-NEGATIVE ORGANISMS

Patent Period Started in 01/07/2001 and Ends in 30/06/2021

(57) The present invention is related with Microbiology and particularly with a nutrient mixture and a procedure for the identification and the early count of Gram-negative organisms. This mixture allows the development of five different colony colors in the organisms to be detected, and the appearance of three colored fluorescent emissions, the appearance of three different colors halos and zones with opaque precipitates surrounding such colonies. Those factors, together with the color changes in the medium, allow a differentiation with a high sensibility and specificity level.

The mixture include specific relations of the mixtures of tryptophan rich protein fractions, free trytophan, organic or inorganic salts, color or fluorescence providing substances, cellulose and hemi cellulose and other components which provide from 1 to 2 layers in the composition .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/05/2001** **0465/2001** **October 2003** **26/01/2004** **23046**

(51)	**Int. Cl.[7]** **B01D 1/14,3/06,5/00**
(71)	**1. AIBERTA ENERGY COMPANY LTD (CANADA)** **2. AQUA-PURE VENTURES INC (CANADA)** **3.**
(72)	**1. STEVE KRESNYAK** **2. ALEX BRAUN** **3.**
(73)	**1.** **2.**
(30)	**1. 2,305,118 – 03/05/2000 CA** **2. 9/577,822 – 25/05/2000 US** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**WATER TREATMENT PROCESS FOR THERMAL HEAVY OIL RECOVERY**
	Patent Period Started in 05/05/2001 and Ends in 04/05/2021

(57) There is disclosed a method and apparatus for treating produced water from a heavy oil thermal recovery unit to achieve water recovery and recycle levels of greater than 80% and as high as 100% to achieve zero discharge criteria. The method includes the initial steps of capturing the waste heat energy from the high pressure steam separator located downstream of the steam generators. Further, transferring the heat energy into a heated separator and reboiler exchanger to distill oil reservoir produced water and recover distilled water and a concentrated brine or solid product. The heated separator concentrated stream is circulated through the reboiler exchanger to maintain from 1% to about 50% mass vapour in the stream returning to the heated separator and prevent fouling and scaling. A further embodiment unifies the antifiouling methodology with SAGD type heavy oil recovery . In another embodiment, a crystallize is augmented to the circuit for further advatages.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/10/2001** **1044/2001** **October 2003** **26/01/2004** **23047**

(51)	**Int. Cl.**[7] **E04H 1/14**
(71)	**1. REMKOR TOOLS CC (REPUBLIC OF SOUTH AFRICA)** **2.** **3.**
(72)	**1. ANTONINO L.MONICA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 2000/5408 – 04/10/2000 ZA** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) A BOOTH FOR A TELECOMMUNICATION UNIT

Patent Period Started in 03/10/2001 and Ends in 02/10/2021

(57) This invention relates to a telephone booth assembly which includes a booth for housing a telecommunication unit and a user of the unit, and a solar panel mounted on the booth, the solar panel being permanently attached to the upper surface a roof of the booth such that removal of the panel from the roof will cause damage to, or destruction of, the solar panel. Preferably, the panel is adhesively secured to the booth by means of a chemical adhesive provided between the panel and the upper surface of the roof of the booth. The invention extends to a method of attaching the solar panel to the booth, the method including the step of permanently attaching the solar panel to the upper surface of a roof of the booth such that removal of the panel from the roof will cause damage to the panel.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/1/2002** **0042/2002** **October 2003** **26/01/2004** **23048**

(51)	**Int. Cl.**[7] **E21B 47/06,49/10**
(71)	**1. SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ BV (NETHERLANDS)** **2.** **3.**
(72)	**1. MOHAMED N. HASHEM** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 01200179,8- 18/01/2001 EP** **2. 60/302,982 – 03/07/2001 US** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) MEASURING THE IN SITU STATIC FORMATION TEMPERATURE

Patent Period Started in 14/01/2002 and Ends in 13/01/2022

(57) Measuring the in situ static temperature of a formation traversed by a borehole comprising lowering to a predetermined position in the borehole a tool that comprises a central conduit having an inlet and being provided with a temperature sensor in contact with the fluid, means for analysing the fluid, and means for discharging fluid; allowing only formation fluid to pass through the central conduit; analysing the formation fluid; and measuring the temperature when the formation fluid is substantially uncontaminated .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/12/2001** **1373/2001** **October 2003** **26/01/2004** **23049**

(51)	**Int. Cl.**[7] **C10L 3/10**
(71)	**1. DYNEA ASA (NORWAY)** **2. STATOIL ASA(NORWAY)** **3.**
(72)	**1. HUBERN L.SMITH** **2. ANNE F.JOHNSEN** **3. BORRE L.KNUDSEN**
(73)	**1.** **2.**
(30)	**1. 0031710,7 – 27/12/2000 GB** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESS FOR THE REDUCTION OF ELIMINATION OF HYDROGEN SULPHIDE

Patent Period Started in 26/12/2001 and Ends in 25/12/2021

(57) The invention provides a process for reducing the level of hydrogen sulphide in a liquid or gas by treatment of the liquid or gas with an H_2S-scavenger product derivable by the reaction of a carbonyl group-containing compound with an alcohol, thiol ,amide, thioamide, urea or thiourea. The carbonyl group-containing compound is preferably formaldehyde, and preferably the product is derivable by reaction of formaldehyde with an amine-free alcohol or urea selected from ethylene glycol, propylene glycol,glycerol, diethylene glycol, triethylene glycol, ethyl alcohol, n-butanol, a sugar, a low molecular weight polyvinyl alcohol, castor oil fatty acid and urea. More especially, the scavenger product is used with an amine, especially monethanolamine.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/03/2002** **0288/2002** **October 2003** **26/01/2004** **23050**

(51)	**Int. Cl.**[7] **A47C 17/16**
(71)	**1. OLE WIBERG (DENMARK)** **2.** **3.**
(72)	**1. OLE WIBERG** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (A 441/2001) – 20/03/2001 AT** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) SEATING FURNITURE ALLOWING CONVERSION INTO A BED

Patent Period Started in 20/03/2002 and Ends in 19/03/2022

(57) On seating furniture allowing conversion into a bed, the back rest can be swung into the plane of the seating surface with the aid of arms whereby arms at one end are connected by a pivot joint to a seating frame and at the other end to the back rest .

In the seating position of the piece of furniture, the seating surface is covered with a loose upholstery fabric which at one side is attached to the front underside of the seating frame and, at the other side, to the underside of the back rest. On the underside of the upholstery fabric, a double layer of drill material is located which extends across the seating surface only, which is preferably joined together with wadding and which is attached to the front end of the seating surface .

Thus, a simpler method is provided for placing drill material onto furniture.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/05/2002** **0491/2002** **October 2003** **26/01/2004** **23051**

(51)	**Int. Cl.**[7] **F25B 47/02**
(71)	**1. ALAN W.BAGLEY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ALAN W.BAGLEY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 09/859,829-16/05/2001 - US** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DEVICE AND METHOD FOR OPERATING A REFRIGERATION CYCLE WITHOUT EVAPORATOR ICING

Patent Period Started in 14/05/2002 and Ends in 13/05/2022

(57) The present invention relates to a device and method for operating a refrigeration cycle without icing of the evaporator component of the device.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/07/2000** **0921/2000** **August 2003** **27/01/2004** **23052**

(51)	**Int. Cl.[7]** **F23L 15/00**
(71)	**1. FOSTER WHEELER ENERGY LTD (UNITED KINGDOM)** **2.** **3.**
(72)	**1. GARY PROSSER** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. 9917010,2 – 22/07/1999 - GB** **2.** **3.**
(74)	**MONA MOHAMED BAKIR**
(12)	**Patent**

(54) AIR PREHEATER FOR FIRED PROCESS HEATER

Patent Period Started in 17/07/2000 and Ends in 16/07/2020

A fired process heater having a number of natural draught burners or banks of burners, and a plurality of air heat exchangers for preheating the combustion air, each individual heat exchanger being connected to one or a small group of burners by a relatively short duct that the natural draught of the burners is greater than frictional losses in the supply of the preheated air.

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology
Technology Development and Scientific Services Sector

PATENTS' ABSTRACTS

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(51)	**Int. Cl.^{7} A01N 25/18 & A01M 1/20 & A61L 9/02 & C09K 3/00**
(71)	**1. FUMAKILLA LIMITED (JAPAN)** **2.** **3.**
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(73)	**1.** **2.**
(30)	**1. (JP) 020007/2001 – 29/01/2001 & 020460/2001 – 29/01/2001 & 199091/2001 – 29/06/2001** **2.** **3.**
(74)	**ENG. YASSER FAROUK MOUBARAK**
(12)	**Patent**

(54) WHOLE HEATED, CHEMICAL CONTAINING BODY, CHEMICAL CONTAINING BODY RETAINING RECEPTACLE, CHEMICAL HEATING, VOLATILIZING APPARATUS AND INDICATOR FOR A HEAT VOLATILIZING CHEMICAL

Patent Period Started in 10/11/2001 and Ends in 09/11/2021

(57) Disclosed are a chemical carrier body capable of volatilizing a chemical stably for an extended period of time, a receptacle for retaining the chemical carrier body, an indicator adapted for displaying a degree of consumption of a chemical contained in the chemical carrier body, and a chemical heating, volatilizing apparatus adapted for heating the chemical carrier body .

The chemical carrier body is smaller in plane size than the heat releasing surface of a heater element used and has a thickness of 3 mm or more, and its percentage loss of heat L derived from its heating temperature h and its lowest temperature t by the formula : $L = \{(h – t) / h \} X 100$ is 70 % or less .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/01/2002** **0068/2002** **October 2003** **07/02/2004** **23054**

(51)	**Int. Cl.[7] C07D 471/04,491/20 & A61K 31/4985 & A61P 29/00**
(71)	**1. SANKYO COMPANY LTD (JAPAN)** **2.** **3.**
(72)	**1. TOMIO KIMURA** **2. NOBUYUKI OHKAWA** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. (JP) 2001/013817 – 22/01/2001** **2. (US) 60/275,005 – 12/03/2001** **3.**
(74)	**ASHRAF IBRAHIM ABDEL NABY & MARWA HAMED ABDEL MEGUID**
(12)	**Patent**

(54) PYRROLE DERIVATIVES, THEIR PREPARATION AND THEIR THERAPEUTIC USES

Patent Period Started in 20/01/2002 and Ends in 19/01/2022

(57) A process is provided giving compounds of formula :

wherein A is a pyrrole ring, R^1 is an optionally substituted aryl or heteroaryl group; R^2 is a optionally substituted nitrogen – containing heteroaryl group; and R^3 is (IIa), (IIb) or (IIc) :

Wherein m is 1 or 2, one of D and E is nitrogen and the other is >C (R^5)- (wherein R5 is hydrogen, a Substituent α or a Substituent ß), B is a nitrogen- containing 4- to 7 – membered heterocyclic ring, and R^4 is from 1 to 3 substituents from Substituent group α Substituent group β and substituents group γ; Provided that R^1 and R^3 are bonded to the two atoms of said pyrrole ring which are adjacent to the atom of the pyrrole ring to which said substituent R^2 is bonded ;

Substituent group α consists of hydroxyl, nitro, cyano, halogen, alkoxy, halogeno alkoxy, alkylthio and halogeno alkylthio groups and groups of formula NR^sR^b (wherein R^s and R^b are hydrogen, alkyl, alkenyl, alkynyl, aralkyl and alkylsurfonyl, or R^a and R^b, taken together with the nitrogen atom to which they are attached, form a heterocyclyl);

Substituent group β consists of optionally substituted alkyl, and alkenyl group, and aralkyl and cycloalkyl groups;

Substituent group γ consists of oxo, hydroximino, alkoxyimino, alkylene, a lkylenedioxy, alkylsulfinyl, alkylsulfonyl, optionally substituted aryl, optionally substituted aryloxy, alkylidenyl and aralkylidenyl groups) ; said compounds have excellent activity against the production of inflammatory cytokines.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/12/2001** **1340/2001** **September 2003** **07/02/2004** **23055**

(51)	**Int. Cl.^{7} F25J 3/02**
(71)	**1. TECHINP – COFLEXIP (FRANCE)** **2.** **3.**
(72)	**1. HENRI PARADWSK** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 0016238 – 13/12/2000** **2.** **3.**
(74)	**ASHRAF IBRAHIM ABDEL NABY**
(12)	**Patent**

(54) PROCESS AND INSTALLATION FOR SEPARATION OF A GASEOUS MIXTURE CONTAINING METHANE BY DISTILLATION AND GASES OBTAINED BY THIS SEPARATION

Patent Period Started in 12/12/2001 and Ends in 11/12/2021

(57) Method and installation for separation of a gaseous mixture and gases obtained by this installation. The present invention concerns a process and an installation for the cryogenic separation of the constituent of a natural gas under pressure by a first separator of phases wherein the constituent of each of the phases are separated in a distillation column . Part of the gaseous fraction from the head of the column is recycled to the last stage of the latter. The process comprisses in addition the diversion of part of a first head fraction from the first phase separator. Moreover the process comprises the separation of a first foot fraction from the first separator, in a second separator. Other embodiments are also described .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/02/002** **0222/2002** **October 2003** **09/02/2004** **23056**

(51)	**Int. Cl.^{7} A61L 1/302**
(71)	**1. DR. AMAL MOHAMED ZAKARIA EL ANSARY (KUAIT)** **2.** **3.**
(72)	**1. DR. AMAL MOHAMED ZAKARIA EL ANSARY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MOHSEN ISMAIL HANAFY**
(12)	**Patent**

(54)	**A WAY OF PREPARING NEW CONTRACEPTION BILLS BY ADDING FOLIC ACID AND E VITAMIN**
	Patent Period Started in 27/02/2002 and Ends in 26/02/2022

(57) A way of preparing new contraception bills by adding folic acid (200 mmg) and E vitamin (200 mmg) to the contraception bills as the contraception bills undoubtedly damage and reduce polic acid and E vitamin the reduction of folic acid affects the production of hereditary component due to the effect of this acid on the genes

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/05/2001** **0458/2001** **November 2003** **14/02/2004** **23057**

(51)	**Int. Cl.[7] C12N 5/04**
(71)	**1. ACADEMY OF SCIENTIFIC RESEARCH & TECHNOLOGY (EGYPT)** **2. NATIONAL RESEARCH CENTER (EGYPT)** **3.**
(72)	**1. PROF. DR. MEDHAT MAHROUSE SEIF EL NASR** **2. PROF. DR. MOHAMED KAMAL EL BAHR** **3. PROF. DR. MOHAMED SAFWAT ABDEL SALAM MOHAMED**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) METHOD FOR THE PRODUCTION OF TROPANE ALKALOIDS THROUGH TISSUE CULTURE OF SOME EGYPTIAN SOLANACEOUS PLANTS

Patent Period Started in 02/05/2001 and Ends in 01/05/2021

(57) The present invention related to a new method for the production of tropane alkaloids using plant cell and tissue culture techniques from Egyptian plants : Dature, Hyoscyamus and Atropan which are belonging to family solanaceae. In that method different media consituents were used. A higher percent of tropane alkaloids was reached in those cell and tissue cultures more than that in the intact plants. The procedure include an improved method for the extraction and preparation of the tropane alkaloids.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/02/2002** **0154/2002** **October 2003** **14/02/2004** **23058**

(51)	**Int. Cl.[7] H02B 1/50**
(71)	**1. KRONE GMBH (GERMANY)** **2.** **3.**
(72)	**1. GUNTER IRMER** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 10105993 – 09/02/2001** **2.** **3.**
(74)	**SOHEIR , SAMIA , SALWA MIKHAEL RIZK**
(12)	**Patent**

(54) CONSTRUCTION KIT AND METHOD FOR CREATING AN ELECTRICAL CABINET FOR OUTDOOR USE

Patent Period Started in 06/02/2002 and Ends in 05/02/2022

(57) Since electrical cabinets, for telecommunication systems for example, have to be fastened on base boxes which are of different sizes and rise up to different heights above the surface of the ground, the invention proposes a construction kit, from the parts of which the desired variant of the electrical cabinet can be put together.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/08/2001** **0934/2001** **October 2003** **14/02/2004** **23059**

(51)	**Int. Cl.[7] B01J 19/24**
(71)	**1. DEGUSSA AG (GERMANY)** **2.** **3.**
(72)	**1. RUDIGER SCHUTTE** **2. TORSTEN BALDUF** **3. OTHERS**
(73)	**1. DEGUSSA AG (GERMANY)** **2. UHDE GMBH (GERMANY)**
(30)	**1. (DE) 10042746,4 – 31/08/2000** **2.** **3.**
(74)	**SOHEIR MIKHAEL RIZK**
(12)	**Patent**

(54) PROCESS AND DEVICE FOR CARRYING OUT REACTIONS IN A REACTOR WITH SLOT – SHAPED REACTIONS SPACES

Patent Period Started in 29/08/2001 and Ends in 28/08/2021

(57) Fluid reactants are reacted in a reactor comprising wall elements, slot – shaped reaction spaces and cavities for a fluid heat – carrier. A modular structural design comprises wall elements assembled in a right – parallelepipedal block, and reaction spaces between lateral surfaces of wall elements . Reactants are introduced from edge regions of one side of the block and are conducted through the reaction spaces in parallel flows and the heat – carrier is conducted through the tubular cavities in the wall elements .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/07/2002** **0784/2002** **November 2003** **14/02/2004** **23060**

(51)	**Int. Cl.[7] F04B 17/00**
(71)	**1. DR. MOHAMED AHMED EL GAMIL AHMED (EGYPT)** **2.** **3.**
(72)	**1. DR. MOHAMED AHMED EL GAMIL AHMED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MOHAMED MOHAMED BAKIR**
(12)	**Patent**

(54) POSITIVE DISPLACEMENT PUMP AND MOTOR WITH MULTI – RISE ROTATING CAM AND SEVERAL FOLLOWERS

Patent Period Started in 08/07/2002 and Ends in 07/07/2022

(57) The invention is a positive displacement pump and/ or motors. The pump consists of a multi – rise rotating cam that pushes several followers. The followers are arranged in such a way that each rising follower pushes a falling one. The chamber volume confined between the cam rise, the follower and the side plates increases and decreases by the follower motion. Connecting the chamber to the suction and delivery lines by check valves enables the pump to convey the fluid between the two lines. The same configuration can be used as a motor, where the component could be designed to be a pump and / or a motor .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/11/2001** **1213/2001** **November 2003** **14/02/2004** **23061**

(51)	**Int. Cl.^{7} C09K 7/00**
(71)	**1. HERCULES INCORPORATED (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. HERBERT L. JUPPE** **2. ROBERT P.MARCHANT** **3. MOHAND MELBOUCI**
(73)	**1.** **2.**
(30)	**1. (US) 09/717884 – 21/11/2000** **2.** **3.**
(74)	**NAZIH AKHNOUK SADEK ELIAS**
(12)	**Patent**

(54) ENVIRONMENTALLY ACCEPTABLE FLUID POLYMER SUSPENSION FOR OIL FIELD SERVICES

Patent Period Started in 17/11/2001 and Ends in 16/11/2021

(57) This invention provides a water – free oil based fluid polymer suspension composition for use as a theology modifier and fluid loss reducer in oil or gas well servicing fluids. It has been found that by using white medicinal oil as a carrier, high solids content and environmental friendly anhydrous fluidized polymer suspensions of xanthan gum, cellulose ethers, guar gum and derivatives thereof can be prepared. More specifically, in one aspect, an oil – based fluid polymer suspension (FPS) composition for use in oil or gas well servicing fluids is preferred containing :

a) a hydrophilic polymer,
b) an organophilic clay,
c) a stabilizer, and
d) a white medicinal oil having selected properties

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/02/2000** **0249/2000** **September2003** **17/02/2004** **23062**

(51)	**Int. Cl.[7] B21C 23/00**
(71)	**1. ENG. MOHAMED MOHMOUD HAMDY MOSTAFA (EGYPT)** **2.** **3.**
(72)	**1. ENG.MOHAMED MOHMOUD HAMDY MOSTAFA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**patent**

(54) ROTARY HAMMER EXTRUSION

Patent Period Started in 29/2/2000 and Ends in 28/02/2020

(57) The die closes the container at one end , while the piston , conical in shape and its axis inclines to the container axis, advances from the other end. When the billet is subjected to a sudden blow from the piston due to the oscillatory motion, contact occurs between them over a small portion of the billet cross section, resulting in the extrusion of a small part of the billet. But the contact area moves over the whole cross section of the billet due to the angular or rocking motion, while the piston approaches the die by the linear motion, thus extrusion continues.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/11/1999** **1402/1999** **November2003** **17/02/2004** **23063**

(51)	**Int. Cl.[7] A61M 16/00 , 16/04**
(71)	**1. Dr. MOHAMMED KHALED MOHAMMED EL HATW (EGYPT)** **2.** **3.**
(72)	**1. Dr. MOHAMMED KHALED MOHAMMED EL HATW** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**patent**

(54)	**ENDOTRACHEAL TUBE INTRODUCER**
	Patent Period Started in 08/11/1999 and Ends in 07/11/2019

(57) This apparatus is formed of compressible handle formed of 3 successive boxes, the front one to fix endotracheal tube the midle for aeration and the book one for suction, from the handle appears a metal introducer with a plastic edge passing through the endotrached tube during use the apparatus strengthen the tube suck sections and aerate during introduction of the tube ; it is available in different introducer lengths, in a sterile from and can be used manually or by connection to oxygen and suction lines.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/09/2001** **0966/2001** **November2003** **22/02/2004** **23064**

(51)	**Int. Cl.[7] F25J 1/00**
(71)	**1. SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ BV (NETHERLANDS)** **2.** **3.**
(72)	**1. ALAN E. BLIAULT** **2. CASPER K. GROOTHUIS** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. (EP) 00307821,9 - 11/09/2000** **2.** **3.**
(74)	**SAMAR AHMAD EL LABBAD**
(12)	**patent**

(54) FLOATING PLANT FOR LIQUEFYING NATURAL GAS

Patent Period Started in 09/09/2001 and Ends in 08/09/2021

(57) A floating plant for liquefying natural gas comprising a barge provided with a liquefaction plant, means for receiving natural gas with means for storing and discharging liquefied natural gas , which liquefaction plant includes a heat exchanger in which heat removed when liquefying natural gas is transferred to water, which barge is further provided with a receptacle , an open-ended water intake conduit having an inlet , a connecting conduit extending from the outlet of the water intake conduit to the receptacle , a pump for transporting water from the receptacle to the heat exchanger and a water discharge system for discharging water removed from the heat exchanger , wherein the connecting conduit has the shape of an inverted 'U' of which the top is located above the receptacle.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/03/2002** **0264/2002** **November2003** **22/02/2004** **23065**

(51)	**Int. Cl.[7] C07C 273/04 & B01J 10/00 , 19/24**
(71)	**1. UREA CASALE SA (SWITZERLAND)** **2.** **3.**
(72)	**1. ERMANNO FILIPPI** **2. DOMENICO ROMITI** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 01106649,5 - 16/03/2001** **2.** **3.**
(74)	**SAMAR AHMAD EL LABBAD**
(12)	**patent**

(54) METHOD FOR THE PRODUCTION OF SYNTHESIS UREA

Patent Period Started in 12/03/2002 and Ends in 11/03/2022

(57) A method for the production of synthesis urea from liquid ammonia and gaseous carbon dioxide, comprising the step of feeding separate flows of a liquid ammonia and gaseous carbon dioxide in continuous to a substantially vertical or horizontal column syntheis reactor , is distinguished in that the feed of liquid ammonia is split up into at least two consecutive sections of said column.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/05/2002** **0538/2002** **November2003** **22/02/2004** **23066**

(51)	**Int. Cl.^{7} C08L 23/02 , 77/00**
(71)	**1. INEOS ACRYLICS UK LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. NICHOLAS J. MARSTON** **2. MARK DAVIES** **3. JOHN R. OLIVER**
(73)	**1.** **2.**
(30)	**1. (GB) 0125347,5 - 23/10/2001 & 0208361,6 - 11/04/2002** **2.** **3.**
(74)	**SAMAR AHMAD EL LABBAD**
(12)	**patent**

(54)	**POLYMERIC COMPOSITION**
	Patent Period Started in 21/05/2002 and Ends in20/05/2022

(57) A composition comprising a polymer selected from a polyolefin , a polyamide or mixtures thereof , in admixture with an acrylic polymer additive , wherein :

The extensional viscosity of the composition is greater than he extensional viscosity of the same composition not containing the acrylic polymer additive ; or , the shear viscosity of the composition is greater than the shear viscosity of the same composition not containing the acrylic polymer additive ; or ,

Both the extensional viscosity and the shear viscosity of the composition is greater than the extensional viscosity and shear viscosity , respectively of the same composition not containing the acrylic polymer additive ,

When measured at an identical applied specific shear rate in the range of 3000 s^{-1} to 500 s^{-1} under substantially the same conditions.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/06/2002** **0660/2002** **November2003** **22/02/2004** **23067**

(51)	**Int. Cl.[7] E21B 17/10**
(71)	**1. ENI SPA (ITALY)** **2.** **3.**
(72)	**1. ANGELO CALDERONI** **2. FABRIZIO ZAUSA** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**patent**

(54)	**METHOD FOR THE CENTRALIZATION OF CASINGS FOR LEAN PROFILE APPLICATIONS**
	Patent Period Started in 12/06/2002 and Ends in 11/06/2022

(57) Method for the centralization of drill casing for application of the lean profile type , both vertical and off – line , comprising the following operations :

- Application on the casing section in question , of an adherence strip equipped with on or more housings and rabid adjustable lever closure :
- Insertion of suitable moulds in the housing of which the strip is equipped :
- Injection into the moulds of plastic material characterizes by a high mechanical resistance , a high degree of surface adhesion and resistance to abrasion by friction and also in – place elasticity , higher than the elasticity of the casings:
- Removal of the adhesion strip once the hardening of the plastic material in the shape of the mould has been completed.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/10/1998** **1239/1998** **November2003** **28/02/2004** **23068**

(51)	**Int. Cl.[7] A01M 1/02 & A01N 43/40 , 43/56**
(71)	**1. RHONE POULENC AGRO –(FRANCE)** **2.** **3.**
(72)	**1. MARCELO OKAMURA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (BR) (PI 9705278.7) - 15/10/1997** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**patent**

(54) PESTICIDALE COMPOSITION

Patent Period Started in 13/10/1998 and Ends in12/10/2018

(57) A composition comprising a compound of formula :

R_1 is CN or methyl or halogen atom
R_2 is S $(O)_n$ R_3 or 4,5- dicyanoimidazol 2-yl or haloalkyl ;
R_3 is alkyl or haloalkyl ;
R_4 is selected from the group consisting of hydrogen , halogen,

- NR_5 R_6 ,
- - and –C(O) alkyl ;

R_5 and R_6 are independently selected from a hydrogen atom , alkyl , haloalkyl ,X is selected from nitrogen and – C-R_{12} ;
R11 and R12 are independently selected from halogen or hydrogen or CN or NO_2 ;
R13 is selected from halogen , haloalkl , haloalkoxy , -$S(O)_q$ CF_3 – SF_5 ;
M,n,q are independently selected from 0.1.and 2;

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/10/1999** **1285/1999** **November2003** **28/02/2004** **23069**

(51)	**Int. Cl.[7] A61J 1/00 & A 61K 31/55**
(71)	**1. BOEHRINGER INGELHEIM PHARMA KG (GERMANY)** **2.** **3.**
(72)	**1. DIETER HOCHRAINER** **2. BERND ZIERENBERG** **3.**
(73)	**1. BOEHRINGER INGELHEIM PHARMA KMBH & CO0 KG (GERMANY)** **2.**
(30)	**1. (DE) 19847968,9-17/10/1998 & 19847970,0 -17/10/1998** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**patent**

(54) CLOSURE CAP AN CONTAINER AS TWO-CHAMBER CARTRIDGE FOR NEBULIZERS FOR PRODUCING AEROSOLS AND ACTIVE SUBSTANCE FORMULATION SUITABLE FOR STORAGE

Patent Period Started in 14/10/1999 and Ends in 13/10/2019

(57) The invention relates to an apparatus comprising a closure-cap and a container in the form of a two-chamber cartridge in which an active ingredient and a solvent can be stored separately until the apparatus is used in a nebuliser, as well as an active substance concentrate in which the active substance is present as a solution or suspension for storage purposes.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/01/2000** **0018/2000** **November2003** **28/02/2004** **23070**

(51)	**Int. Cl.[7] A01N 37/18 & C07C 235/34 , 235/80 , 251/40**
(71)	**1. NOVARTIS AG (SWITZERLAND)** **2.** **3.**
(72)	**1. MARTIN ZELLER** **2. ANDRE JEANGUENAT** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. (GB) 9900455,8 -11/01/1999** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**patent**

(54) NOVEL PROPARGYLETHER DERIVATIVES

Patent Period Started in 11/01/2000 and Ends in 10/01/2020

(57) Propargylether derivatives of formula 1

Including the optical isomers thereof and mixtures of such isomers, wherein
R_1 is hydrogen , alkyl , cycloalkyl or optionally substituted aryl,
R_2 and R_3 are each independently hydrogen or alkyl ,
R_4 is alkyl , alkenyl or alkynyl ,
R_5 R_6 R_7 and R_8 are each independently hydrogen or alkyl and

R_{10} is optionally substituted aryl or optinally substituted heteroaryl ,
R_{11} is hydrogen - CR-R_{16} ,- $COOR_{16,}$ - CO-$COOR_{16}$ or $CONR_{16}$ $R_{17,}$
$R_{12\ is}$ hydrogen or alkyl , R_{14} is hydrogen , alkyl , cycloalkyl - alkyl ,
R_{13} is hydrogen or alkyl , R_{14} is hydrogen , alkyl , cycloalkyl - alkyl ,
R_{15} is alkyl , alkenyl , alkynyl , optionally substituted aryl or optionally substitited aryl- alkyl , and R_{16} and R_{17} are independently of each other hydrogen, optionally substituted arylalkyl, and R_{16} and R_{17} are independently of each other hydrogen , optionally substituted alkyl , optionally substituted cycloalkyl , optionally substituted aryl or optionally substituted heteroaryl , have been found to be useful for controlling or preventing the infestation of plants by phytopathogenic microorganisms , especially fungi .
The invention relates the novel compounds and also to the preparation thereof and to the use of the compounds for plant protection , and to compositions suitable for applying the novel compounds in agricultural techniques.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/06/2000** **0768/2000** **November 2003** **2--8/02/2004** **23071**

(51)	**Int. Cl.[7]** **C11D 3/37**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ALAN E.SHERRY** **2. ALEJANDRO CEDENO** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54)	**CLEANING COMPOSITIONS**
	Patent Period Started in 14/06/2000 and Ends in 13/06/2020

(57) The present invention relates to cleaning composition comprising a surface substantive polymer for cleaning surfaces, particularly the exterior surfaces of a vehicle.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/12/2001** **1367/2001** **November 2003** **28/02/2004** **23072**

(51)	**Int. Cl.[7]** **C11D 3/37, 1/62, 3/50, 3/33, 3/36**
(71)	**1. COLGATE PALMOLIVE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. DANIEL SMITH** **2. ISABELLE SALESSES** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. (US) 09/749,183-27/12/2000 & 10/006,337 – 03/12/2001** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54)	**THICKENED FABRIC CONDITIONERS**
	Patent Period Started in 25/12/2001 and Ends in 24/12/2021

(57) The present invention relates to thickened fabric conditioners, which fabric conditioners contain a particular polymeric thickener, which is obtained by polymerizing from 5 to 100 mole percent of a cationic vinyl addition monomer, from 0 to 95 mole percent of acrylamide, and from 70 to 300 ppm of a difunctional vinyl addition monomer cross-linking agent .As compared to such compositions comprising a similar product but obtained from a polymerization reaction using between 5 and 45 ppm cross-linking agent considerable advantages are obtained. Especially, the delivery of fragrance present in the softening composition is more efficiently carried over to the fabrics to be treated .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/12/2001** **1383/2001** **November 2003** **28/02/2004** **23073**

(51)	**Int. Cl.[7]** **B65B 3/32**
(71)	**1. SOCIETE DES PRODUITS NESTLE SA (SWITZERLAND)** **2.** **3.**
(72)	**1. ROBERT PETERMANN** **2. ALFRED MESSERLI** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) (01200007.1) – 04/01/2001** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) METHOD AND DEVICE FOR METERING COMPOSITE VISCOUS FOODSTUFFS

Patent Period Started in 31/12/2001 and Ends in 30/12/2021

(57) Method and device for the combined metering of at least two viscous foodstuffs of different natures into packaging containers, in which identical or different composite foodstuffs are metered simultaneously or sequentially into cavities, the said composite foodstuffs comprising determined quantities of at least two viscous foodstuffs co-metered separately into the cavities either concomitantly or sequentially, particularly coaxially, collaterally or in a superposed fashion, from one and the same supply of each of the said viscous foodstuffs.

The method and device allow flexible metering into pots of viscous composite foodstuffs, possibly containing bits .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/03/2002** **0281/2002** **November 2003** **28/02/2004** **23074**

(51)	**Int. Cl.[7] B66C 1/18**
(71)	**1. NORSK HYDRO ASA (NORWAY)** **2.** **3.**
(72)	**1. TOR KOKERSVOLD** **2. FREDDY THORBJORNSEN** **3. GEIR V. GUNDERSEN**
(73)	**1.** **2.**
(30)	**1. (NO) 20011445 – 21/03/2001** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54)	**MEANS FOR FORMING AND LIFTING PARCELS OF GOODS**
	Patent Period Started in 19/03/2002 and Ends in 18/03/2022

(57) Means for forming and lifting parcels comprising at least two stacks or units of goods comprising a lifting or a load carrying band that is arranged to surround the stacks in a manner where it follows the outer periphery of the stacks thus forming a parcel. A loop of the band is arranged to protrude upwards in an intermediate space between the stack to form a lifting eye above said stacks. The band has one or more reinforcements, symmetrically arranged with respect to the central longitudinal axis of the band, which implies that cross section dimensions can be reduced elsewhere in the band. Improved stability and reduced material consume may be achieved in accordance with the invention.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/12/2001** **1380/2001** **November 2003** **29/02/2004** **23075**

(51)	**Int. Cl.[7]** **C07C 67/08, 69/80 & C08G 63/183, 63/81, 63/85, 63/86**
(71)	**1. E.I. DU PONT DE NEMOURS AND COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JIWEN F. DUAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 09/795,278 – 28/02/2001** **2.** **3.**
(74)	**HODA ANIS SERAG ELDIN**
(12)	**Patent**

(54) COPOLYMER COMPRISING ISOPHTHALIC ACID

Patent Period Started in 31/12/2001 and Ends in 30/12/2021

(57) A substantially soluble solution of isophthalic acid in a glycol can be prepared and contacted with terephthalic acid, its ester, its oligomer, or combinations of two or more thereof. The solution can be used to incorporate isphthalic acid into polyester for bottle resins and fiber.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/10/2000** **1308/2000** **November 2003** **29/02/2004** **23076**

(51)	**Int. Cl.[7]** **A61F 13/15**
(71)	**1. KIMBERLY-CLARK WORLDWIDE INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JEFFREY D.LINDSAY** **2. FUNG-JOU CHEN** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. (US) 60/159,629 – 14/10/1999 & 09/684,039 – 06/10/2000** **2.** **3.**
(74)	**HODA ANIS SERAG ELDIN**
(12)	**Patent**

(54) METHOD OF MAKING MOLDED CELLULOSIC WEBS FOR USE IN ABSORBENT ARTICLES

Patent Period Started in 14/10/2000 and Ends in 13/10/2020

(57) Methods are disclosed for producing absorbent articles comprising molded airlaid webs and other molded fibrous webs. The molded webs can offer improved fit and/or improved fluid handling. Molded airlaid webs, for example, can be formed having a central longitudinal hump and flexure zones longitudinally removed from the central hump to provide good contact with the body and improved fit when the article is squeezed from the sides. Molding can be achieved when a binder material is activated by an energy source and the web is held against a molding substrate. Energy sources can include microwaves, heated air, heated metal surfaces, ultraviolet radiation, ultrasonic energy, and the like.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/07/2001** **0711/2001** **November 2003** **29/02/2004** **23077**

(51)	**Int. Cl.[7]** **C07C 51/265, 63/26**
(71)	**1. E.I. DU PONT DE NEMOURS AND COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JOHN A.TURNER** **2. SAMUEL D.HOUSLEY** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 09/757,458 – 10/01/2001 & 09/757,455 – 10/01/2001&** **2. (PCT/US 01/00825) –11/01/2001 & (PCT/US 01/00826) – 11/01/2001 &** **3. 09/884,184 – 19/06/2001 & 09/884,381 – 19/06/2001**
(74)	**HODA ANIS SERAG ELDIN**
(12)	**Patent**

(54)	**METHOD FOR INCREASING OXIDATION REACTOR PRODUCTION CAPACITY**
	Patent Period Started in 01/07/2001 and Ends in 30/06/2021

(57) The present invention relates to a method for increasing the production capacity of a conventional oxidation reactor for catalytic liquid phone oxidation of paraxylene by staging the oxidation reaction into a first high pressure and high solvent ratio reaction zone followed by the conventional reactor.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/12/2001** **1381/2001** **November 2003** **29/02/2004** **23078**

(51)	**Int. Cl.[7]** **C08G 63/78 & B01J 31/00**
(71)	**1. E.I. DU PONT DE NEMOURS AND COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JIWEN F. DUAN** **2. DONALD E. PUTZIG** **3. OTHERS**
(73)	**1.** **2.**
(30)	**1. (US) 09/792,182 – 23/02/2001** **2.** **3.**
(74)	**HODA ANIS SERAG ELDIN**
(12)	**Patent**

(54) METAL CONTAINING COMPOSITION AND PROCESS THEREWITH

Patent Period Started in 31/12/2001 and Ends in 30/12/2021

(57) A composition that can be used as catalyst is disclosed, which comprises. or is produced by combining, a titanium compound ;(B) either (i) a complexing agent, (ii) a combination of a complexing agent, hypophosphorous acid or a salt thereof, and optionally a solvent, a zirconium compound, or both, (iii)combination thereof; (C) a phosphorus compound; and, optionally, (D) a solvent. Also disclosed is a process that comprises contacting, in the presence of an esterification or transesterification or polycondensation catalyst composition and a phosphorus compound a carbonyl compound and an alcohol under a condition suitable for esterification, transesterification or polymerization. Further disclosed is a process to make polyester with reduced insoluble particles or solids using phosphorus compound other than the commonly used phosphoric acid.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/09/2001** **0964/2001** **September 2003** **29/02/2004** **23079**

(51)	**Int. Cl.[7]** **A47J 19/02**
(71)	**1. DR. IBRAHIM YEHIA EL SAYED (EGYPT)** **2. Eng. .AHMED AHMED MAHMOUD EL ATTAR (EGYPT)** **3.**
(72)	**1. DR. IBRAHIM YEHIA EL SAYED** **2. Eng. .AHMED AHMED MAHMOUD EL ATTAR** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**AN AUTOMATIC ORANGE-JUICE MACHINE**
	Patent Period Started in 08/09/2001 and Ends in 07/09/2021

(57) An automatic orange-juice machine consists of feeding mechanism that consists of fruit hopper, Rotating disk, and fruit tube, holding mechanism that consists of two drums which have 3 grooves, cutting mechanism that consists of a knife with that its can be adjusted by sliding socket, press mechanism that consists of two drums with 3 half balls, peel shover and channel/that consists of shover and orange transporting channel to be discarded into a bin by shoving the orange peels readily crushed along such discarding channel, clear front panels allow the customers to watch as their glass of juice is made and collect the juice, tank, and electrical motor and power transmission.

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology
Technology Development and Scientific Services Sector

PATENTS' ABSTRACTS

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(51)	**Int. Cl.[7] A46D 3/00 & A45D 19/02, 34/04**
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(73)	**1.** **2.**
(30)	**1. DE 10033256,0 – 10/07/2000 & 10130863,9 – 28/06/2001** **2.** **3.**
(74)	**MOHAMED MOHAMED BAKIR**
(12)	**Patent**

(54) METHOD AND DEVICE FOR PRODUCING BRUSHWARE

Patent Period Started in 09/07/2001and Ends in 08/07/2021

(57) Brushware comprising at least one carrier and bristles made from a moldable plastic material disposed thereon, is produced by providing the carrier with through holes acting like spinning nozzles, to which bristle – shaped molding channels join and a plastic melt for the bristles is injected from at least one side of the carrier – the feed side of the melt – through the holes into the channels thereby forming the bristles, wherein the through holes have a minimal width along at least a portion of their length which is ≤ 3mm and the ratio between this width and the flow path of the melt resulting from the depth of the through holes plus the length of the channels is ≤ 1:5. A device for carrying out the method and brushware produced in accordance with the method are also described .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/03/2001** **0320/2001** **December 2003** **09/03/2004** **23081**

(51)	**Int. Cl.[7] A61B 17/00**
(71)	**1. PROF. DR. MOHAMED ABD EL HAMID REFAIE (EGYPT)** **2. PROF DR. HATEM AHMED EL MEKAWI (EGYPT)** **3.**
(72)	**1. PROF. DR. MOHAMED ABD EL HAMID REFAIE** **2. PROF. DR. HATEM AHMED EL MEKAWI** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**SEGMENT TRANSFER**
	Patent Period Started in 31/03/2001 and Ends in 30/03/2021

(57) Distraction osteogests based on ilizarof principals is an accepted for reconstruction of facial bones however due to the specific curvature of the mandible, none of the available distractors can reconstruct the defect. This is because all of them are only linear distractors el mekawi mandibular segment transfer distractor is a simple enternal applance capable of reconstracting curved bone

Defects of the mandubule.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/10/2001** **1055/2001** **October 2004** **13/03/2004** **23082**

(51)	**Int. Cl.[7] A61K 35/78**
(71)	**1. DR. MAHMOUD YOUSSIF AHMED EBDO (SAUDI ARABIA SA)** **2.** **3.**
(72)	**1. DR. MAHMOUD YOUSSIF AHMED EBDO** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**HONEY PASTE**
	Patent Period Started in 09/10/2001 and Ends in 08/10/2021

(57) In this invention we present a honey paste formed mainly of honey with the addition of olive oil, corn flour and zinc oxide for topical use in wounds and burns .

The efficacy of this paste in killing microorganisms and promoting wound healing was documented through bacteriological, animal lab and volunteer patient studies. Honey paste overcome the problems with using pure bee honey in wounds and burns like local pain , body fluid extravasation through the wound, and dressings dryness few hours later.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/01/2002** **0091/2002** **December 2003** **15/03/2004** **23083**

(51)	**Int. Cl.[7] A01G 9/10**
(71)	**1. PROF. DR. MAHMOUD DESSOUKY G. EL SHERBEENY(EGYPT)** **2. PROF. DR. MOHAMED ESSAM EL – DIN EL - GEDDAWY** **3.**
(72)	**1. PROF. DR. MAHMOUD DESSOUKY G. EL SHERBEENY** **2. PROF. DR. MOHAMED ESSAM EL – DIN EL - GEDDAWY** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**STEM CONDITIONING MACHINE**
	Patent Period Started in 23/01/2002 and Ends in 22/01/2022

(57) The apparatus aims to raise the moisture content of the plant stems by about 20% , using water and super heated steam to adapt the cells of stems to be able to take as much as it can of water.

The apparatus consists of the following main parts :

Structure : which support the other apparatus parts and contains steam, water and air pipe lines.

Vibratory conveyor : which is driven by 3- phase electric motor and with vibratory mode of about 600 cycles/ min .

Upper movable door : which is opened and closed by a hydraulic circuit using gylesreen. A steam jet surface made from stainless steel is fixed at the bottom of the door and is supplied with 0.8 mm nozzles to inject the steam on the stems the opening of the door during the work cycle is secured by an electric circuit.

Water jets : six jets are provided to cold water in the stems chamber at the beginning of the process.

* Production rate : 2.5 tons/ hr.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/09/2001** **0997/2001** **October 2003** **15/03/2004** **23084**

(51)	**Int. Cl.[7] C07D 207/20**
(71)	**1. BAYER AKTIENGESELLSCHAFT (GERMANY)** **2.** **3.**
(72)	**1. ANDREW PLANT** **5. ALBRECHT MARHOLD** **2. THOMAS GELLER** **6. CHRISTOPH ERDELEN** **3. BERND GALLENKAMP** **7. ANDREAS TURBERG** **4. ROLF GROSSER** **8. OLAF HANSEN**
(73)	**1.** **2.**
(30)	**1. DE 10047110,2 – 22/09/2000** **2.** **3.**
(74)	**SALWA , SAMIA , SOHEIR MIKHAEL RIZK**
(12)	**Patent**

(54) OPTICALLY ACTIVE 2,5 – BISARYL -Δ^1 - PYRROLINES

Patent Period Started in 18/09/2001 and Ends in 17/09/2021

(57) Novel optically active Δ^1 – pyrrolines of the formula (1)

In which

R^1 , R^2 , R^3 , R^4 , and m are each as defined in the description,

A plurality of the processes for preparing these substances and their use for controlling pests.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/03/2002** **0254/2002** **December 2003** **15/03/2004** **23085**

(51)	**Int. Cl.[6] A61B 17/00**
(71)	**1. DR. HAZEM BAYOUMI ELSEBAIE (EGYPT)** **2.** **3.**
(72)	**1. DR. HAZEM BAYOUMI ELSEBAIE** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**VERTEBRAL FIXATION HOOK WITH A MOBILE THREADED MACHINE**
	Patent Period Started in 10/03/2002 and Ends in 09/03/2022

(57) The basic idea is to fabricate a vertebral fixation hook with the junction between the hook inserted into the vertebral body and the threaded machine connected to the rod is MOBILE. This junction is similar to a joint allowing the threaded machine to angulate 90˚ on the axis of the hook.

I have designed the hook to be in two pieces which can be easily assembled at any time before insertion. One piece is an inverted T shaped threaded machine, the transverse limb of which will slide and be introduced in the space created for it in the head of the hook.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/03/2002** **0306/2002** **November 2003** **17/03/2004** **23086**

(51)	**Int. Cl.[7] A61K 7/48**
(71)	**1. PROF. DR. FARID ABDEL-REHEIM ABDEL - AZIZ BADRIA (EGYPT)** **2.** **3.**
(72)	**1. PROF. DR. FARID ABDEL-REHEIM ABDEL - AZIZ BADRIA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**METHOD OF PREPARATION OF A NEW PRODUCT FROM APRICOT OIL AS DEODORANT AND REFRESHNER**
	Patent Period Started in 25/03/2002 and Ends in 24/03/2022

(57) This invention intends to utilize a pricot oil as deodorant and refreshner for the skin. Apricot oil may be used alone in its crude form or with other antiperspirants or deodorants either in the form of cream or sticks. This product is characterized by having safety, efficacy and its economic impacts.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/01/1994** **0043/1994** **December 2003** **17/03/2004** **23087**

(51)	**Int. Cl.[6] A47J 27/08**
(71)	**1. SEB S.A. (FRANCE)** **2.** **3.**
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(73)	**1.** **2.**
(30)	**1. FR 9301257 – 28/01/1993** **2.** **3.**
(74)	**MOHAMED SADEK HAMED HASB ALLAH**
(12)	**Patent**

(54) PRESSURE COOKER

Patent Period Started in 24/01/1994 and Ends in 23/01/2014

(57) The invention concerns a controlling mechanism of a valve with a flux limitation filled in the cover of the pressure cooker. The said controlling mechanism includes a cover handle in which is fitted in a radial sliding way between two positions of thrust a bolt allowing the free moving of the valve in a position of release of flux in a second position of thrust characterized in that :

The bolt is fitted on rubber sliding as from the readjustment position corresponding to the first position of thrust.

The bolt is linked to an automatic locking unlocking system from its sliding the said system provides on the one hand the lock on the position of the said bolt to a position corresponding more or less to the second position of thrust and on the other hand its automatic unlock while closing the cover of the pressure cooker.

Controlling mechanism of valves.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/04/2002** **0358/2002** **December 2003** **20/03/2004** **23088**

(51)	**Int. Cl.[7] C07C 69/732, 323/16 & C11D 3/50 & A61K 7/46**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ROBERT R. DYKSTRA** **2. GREGORY S. MIRACLE** **3.**
(73)	**1. (US) 60/282,789 – 10/04/2001** **2.**
(30)	**1.** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) PHOTO-ACTIVATED PRO-FAGRANCES

Patent Period Started in 08/04/2002and Ends in 07/04/2022

(57) The first aspect of the present invention relates to a photo-activated pro-accord conjugate having the formula:

Wherein (PHOTO) is a photo-labile unit which upon exposure to electromagnetic radiation is capable of releasing a pro-accord unit; X is a heteroatom selected from oxygen, nitrogen, sulfur; R1 and R2 are moieties when taken together comprise an aldehyde or a ketone fragance raw material, and R3 comprises a fragrance raw material alcohol, amine, or thio compound.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/03/2002** **0292/2002** **December 2003** **20/03/2004** **23089**

(51)	**Int. Cl.[7] C11D 3/39, 3/37**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. LAURA CERMENATI** **2. VINCENZO TOMARCHIO** **3.**
(73)	**1.** **2.**
(30)	**1. (EPO) 01870062/5 – 26/03/2001** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) HARD SURFACE CLEANING COMPOSITION COMPRISING A BLEACH

Patent Period Started in 25/03/2002 and Ends in 24/03/2022

The present invention encompasses a composition, suitable for cleaning hard surfaces, comprising a bleaching agent and a silicone glycol.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/01/2002** **0037/2002** **December 2003** **20/03/2004** **23090**

(51)	**Int. Cl.[7] C08G 63/85, 63/86 & B01J 31/26, 31/22**
(71)	**1. ATOFINA CHEMICALS INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. CONOR M. DOWLING** **2. SRI SESHADRI** **3. BIN CHEN**
(73)	**1.** **2.**
(30)	**1. (US) 09/895,990 – 29/06/2001** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) POLYESTER POLYCONDENSATION WITH CATALYST AND CATALYST ENHANCER

Patent Period Started in 14/01/2002 and Ends in 13/01/2022

(57) The present invention is based upon the discovery that nontitanyl oxalates can enhance the catalytic functionality of titanyl oxalate catalysts. This invention provides a novel catalytic composition containing a titanyl oxalate catalyst and a metallic oxalate catalyst enhancer and optionally containing a metallic cocatalyst such as an antimony based catalyst. A synergistic rclationship has discovercd between titanyl oxalate catalyst and the catalyst enhancer. A synergistic relationship has also been discovered between the titanyl oxalate catalyst, catalyst enhancer and a metallic cocatalyst such as antimony oxide or antimony triacetate. Also provided is an improved process of producing polyester by the polycondensation of polyester forming reactants in the presence of a catalytically effective amount of a polycondensation catalyst, wherein the improvement comprises utilizing, as the polycondensation catalyst, the novel catalyst composition containing a titanyl oxalate such as lithium titanyl oxalate and a catayst cnhancer such as a nontitanyl metallic oxalate like lithium oxalate and optionally containing a metallic catalyst such as antimony oxide or antimony triacetate. The improved process produces an improved polyester having lower acetaldehyde numbers and good color. The titanyl oxalate/catalyst enhancer composition can be used as a polycondensation catalyst in combination with other catalysts to achieve synergistic catalytic activity. Preferred is a combination of lithium or postassium titanyl oxalate, Li_2 or K_2 Tio $(C_2O_4)_2$, lithium or potassium oxalate, Li_2 or K_2 tio $(C_2O_4)_2$, with antimony oxide or antimony triacetate or antimony trisglycoxide.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/12/200** **1563/2000** **December 2003** **20/03/2004** **23091**

(51)	**Int. Cl.[7] C08L 3/00, 3/02 & D01F 9/00 & C08J 5/18**	
(71)	**1. HUMATRO CORPORATION (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. LARRY N. MACKEY** **2. VELERIE A. BALLEY** **3. JAMES D. MILLER** **4. JOHN G. MICHAEL**	**5. JOHN RICHARDS** **6. MARK R. RICHARDS** **7. DAVID W. CABELL** **8. PAUL D. TROKHAN**
(73)	**1.** **2.**	
(30)	**1. (US) WO PCT/1B00/00233 – 07/03/2000** **2. (US) WO PCT/1B00/00234 – 07/03/2000** **3.**	
(74)	**HODA AHMED ABDEL HADI**	
(12)	**Patent**	

(54) MELT PROCESSABLE STARCH COMPOSITIONS

Patent Period Started in19/12/2000 and Ends in 18/12/2020

(57) The present invention relates to starch compositions which contain starch and additives. The starch has a weight average molecular weight ranging from about 1,000 to about 2,000,000. The additives can be plasticizers or diluents. The composition containing the starch and the additive is formed by means of passing the composition through a die to produce fibers, foams, or films. These compositions have an extensional viscosity in the range from about 50 to about 20,000 pascal seconds. The starch compositions preferably contain a polymer that is substantially compatible with starch and has a weight- average molecular weight of at least 500,000.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/08/2002** **0959/2002** **December 2003** **22/03/2004** **23092**

(51)	**Int. Cl.[7] C08F 220/12 & C09D 5/16**
(71)	**1. SIGMA COATINGS BV (NETHERLANDS)** **2.** **3.**
(72)	**1. MICHEL GILLARD** **2. MARCEL VOS** **3.**
(73)	**1.** **2.**
(30)	**1. (EPO) 01203208,2 – 27/08/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) BINDERS WITH LOW CONTENT IN HYDROLYSABLE MONOMER SUITABLE FOR SELF-POLISHING ANTIFOULING PAINTS

Patent Period Started in 24/08/2002 and Ends in 23/08/2022

(57) Film-forming polymer prepared by polymerisation of :

From more than 0 up to 4 mol 0/0 of at least one ethylenically unsaturated monomer unit A selected from the carboxylic acid and sulfonic acid derivatives that can yildd an acid function upon hydrolysis water;

From 5 to 45 mol 0/0 of leat one monomer unit B selected from the group consisting of the N-vinyl lactam monomers of general fornula CH_2=CH-N-CO-R " the N-vinyle amides of general formula CH_2=CH-NR-COR ""–R ", the monomers of general formula CH_2=CR" "COO-R " "-NR" "CO-R", 2-pyrrolidone-1-isoprenyl ketone, and mixtures thereof, wherein

- R is H or selected from the group consisting of alkyl,
- R ’is a n-alkylidene radical having 2 to 8 carbon atoms,
- R "is selected from the group consisting of alkyl, cyclolkyl, alkyaryl radicals having a maximum of 18 carbon atoms,
- R"" is H or CH_3
- R ""is a n-alkylidene radical having from 1 to 8 carbon atoms,
- R""” is H or R"

And

- the balance of the monomer units being monomer units C from the group cosisting of the esters of ethylenically unsaturated carboxylic acids with C_1-C18 alcohols, styrene, alpha-methyl styrene, vinyl touenes, and mixtures thereof.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/06/2002** **0745/2002** **December 2003** **22/03/2004** **23093**

(51)	**Int. Cl.[7] E04C 2/32**
(71)	**1. M.I.C. INDUSTRIES INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. FREDERICK MORELLO** **2. MATTHEW J. YAGODICH** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 09/896,365 – 29/06/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) A BUILDING PANEL AND PANEL CRIMPING MACHINE

Patent Period Started in 29/06/2002 and Ends in 28/06/2022

(5 The present invention is an improved building panel having increased strength and rigidity, thereby reducing present design constraints imposed upon buildings constructed of interconnected panels. The building panel includes a novel curved central portion connected to two diverging inclined side wall portions in lieu of a straight central portion. Replacing the straight curved portion with a curved portion provides the building panel with increased strength and rigidity, thereby allowing the building panel to withstand increased positive and negative bending moments. Thus, a building constructed of panels having such curved central portions will reduce the present design constraints and increase the size and shape of buildings constructed of such panels.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/05/2002** **0564/2002** **December 2003** **22/03/2004** **23094**

(51)	**Int. Cl.[7] C07C 17/156**		
(71)	**1. VINNOLIT TECHNOLOGIE GMBH & CO. KG (GERMANY)** **2. VINTRON GMBH INDUSTRIESTR (GERMANY)** **3.**		
(72)	**1. HELMUT GRUMANN** **2. MANFRED STOGER** **3. JAN WILKENS**	**4. DIETER JACULI** **5. WINFRIED LORK** **6. PETER KAMMERHOFER**	**7. JURGEN EICHLER** **8. AREND GREVE** **9. HERMANN TROPP**
(73)	**1.** **2.**		
(30)	**1.** **2.** **3.**		
(74)	**SAMAR AHMED EL LABBAD**		
(12)	**Patent**		

(54) PROCESS FOR PURIFYING 1,2-DICHLOETHANE

Patent Period Started in 27/05/2002 and Ends in 26/05/2022

(57) A process for the preparation of 1,2-dichloroethane that is a very pure with respect to chloral or/and chloral hydrate and carbon dioxide is described herein. The process comprises oxychlorination of ethylene, using hydrogen chloride and an oxygen-containing gas, and alkali treatment of the 1,2-dichloroethane produced. In the process, the carbon dioxide present in the 1,2-dichloroethane-containing organic phase is, in accordance with the invention, substantially separated out from 1,2-dichloroethane – containing organic phase before the alkali treatment.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 25/05/2002** **(21) 0555/2002** **(44) December 2003** **(45) 22/03/2004** **(11) 23095**

(51)	**Int. Cl.[7]** **C07C 15/46, 11/04, 2/666, 5/333, 6/12**
(71)	**1. SNAMPROGERTTI SPA (ITALY)** **2.** **3.**
(72)	**1. IVANO MIRACCA** **2. GUIDO CAPONE** **3.**
(73)	**1.** **2.**
(30)	**1. IT. (M12001A001110)25/05/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**INTEGRATION PROCESS FOR THE PREPARATION OF ALKYL AND ALKENYL SUBSTITUTED AROMATIC COMPOUNDS**
	Patent Period Started in 25/05/2002 and Ends in 24/05/2022

(57) Integrated process for the production of alkyl and alkeny1 substituted aromatic compounds which comprises simultaneously dehydrogenating in a reactor-regenerator system a mixture containing an alkyl and an aromatic alkyl hydrocarbon coming from an alkylation unit and recycling the dehy-drogenated alkyl hydrocarbon thus produced, after separation, to the alkylation unit .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 13/04/2002** **(21) 0383/2002** **(44) December 2003** **(45) 22/03/2004** **(11) 23096**

(51)	**Int. Cl.[7]** **B05B 7/04, 7/10**
(71)	**1. UREA CASALE SA (SWITZERLAND)** **2.** **3.**
(72)	**1. GIANFRANCO BEDETTI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. EPO. 01109204,6 – 13/04/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) GRANULATION APPARATUS WITH LIQUID BASIN

Patent Period Started in 13/04/2002 and Ends in 12/04/2022

(57) A nozzle for distributor devices of granule's growth liquid substance in fluid bed granulators, is distinguished by the fact that it comprises a duct having, at one end, at least one inlet opening for a flow of a chosen granule's growth liquid substance, and, at the other end, supply opening for such substance, a gaseous flow distributor externally associated to the duct in predetermined spaced relationship from the supply opening and in fluid communication with the inside of the duct, and ernulsifying means associated to the inlet opening and the distributor to obtain, inside the duct an emulsion of the gaseous flow in the growth liquid substance.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/03/2002** **0339/2002** **December 2003** **22/03/2004** **23097**

(51)	**Int. Cl.[7]** **B01G 8/00, 8/18**
(71)	**1. OUTOKUMPU OYJ (FINLAND)** **2.** **3.**
(72)	**1. Dr. MARTIN HIRSCH** **2. Mr. STUART SNEYD** **3. Mr. LOTHAR FORMANEK**
(73)	**1.** **2.**
(30)	**1. DE. 10116892,6 – 04/04/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESS FOR CONVEYING GRANULAR SOLIDS

Patent Period Started in 31/03/2002 and Ends in 30/03/2022

(57) This invention relates to a process of continuously conveying granular solids from a first zone with a pressure of 4 to 16 bar through a descending line and via an ascending line to a second zone with a pressure which is lower than in the first zone by 3 to15bar, by means of a gaseous medium.

To ensure that the pressure between two regions can be reduced at low cost and with little maintenance effort when continuously conveying granular solids, a gaseous medium is injected into a tube through an upwardly directed nozzle at the point where the granular solids are conveyed through a descending line into an ascending line.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 27/02/2002** **(21) 0220/2002** **(44) December 2003** **(45) 22/03/2004** **(11) 23098**

(51)	**Int. Cl.[7]** **A47L 5/30**
(71)	**1. SAMSUNG KWANGJU ELECTRONICS COMPANY LTD (REPUBLIC OF KOREA)** **2.** **3.**
(72)	**1. BYUNG – JO LEE** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. KR. 0050144 – 21/08/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) BRUSH OF VACUUM CLEANER HAVING FLOOR CLOTH

Patent Period Started in 27/02/2002 and Ends in 26/02/2022

(57) A brush of a vacuum cleaner comprises a case, a rotary element to a bottom surface of which floor cloth is attached. The rotary element being rotatably disposed at a lower portion of the case, a housing being disposed in the case, a motor disposed in the housing for rotatably driving the rotary element, a first bushing into which a driven shaft of the rotary element is inserted, a second bushing being communicated with the first bushing, a blocking element protruding from a bottom surface of the case in the shape of a cylinder along a circumference of the bushing for preventing dust from flowing into the first bushing, and a ring element protruding from an upper and inner circumference of the first bushing toward an outer circumference of the driven shaft, the ring element for preventing dust from flowing into the housing. According to the brush as constructed above, due to the presence of the blocking element and the ring element the dust and dirt can be prevented from flowing into the housing. Therefore the various components such as the motor in the housing can be prevented from damage.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 04/12/1999** **(21) 1548/1999** **(44) December 2003** **(45) 22/03/2004** **(11) 23099**

(51)	**Int. Cl.[7]** **FO4B 35/00, 39/00**
(71)	**1. BG INTELLECTUAL PROPERTY LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. ALAN BRIGHTWELL** **2. PHILIP J. WEDGE** **3.**
(73)	**1.** **2.**
(30)	**1. GB. 9826566,3 – 04/12/1998 & 9912233,5 – 27/05/1999** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) COMPRESSOR ARRANGMENT

Patent Period Started in 04/12/1999 and Ends in 03/12/2019

(57) A hydraulic compressor arrangement includes hydraulic rams with ascciated non-return valves and a hydraulic pump typically electrically operated, provides a pressurised fluid source to operate rams allow the associtated chambers to receive and compress the low pressure gas provide via valve. The rams alternately compress and allow entry of the gas so as to produce a continuing source of compressed gas via pipe 1 to a gas storage tank 2 via quick release coupling.

Two stage compression is also described.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/06/2001** **0657/2001** **October2003** **30/03/2004** **23100**

(51)	**Int. Cl.[7]** **F16L 21/00**
(71)	**1. HOBAS ENGINEERING GMBH (AUSTRIA)** **2.** **3.**
(72)	**1. BETER KUNZE** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. DE. 10030231,9 – 20/06/2000** **2.** **3.**
(74)	**MOHAMED MOHAMED BAKIR**
(12)	**Patent**

(54) COUPLING FOR CONNECTING TWO PIPES

Patent Period Started in 19/06/2001 and Ends in 18/06/2021

(57) This invention relates to coupling for connecting pipes, in particular for connecting waste water pipes.

A coupling for connecting to pipes with an outside diameter or having a tubular base body of fiber-reinforced plastic having an inside wall, an outside wall, and two ends, at a distance from each end the inside wall is designed with a ring-shaped recess, a gasket made of rubber-elastic material is arranged in each ring-shaped recess projecting racially in ward above the respective recess with a sealing lip.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/05/2002** **0533/2002** **December 2003** **31/03/2004** **23101**

(51)	**Int. Cl.[7]** **A61K 35/78**
(71)	**1. Prof. Dr. FARID ABD ELRIHIM ABD ELAZEZ (EGYPT)** **2.** **3.**
(72)	**1. Prof. Dr. FARID ABD ELRIHIM ABD ELAZEZ** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) METHOD OF PREPARATION OF TOPICAL BIOADHESIVE PATCHES CONTAINING GLYCYRRHIZINS FOR TREATMENT OF ULCERS IN BUCCAL CAVITY DUE TO VIRAL AND INFLAMMATORY DERMATOLOGIC DISEASE

Patent Period Started in 20/05/2002 and Ends in 19/05/2022

(57) This invention intends to utilize a natural substance e.g. glycyrrhizine in a topical lioadhesive patches. Glycyrrhizine in different concentration was incorporated in a solution of sodium carboxymethyl cellulose (1.2%w/v) and carbomer 941 (0.4%w/v) in distilled water. Equal volumes of the prepared solutions were transferred into polytetra fluorethylene (PTFE) ,moulds. The glycyrrhizine bioadhesive patches wee compared to 0.1% w/v triamcinolone patches against ulcer in buccal cavity. The results showed the superiority of glycyrrhizine pathes over triamcinolone ones with regards to efficacy, onset of action, economic and safety aspects.

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology
Technology Development and Scientific Services Sector

PATENTS' ABSTRACTS

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(51)	**Int. Cl.[7]** **H02G 3/04**
(71)	**1.** **MOO – WON BYUN (KOREA)** **2.** **3.**
(72)	**1.** **MOO – WON BYUN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**HAZEM MONIR WAHBA SHALAKANY OFFICE FOR LAW AND CONSULATION**
(12)	**Patent**

(54) MULTIPLE CHANNEL DUCT ASSEMBLY FOR CABLES

Patent Period Started in 28/06/2000 and Ends in 27/06/2020

(57) The multiple channel duct assembly for cables in accordance with the present invention comprises a plurality of plastic inner ducts contiguous co- directionally extending, substantially parallel, in abutting contact with each other, each of said inner ducts having the cross sectional areas sufficient to contain at least one cable; and a plastic outer duct encircling said inner ducts over their entire length to retain them in their contiguous relationship, wherein said outer duct has a corrugated tubular section including a plurality of contiguous ridges and troughs extending over the entire length; whereby said assembly is so flexible that it can be coiled around transportable reels as well as so strong that it can withstand dirt in a trench . This duct assembly allows an overall reduction in cable installation costs, and the manifolding aspect of the present invention maintains high structural integrity over the entire length of the conduit sections, and affords enhanced moisture protection to the entire system by reason of the outer duct which is corrugated and incessantly extended. Besides the aspect of inner ducts of plastic with less friction provides sufficiently smooth inside surfaces to the inner ducts, through which fiber optic cables electric wires or the likes are inserted .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/01/2002** **0093/2002** **January 2004** **13/04/2004** **23103**

(51)	**Int. Cl.[7]** **B01D 63/00 & C02F 01/44**
(71)	**1. ROBERT S. BOSKO (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ROBERT S. BOSKO** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 09/773,381 – 31/01/2001** **2.** **3.**
(74)	**REFAAT EZZY BOTRUS**
(12)	**Patent**

(54) MICROBIAL RESISTANT WATER PURIFICATION AND COLLECTION SYSTEM

Patent Period Started in 26/01/2002 and Ends in 25/01/2022

(57) A microbial resistant water purification and collection system generally comprises a reverse osmosis filter assembly having a filter inlet in selective fluid communication with a system inlet and a filter outlet in fluid communication with a water storage container. The filter inlet is separated from the filter outlet by a filter membrane. At least a portion of the storage container is located at an elevation above the filter membrane such that filling of the storage container creates a head pressure in the storage container relative to the filter membrane. A shut – off valve is interposed the system inlet and the filter inlet to block fluid communication from the system inlet to the filter inlet upon reaching a minimum head pressure in the storage container relative to the filter membrane

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/10/2001** **1046/2001** **January 2004** **13/04/2004** **23104**

(51)	**Int. Cl.[7]** **B27K 3/52**
(71)	**1.** **GAMAL HASSAN AHMED NADA (EGYPT)** **2.** **3.**
(72)	**1.** **GAMAL HASSAN AHMED NADA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**ANTI FLAME & FIRE**
	Patent Period Started in 03/10/2001 and Ends in 02/10/2021

(57) The invention relates to a solution for agriculture waste treatment as rise waste & sugar cans and treating the carton paper carpet, sponge, cotton, and industrial textiles until become anti flame

This solution consists of special chemical with different ratio for anti – flame.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/10/2001** **1057/2001** **January 2004** **17/04/2004** **23105**

(51)	**Int. Cl.[7]** **C08J 9/32**
(71)	**1.** **AGROLINZ MELAMIN GMBH (AUSTRIA)** **2.** **3.**
(72)	**1. MANFRED RATZSCH** **2. HARTMUT BUCKA** **3.**
(73)	**1.** **2.**
(30)	**1.** **(AT) A 1717 – 10/10/2000** **2.** **3.**
(74)	**DR. SAMIA MEKAEEL RIZK & SOHIR MEKAEEL RIZK , SALWA MEKAEEL RIZK**
(12)	**Patent**

(54) SYNTACTIC AMINOPLAST FOAMS

Patent Period Started in 09/10/2001 and Ends in 08/10/2021

(57) Syntactic aminoplast foams having high flame resistance and resistance to hydrolysis and a density of from 5 to 500 kg/m3 and comprising adhesively bonded spherical particles consisting of spherical hollow microparticles having a membrane of aminoplasts of the melamine resin, urea resin, cyanamide resin, dicyandiamide resin, sulphonamide resin and/or aniline resin types and having an adhesive layer between the spherical hollow microparticles of aminoplasts, and their preparation and their use .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**21/05/2001** **0526/2001** **January 2004** **17/04/2004** **23106**

(51)	**Int. Cl.[7]** **A22C 11/02 & 11/04**
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(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**DR. SAMIA MEKAEEL RIZK & SOHIR MEKAEEL RIZK , SALWA MEKAEEL RIZK**
(12)	**Patent**

(54) A DEVELOPED DEVICE FOR WRAPPING GRAPE LEAVES AND OTHERS SYSTEMATICALLY WITH FIXED EQUAL MEASUREMENTS AND DIFFERENT DIAMETERS

Patent Period Started in 21/05/2001 and Ends in 20/05/2021

(57) The present invention relates to a developed new mechanical device for wrapping grape leaves, cabbage & others which is manufacturing from stainless steel material. This device is wrapping the said products systematically with fixed, equal measurements and diferent diameters, this can be effected by moving a wire inside specific path present at the end of the sides of the open box as shape of the letter E .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/11/2001** **1216/2001** **January 2004** **18/04/2004** **23107**

(51)	**Int. Cl.[7]** **G01V 1/00**
(71)	**1.** **PGS AMERICAS INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MRINAL K. SEN** **2. PAUL L. STOFFA** **3. FAQI LIU**
(73)	**1.** **2.**
(30)	**1.** **(US) 09/794570 – 27/02/2001** **2.** **3.**
(74)	**DR. MOHAMED KAMEL MOUSTAFA**
(12)	**Patent**

(54) ANGLE DEPENDENT SURFACE MULTIPLE ATTENUATION FOR TWO-COMPONENT MARINE BOTTOM SENSOR DATA

Patent Period Started in 18/11/2001 and Ends in 17/11/2021

(57) A method of processing data that uses an angle dependent filter from two – component sensor data may allow for attenuation of free surface multiples. Typically – the sensors that are used to produce two-component ocean bottom sensor data are hydrophones and geophones . The method decomposes the recorded dual sensor data into upgoing and downgoing wavefields from by combining the recorded pressure at the hydrophone with the vertical particle velocity from the geophone recorded at the ocean floor. Surface multiple attenuation is accomplished by application of an incident angle dependent deconvolution of the downgoing wavefield from the upgoin wavefield . The method uses an angle dependent filter to calibrate the geophone response so that the different coupling of the two instruments and associated noisc are taken into account .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/06/2002** **0673/2002** **November 2003** **18/04/2003** **23108**

(51)	**Int. Cl.[7]** **H04H 1/00**
(71)	**1. LG ELECTRONICS INC (THE REPUBLIC OF KOREA)** **2.** **3.**
(72)	**1. WOO Y. KWAK** **2. SUNG H. CHOI** **3.**
(73)	**1.** **2.**
(30)	**1. (KU) (P 2001 – 82736) – 21/12/2001** **2.** **3.**
(74)	**MOHAMED MOHAMED BAKIR**
(12)	**Patent**

(54) ONE PIECE TYPE WIRELESS LOCAL LOOP SYSTEM

Patent Period Started in 17/06/2002 and Ends in 16/06/2022

(57) A wireless local loop system having an integrated one – piece construction is provided . The system comprises a speaker, a microphone, and a RF transmission/ reception mechanism for receiving a RF signal from an antenna, providing the signal after converting it to a digital baseband signal to a MSM (Mobile System Modem), and vise versa. The system further comprises a CODEC for coding and decoding analog and digital voice signals communicated between the microphone and the MSM. A data interface mechanism for connecting the WLL system to an external terminal, a memory for storing data related to user services and a main program for controlling the MSM, a power supplying mechanism having a charge battery for supplying power to the respective integrated system components.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/06/2002** **0600/2002** **January 2004** **18/04/2004** **23109**

(51)	**Int. Cl.[7]**		**A61F 13/84**
(71)	**1. KIMBERLY – CLARK WORLDWIDE INC (UNITED STATES OF AMERICA)** **2.** **3.**		
(72)	**1. RONALD L. EDENS** **2. JAMES J. HLABAN** **3. LAURA J. KEELY** **4. THOMAS P. KEENAN**	**5. SYLVIA B. LITTLE** **6. MARY L. MCDANIEL** **7. STEPHEN L. NUNN** **8. WILLIAM G. REEVES**	**9. HEATHER A. SOREBO** **10. SUSAN M. WEYENBERG**
(73)	**1.** **2.**		
(30)	**1. (US) 10/039,452 – 31/11/2001 & 10/038,969 – 31/12/2001 & 10/037,286 – 31/12/2001 &** **2. 60/297,000 – 8/6/2001** **3.**		
(74)	**HODA ANIS SERAG EL DIN**		
(12)	**Patent**		

(54) FINGER – RECEIVING AREA FOR A LABIAL PAD

Patent Period Started in 05/06/2001 and Ends in 04/06/2022

(57) An absorbent, such as a labial pad, configured for disposition within the vestibule of a female wearer. The absorbent may be worn by females for catamenial purposes, incontinence protection, or both,and has an area or element to allow the female wearer to easily dispose the labial pad within her vestibule.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/07/2001** **0755/2001** **January 2004** **18/04/2004** **23110**

(51)	**Int. Cl.[7]**	**D01D 5/092**
(71)	**1. E.I. DU PONT DE NEMOURS AND COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. HANS R. FRANKFORT** **2. LEONARD J. HERBIG** **3. GREGORY E. SWEET**	**4. GEORGE VASSILATOS**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	**(US) 60/217,078 – 10/07/2000**
(74)		**HODA ANIS SERAG EL DIN**
(12)		**Patent**

(54) METHOD OF PRODUCING POLYMERIC FILAMENTS

Patent Period Started in 09/07/2001 and Ends in 08/07/2021

(57) A method of making polymeric e.g., polyester, filaments having low denier spread by use of a polymer of high viscosity is described . The filaments are useful to make yarns and other articles .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/09/2001** **1008/2001** **January 2004** **19/04/2004** **23111**

(51)	**Int. Cl.^{7} E04C 5/00**
(71)	**1. DR. EL TOHAMY ABO ZEED EL TOHAMY (EGYPT)** **2.** **3.**
(72)	**1. DR. EL TOHAMY ABO ZEED EL TOHAMY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**STRENGTHENING OF RC BEAMS AND THEIR CONNECTIONS USING EXTERNAL PRESSURE WITH PLATES AND ANGLES**
	Patent Period Started in 24/09/2001and Ends in 23/09/2021

(57) This invention relates to a technique for retrofitting and strengthening the existing concrete beams and connections is presented. This technique is based on fixing the external strengthening reinforcement into the concrete element by applying external permanent pressure to element with external strengthening reinforcement in the two directions perpendicular to the beam axis or the connection with or without the use of chemical adhesives. After that. Sustaining said the applied external pressure then removing said pressure casing . The external pressure is applied along the beam length by means of a pressure casing exerting the confinement action to the beam or part of it .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/03/2002** **0305/2002** **January 2004** **21/04/2004** **23112**

(51)	**Int. Cl.[7]** **A61K 35/78**
(71)	**1. PROF. DR. FARID ABDEL REHIM ABDEL AZIZ BADRIA (EGYPT)** **2.** **3.**
(72)	**1. PROF. DR. FARID ABDEL REHIM ABDEL AZIZ BADRIA)** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) METHOD OF PREPARE OF A NEW PHARMACEUTICAL PRODUCT FROM MARJORAM AND FOENUGREEK FOR TREATMENT OF HIGH LEVEL TRUGLYCERIDES AND FATTY LIVER

Patent Period Started in 25/03/2002 and Ends in 24/03/2022

(57) This invention intends to make good of widely available natural plants e.g. marjoram and foengreek for preparing pharmaceutical product for treatment of high level triglycerides and fatty liver.

Marjoram 1.7-2.2%, fenugreek ext. 2.3-3.7%, cyperus ext. 0.5-1.3%, Myrrh ext. 2.1-2.9%, olive leaves ext. 2.8-3.5%, and olibanum gum powder to 100%.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/02/2000** **0185/2000** **January 2004** **21/04/2004** **23113**

(51)	**Int. Cl.[7] A61K 35/78**
(71)	**1. PROF. DR. FARID ABDEL REHIM ABDEL AZIZ BADRIA (EGYPT)** **2.** **3.**
(72)	**1. PROF. DR. FARID ABDEL REHIM ABDEL AZIZ BADRIA)** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) BIOGUIDED FRACTIONATION TO OBTAIN A NEW PREPARATION FOR HYPERPIGMENTATION DISORDERS OF SKIN

Patent Period Started in 19/02/2000 and Ends in 18/02/2020

(57) The present invention is based on the discovery that the flavonoid extracts of citrus fruits (lemons , oranges and Tangerines) and flavonoids from liquorice (licorice) , in particular those belong to isoflavane and flavanone, have valuable biological properties which can be utilized in hyperpigmentation problems (e.g. melasma) in skin. In particular, the inventor has observed that these extracts possess an inhibitory activity on melanogenesis (melanin formation) and thus make it possible to reduce the pigmentation of the skin as well as to treat disorders of the pigmentation of the skin, more particularly by inhibity the activity of tyrosinase enzyme and consequently suppress the biosynthesis of melanin. Very good results in this field have been obtained with several pharmaceutical preparations obtained from the flavonois, especially " Glabridin " isoflavane from liquorice root and rhizome extracts " Glycyrryhiza glabra " which is wildly grow allover Egypt .

The aim of this invention is as follows :

1. find an effective preparation for hyperpigmentation .
2. Find the best pharmaceutical formulation for the active components.
3. Invest a widely abundant plant as a source for developing new drug.
4. Economic utilization of the crude extract without further separation .
5. Provide the pharamceutical industry with a novel preparation

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/03/2002** **0297/2002** **January 2004** **21/04/2004** **23114**

(51)	**Int. Cl.[7]** **A61K 7/48**
(71)	**1. PROF. DR. FARID ABDEL REHIM ABDEL AZIZ BADRIA (EGYPT)** **2.** **3.**
(72)	**1. PROF. DR. FARID ABDEL REHIM ABDEL AZIZ BADRIA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) METHOD OF PREPARATION OF A NEW PRODUCT FROM COFFEE AND CAFFEINE FOR TREATMENT OF CELLULITE

Patent Period Started in 25/03/2002 and Ends in 24/03/2022

(57) This invention intends to improve skin strength and firmness and reducing sing of cellulite by using topical preparation from coffee powder or caffeine. This preparation may regulate the lipid deposition in the body or redistribution or utilization of the fat in the lipocytes by stimulating enzyme " Adenylate cyclase " or inhibiting phosphodiestrase. Caffeine 0.4%, Caffe 5% Salcylic acid 1%, Vit. A0.2% , Vit A 0.2% Cream base to 100%. Salcylic acid 1%, Lactic acid 10%, Lactic acid 5%, Vit E 0.2%, Vit. E 0.2%, Cream base to 100% .

The fat saluble components of the base plus Vit. A and E will be melted in a stainless to 80 ̊C. The aqueous components of the base plus coffe or caffeine, lactic, and salicylic will be mixed with water and heated up to 75˚C.

The oil mixture will be added to the aqueous solution with stirring at 75˚C. for 20 minute to produce O/W cream.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/05/2002** **0532/2002** **January 2004** **21/04/2004** **23115**

(51)	**Int. Cl.**[7] **A61K 35/78**
(71)	**1. DR. FARID ABDEL-REHEIM ABDEL AZIZ BADRIA (EGYPT)** **2.** **3.**
(72)	**1. DR. FARID ABDEL-REHEIM ABDEL AZIZ BADRIA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) METHOD OF PREPARATION OF A TOPICAL PRODUCT FROM RADDISH SEEDS FOR TREATMENT OF ACNE

Patent Period Started in 20/05/2002 and Ends in 19/05/2022

(57) This invention intends to utilize raddish seeds which is known as an a greable vegetable and a rich source for natural sulfur. This invention intends to homogenize the powdered seed in honey bees to get a uniform preparation with astringent and antiseptic properties. This invention may be used as a safe , effective and economic antiacne preparation.

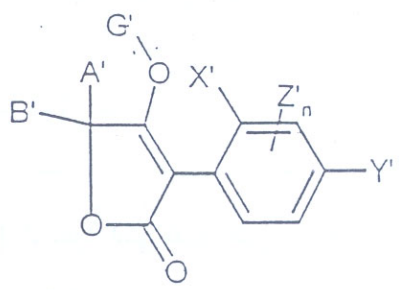
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/03/2000** **0343/2000** **January 2004** **24/04/2004** **23116**

(51)	**Int. Cl.[7]**	**A01N 43/12 , 51/00 , 47/40**
(71)	**1. BAYER AKTIENGESELLSCHAFT (GERMAY)** **2.** **3.**	
(72)	**1. THOMAS BRETSCHNEIDER** **2. REINER FISCHER** **3. CHRISTOPH ERDELEN**	**4. ERNST BRUCK**
(73)	**1.** **2.**	
(30)	**1. DE 19913174,0 – 24/03/1999** **2.** **3.**	
(74)	**SOHEIR MIKHAIL RIZK**	
(12)	**Patent**	

(54) SYNERGISTIC INSECTICIDAL MIXTURES

Patent Period Started in 22/03/2000 and Ends in 21/03/2020

(57) The invention relates to insecticidal mixtures comprising compounds of the formula



In which X',y',z',n,G',A' and B' are as defined above
and agonists and/or antagonists of nicotinic acetylcholine receptors , for protecting plants against attack by pests.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/02/2001** **0121/2001** **January2004** **24/04/2004** **23117**

(51)	**Int. Cl.[7]**	**E12B 33/124**
(71)	**1. EXXONMOBIL UPSTREAM RESEARCH COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. RANDY C. TOLMAN** **2. LAWRENCE O. CARLSON** **3. DAVID A. KINISON** **4. KRIS J. NYGAARD**	**5. GLENN S. GOSS** **6.WILLIAM A. SOREM** **7.LEE L. SHAFER**
(73)	**1.** **2.**	
(30)	**1. US 60/182,687 – 15/02/2000 & 60/244,258 – 30/10/2000** **2.** **3.**	
(74)	**HODA AHMED ABDEL HADY**	
(12)	**Patent**	

(54)	**METHOD AND APPARATUS FOR STIMULATION OF MULTIPLE FORMATION INYERVALS**
	Patent Period Started in 12/02/2001 and Ends in 11/02/2021

(57) The invention provides an apparatus and method for perforating and treating multiple intervals of one or more subterranean formation intersected by a wellbore by deploying a bottom-hole assembly ("BHA") having a perforating device and at least one sealing mechanism within said wellbore. The BHA may be deployed in the wellbore using a tubing string or cable ; or alternatively , the BHA may be deployed using a tractor system attached directly to the BHA . The perforating device is used to perforate the first interval to be treated . Then the BHA is positioned within the wellbore such that the sealing mechanism, when actuated, establishes a hydraulic seal in the wellbore to positively force fluid to enter the perforations corresponding to the first interval to be treated . A treating fluid is then pumped down the wellbore and into the perforations created in the perforated interval . The sealing mechanism is released, and the are then repeated for as many intervals as desired, without removing the BHA from said wellbore.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/06/2001** **0594/2001** **January 2004** **24/04/2004** **23118**

(51)	**Int. Cl.[7]** **F16L 1/20, 1/19 , 1/235**
(71)	**1. STOLT OFFSHORE LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. STEWART K. WILLIS** **2. RICHARD W. TURNBULL** **3.**
(73)	**1.** **2.**
(30)	**1. GB 9/0013569 – 05/06/2000 & 0103861 – 16/02/2001** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) PIPE HANDLING APPARATUS

Patent Period Started in 03/06/2001 and Ends in 02/06/2021

(57) The invention relates to pipe handling apparatus for laying elongate articles, such as pipes in deep water. The apparatus includes a tiltable pipe handling structure housing a travelling clamp for holding and/or paying out under tension the elongate article and a fixed clamp . The travelling clamp is driven via an articulated rack located by guide means. The rack is driven by pinion drive means located and acts at a lower portion of the rack, such that the centre of gravity of the apparatus is lowered, and loading in the structure is reduced.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/06/2001** **0652/2001** **January2004** **24/04/2004** **23119**

(51)	**Int. Cl.[7]** **C11D 3/50 & D06L 1/04 & D06M 13/00 , 23/06**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JOHN C. SEVERNS** **2. TOAN TRINH** **3. ROBERT P. FOX**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) FABRIC CARE COMPOSITIONS AND SYSTEMS FOR DELIVERING CLEAN , FRESH SCENT IN A LIPOPHILIC FLUID TREATMENT

Patent Period Started in 17/06/2001 and Ends in 16/06/2021

(57) Fabric care compositions comprising a perfume , methods for using such compositions and systems for their use in a lipophilic fluid treatment process are provided. More particularly, the present invention relates to fabric care compositions and systems comprising a perfume, and methods for using such compositions in the cleaning and treatment of garments with a lipophilic fluid.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/10/2001** **1154/2001** **January2004** **24/04/2004** **23120**

(51)	**Int. Cl.[7]** **F25J 3/02**
(71)	**1. BLACK & VEATCH PRITCHARD INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. BRIAN C. PRICE** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. US 09/704,064 – 01/11/2000** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) A SYSTEM AND PROCESS FOR LIQUEFYING HIGH PRESSURE NATURAL GAS

Patent Period Started in 30/10/2001 and Ends in 29/10/2021

(57) A system and a method for efficiently removing natural gas liquids from a natural gas stream at an elevated pressure and liquefying the natural gas stream at an elevated pressure by use of a turbo expander and a compressor.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/10/2001** **1155/2001** **January 2004** **24/04/2004** **23121**

(51)	**Int. Cl.**[7]	**C03C 17/34 , 17/245**
(71)	**1. ATOFINA CHEMICALS INC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. DAVID A. RUSSO** **2. CLEM S. MICKOWN** **3. CHRISTOPHE ROGER**	**4.JEFFERY L. STRICKER**
(73)	**1.** **2.**	
(30)	**1. US 09/699,681 – 30/10/2000** **2.** **3.**	
(74)	**HODA AHMED ABDEL HADY**	
(12)	**Patent**	

(54)	**SOLAR CONTROL COATED GLASS**
	Patent Period Started in 30/10/2001 and Ends in 29/10/2021

(57) A solar – control glass that has acceptable visible light transmission, absorbs near infrared wavelength light (NIR) ad reflects midrange infrared light(low emissivity mid IR) along with a preselected color within the visible light spectrum for reflected light is provided. Also provided is a method of producing the improved, coated , solar-controlled glass. The improved glass has a solar energy (NIR) absorbing layer comprising tin oxide having a dopant such as antimony and a low emissivity control layer (low emissivity) capable of reflecting midrange infrared light and comprising tin oxide having fluorine and/or phosphorus dopant. A separate iridescence color suppressing layer as described in the prior art is generally not needed to achieve a neutral (colorless) appearance for the coated glass, however an iridescence suppressing layer or other layers may be combined with the two layer assemblage provided by the present invention . If desired, multiple solar control and/or multiple low emissivity layers can be utilized. The NIR layer and the low emissivity layer can be separate portions of a single tin oxide film since both layers are composed of doped tin oxide. A method of producing the coated solar control glass is also provided.

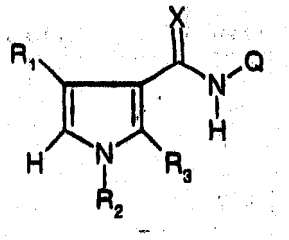
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/11/2001** **1173/2001** **January 2004** **24/04/2004** **23122**

(51)	**Int. Cl.[7]** **A01N 43/36 & C07D 409/12 , 207/32**
(71)	**1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND)** **2.** **3.**
(72)	**1. HARALD WALTER** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. GB 0027284,9 – 08/11/2000 & 0030268,7 – 12/12/2000** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) PYRROLCARBOXAMIDES AND PYRROLCARBOTHIOAMIDES

Patent Period Started in 06/11/2001 and Ends in 05/11/2021

(57) The invention relates to novel pesticidal pyrrolcarboxamides of formula 1



Wherein
X is oxyge or sulfur;
R_1 is CF_3 , CF_2H or CFH_2;
R_2 is C_1-C_3 alkyl, C_1-C_3 haloalkyl , C_1-C_3 alkoxy- C_1-C_3 haloalkoxy – C_1-C_3 alkyl ;
R_3 is hydrogen , methyl, CF_3 or fluoro;

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/11/2001** **1270/2001** **January 2004** **24/04/2004** **23123**

(51)	**Int. Cl.[7]** **E21B 33/13**
(71)	**1. SOFITECH NV (BELGIUM)** **2.** **3.**
(72)	**1. JOEL RONDEAU** **2. PIERRE VIGNEAUX** **3.**
(73)	**1.** **2.**
(30)	**1. US 09/726,784 – 29/11/2000** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54)	**FLUID MIXING SYSTEM**
	Patent Period Started in 28/11/2001 and Ends in 27/11/2021

(57) A method for continuously mixing a borehole fluid such as cement includes using a measurement of the solid fraction of a cement slurry as it is being mixed to determine the ratio of the solid and liquid components to be added to the slurry. A system for mixing the includes a liquid material (water) supply including a flow meter; a solid material (cement) supply ; a mixer which receives the liquid and solid materials and includes an output for delivering materials from the mixer to a delivery system ; a device for measuring the amount of material in the mixer ; and a flow meter in the output ; wherein measurements from the flow meters and the device for measuring the amount of material in the mixer are used to control the amount of solid and/or liquid material added to the mixer.

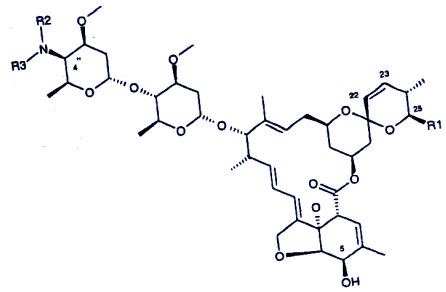
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/02/2002** **0203/2002** **January2004** **24/04/2004** **23124**

(51)	**Int. Cl.[7]** **C07H 19/00 & A01N 47/32**
(71)	**1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND)** **2.** **3.**
(72)	**1. WILIAM LUTZ** **2. THOMAS PITTERNA** **3. ANTHONY C. O'SULLIVAN**
(73)	**1.** **2.**
(30)	**1. CH 374/01 – 27/02/2001** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) AVERMECTINS SUBSTITUTED IN THE 4- POSITION HAVING PESTICIDAL PROPERTIES

Patent Period Started in 19/02/2002 and Ends in 18/02/2022

(57) What is described are a compound of the formula



In which

R_1 is C_1-C_{12} alkyl , C_3-C_8 cycloalkyl or C_2-C_{12} alkenyl ;

R_2 is H_1 unsubstituted or mono – to pentasubstituted C_1-C_{12} alkyl or unsubtituted or mono – to pentasubstituted C_1-C_{12} alkenyl ;

R_3 is C_2-C_{12} alkyl , mono – to pentasubstituted C_1-C_{12} alkyl , unsubstituted or mono – to pentasubstituted C_1-C_8 alkyl , unsubstituted or mono – to pentasubstituted C_3-C_{12} cycloalkyl , C_2-C_{12} alkenyl , C_2-C_{12} alkynyl ; or

R_2 and R_3 together are an alkylene or alkenylene bridge;

With the proviso that R_1 is not sec-butyl or isopropyl if R_2 is H ad R_3 is 2- hydroxyethyl ,isopropyl , n- octyl or benzyl;or , if appropriate , in E/Z isomer , an E/Z isomer mixture and /or a tautomer thereof;

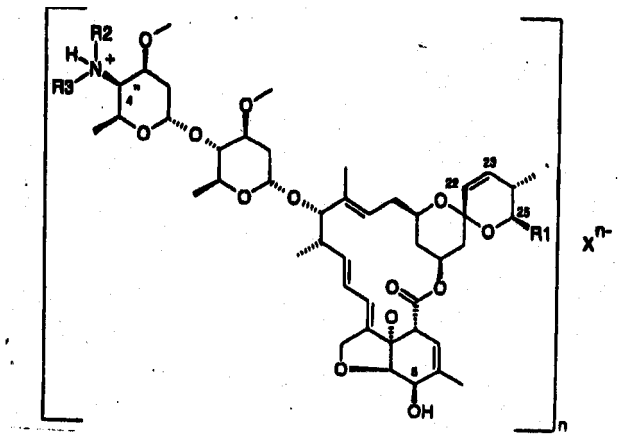
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/02/2002** **0209/2002** **January 2004** **24/04/2004** **23125**

(51)	**Int. Cl.[7]** **C07H 19/01 & A01N 43/90**
(71)	**1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND)** **2.** **3.**
(72)	**1. THOMAS PITTERNA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. CH 373/01 – 27/02/2001** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) SALTS OF AVERMECTINS SUBSTITUTED IN THE 4 POSITION AND HAVING PESTICIDAL PROPERTIES

Patent Period Started in 20/02/2002 and Ends in 19/02/2022

(57) A compound of formula



Wherein

X is an anion ;

N is 1,2,3,or 4;

R_1 is C_1-C_{12} alkyl , C_3-C_8 cycloalkyl ; or C_2-C_{12} alkenyl ;

R_2 is hydrogen , unsubstituted or substituted C_1-C_{12} alkyl or C_2-C_{12} alkenyl;

R_3 is hydrogen , unsubstituted or substituted C_1-C_{12} alkyl or C_3-C_{12} Cycloalkyl or C_2-C_{12} alkynyl ;

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/03/2002** **0237/2002** **January 2004** **24/04/2004** **23126**

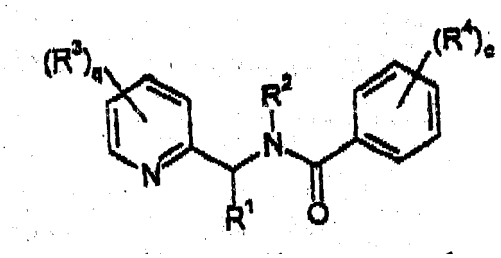
(51)	**Int. Cl.**[7]	**A01N 43/40 , 57/12 , 59/26**
(71)	**1. AVENTIS CROPSCIENCE SA (FRANCE)** **2.** **3.**	
(72)	**1. DAVID S. HOLAH** **2. JANE ELIZABETH DANCER** **3. MARIE PASCALE LATORSE**	**4. RICHARD MERCER**
(73)	**1.** **2.**	
(30)	**1. FR 0103139 – 08/03/2001** **2.** **3.**	
(74)	**HODA AHMED ABDEL HADY**	
(12)	**Patent**	

(54) NOVEL FUNGICIDAL COMPOSITION

Patent Period Started in 05/03/2002 and Ends in 04/03/2022

(57) Fungicidal compositions comprising:

a) at least one pyridylmethylbenzamide derivative of formula (I) :



in which the various radicals are as defined in the description,
and

b) at least one compound which is a phosphorus acid derivative , or phosphorus acid itself , and also alkali metal , alkaline – earth metal or metallic salts thereof.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/03/2002** **0239/2002** **January 2004** **24/04/2004** **23127**

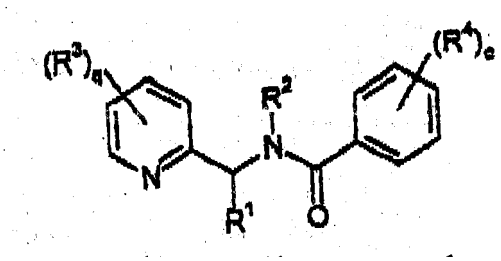
(51)	**Int. Cl.**[7]	**A01N 43/40, 47/12**
(71)	**1. AVENTIS CROPSCIENCE SA (FRANCE)** **2.** **3.**	
(72)	**1. DAVID S. HOLAH** **2. JANE ELIZABETH DANCER** **3. MARIE PASCALE LATORSE**	**5. RICHARD MERCER**
(73)	**1.** **2.**	
(30)	**1. FR 0103140 – 08/03/2001** **2.** **3.**	
(74)	**HODA AHMED ABDEL HADY**	
(12)	**Patent**	

(54) NOVEL FUNCIDAL COMPOSITIONS BASED ON PYRIDYLMETHYLBENZAMIDE DERIVATIVES AND IMIDAZOLINE OR OXAZOLIDINE

Patent Period Started in 05/03/2002 and Ends in 04/03/2022

(57) Fungicidal compositions comprising:

a) at least one pyridylmethylbenzamide derivative of formula (I):



in which the various radicals are as defined in the description,
and

b) at least one compound (II) capable of inhibiting the transport of electrons of the respiratory chain of mitochondrial ubiquiol : ferricytochrome-c
oxidoreductase or complex III I phytopathogenic fungal orgaisms.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)**	**25/03/2002**
		(21)	**0293/2002**
		(44)	**January 2004**
		(45)	**24/04/2004**
		(11)	**23128**

(51)	**Int. Cl.[7]** **C11D 3/37, 1/82, 17/00**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. LAURA CERMENATI** **2. VINCENZO TOMARCHIO** **3. MARIA PAPADAKI**
(73)	**1.** **2.**
(30)	**1. (EP) 01870063/3 – 26/03/2001** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) COMPOSITION FOR CLEANING A SURFACE

Patent Period Started in 25/03/2002 and Ends in 24/03/2022

(57) The present invention encompasses a solid or thickened composition, suitable for cleaning a surface, comprising a polymer, wherein said composition is capable of increasing the hydrophobicity of said surface, to provide a contact angle between water and said surface of between 30^0 and $55^0$for at least 5 rinse-dry cycles.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)**	**26/05/2002**
		(21)	**0562/2002**
		(44)	**January 2004**
		(45)	**24/04/2004**
		(11)	**23129**

(51)	**Int. Cl.**[7]	**C11D 1/22**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. KEVIN L. KOTT** **2. JEFFREY J. SCHEIBEL** **3. ROLAND G. SEVERSON**	**4· THOMAS A. CRIPE** **5· JAMES C. LAURENT** **6· THOMAS W. FEDERLE**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)	**HODA AHMED ABDEL HADI**	
(12)		**Patent**

(54) LAUNDRY DETERGENTS COMPRISING MODIFIED AND ENHANCED ALKYLBENZENE SULFONATES

Patent Period Started in 26/05/2002 and Ends in 25/05/2022

(57) Surfactant mixtures, improved detergent and cleaning products containing particular types of alkybenzene sulfonate surfactants.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/05/2002** **0572/2002** **January 2004** **24/04/2004** **23130**

(51)	**Int. Cl.[7]** **A61L 2/08 & A23L 3/26 & G21K 5/08**
(71)	**1. SUREBEAM CORPORATION (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. DENNIS G. OLSON** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 09/872,441 – 01/06/2001** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54) SYSTEM FOR & METHOD OF, IRRADIATING ARTICLES

Patent Period Started in 29/05/2002 and Ends in 28/05/2022

(57) An article has irregular characteristics such as an irregular geometrical configuration. Radiation from a radiation source is directed in a particular direction toward the article. The radiation energy passing from the source to the article at different positions in the article is absorbed in accordance with the irregularities in the characteristics of the article at the different positions to maintain the radiant energy at the different positions in the article within particular limits. For irregularities of a geometrical configuration in the article, the absorption may be provided by a fixture having a geometrical configuration which constitutes the difference at every position between a substantially constant value and the geometrical configuration of the article at this position. The absorption may be provided by conveying the article and the fixture past the radiation source in a direction substantially perpendicular to the particular direction.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 12/06/2002** **(21) 0655/2002** **(44) January 2004** **(45) 24/04/2004** **(11) 23131**

(51)	**Int. Cl.[7]**	**A47K 10/42 & C09D 11/10 & B41M 7/00**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. VINCENZO TOMARCHIO** **2. ANDREA PICCINI** **3. ANTHONY REYNOLDS**	**4· NICOLAS R. POHART**
(73)	**1.** **2.**	
(30)	**1. (EP) 01870128,4 – 13/06/2001** **2.** **3.**	
(74)	**HODA AHMED ABDEL HADI**	
(12)		**Patent**

(54) PRINTED WET WIPES

Patent Period Started in 12/06/12002 and Ends in 11/06/2022

(57) The present invention relates to a printed wet wipe comprising a flexible sheet like substrate to which has been applied an aqueous or non-aqueous composition and printed with a non-aqueous or aqueous ink, respectively. The present invention also relates to a stack of said printed wet wipes and the use of said inks in the manufacture of printed wipes.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)**	**09/10/2002**
		(21)	**1104/2002**
		(44)	**January 2004**
		(45)	**24/04/2004**
		(11)	**23132**

(51)	**Int. Cl.**[7]	**C07C 45/78**
(71)	**1. PFIZER PRODUCTS INC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. LAURENT BERGER** **2. RAPHAEL DUVAL** **3. PHILIPPE TAILLASSON**	**4· INGO WEBER**
(73)	**1.** **2.**	
(30)	**1. (US) 60/335,429 – 31/10/2001** **2.** **3.**	
(74)	**HODA AHMED ABDEL HADI**	
(12)		**Patent**

(54) PROCESS FOR THE PREPARATION OF OPTICALLY PURE OR ENRICHED RACEMIC TETRALONE

Patent Period Started in 09/10/2002 and Ends in 08/10/2022

(57) A process for producing substantially optically pure sertraline utilizes chromatographic separation on a solid stationary chiral phase of spherical clay particles having an interlayer containing an optically pure metal-organic complex, and a liquid mobile phase preferably containing at least methyl acetate. The liquid mobile phase is preferably free of acetonitrile. The process is operable at temperatures above 40^{o} C.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/08/2002** **0977/2002** **January 2004** **27/04/2004** **23133**

(51)	**Int. Cl.[7]** **A24B 15/16, 15/14**
(71)	**1. BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED (UNITED KINGDOM)** **2.** **3.**
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(73)	**1.** **2.**
(30)	**1. (GB) 0121240,6 – 01/09/2001 & 0121620,9 – 07/09/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) IMPROVEMENTS RELATING TO SMOKING ARTICLES AND SMOKABLE FILLER MATERIALS THEREFOR

Patent Period Started in 31/08/2002 and Ends in 30/08/2022

(57) This invention relates to a smoking article having a controllable static burn rate by virtue of the particle size of a component of the smoking material thereof. The smoking material comprises a non-combustible inorganic filler, a binder, aerosol generating means, the non- combustible filler comprising a proportion of material having a mean particle size in the range of 500 um to 20 um.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/05/2002** **0521/2002** **January 2004** **27/04/2004** **23134**

(51)	**Int. Cl.[7]** **F16M 1/00**
(71)	**1. FRANCOIS L'HOTEL (FRANCE)** **2.** **3.**
(72)	**1. FRANCOIS L'HOTEL** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 0106569 – 18/05/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) INFORMATION DISPLAY UNIT SUPPORT HAVING AT LEAST ONE PRESENTATION FACE

Patent Period Started in 18/05/2002 and Ends in 17/05/2022

(57) The support comprises at least one sheet of a substantially rigid and foldable material having the presentation face, stressing means for bending the presentation face of the sheet and means for keeping the presentation face of the sheet in the bent state, which holding means oppose the stressing means. The holding means opposing the stressing means for keeping the presentation face of the sheet bent are designed so that their action is exerted at discreet points distributed along the presentation face of the sheet by a plurality of strips.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/03/2002** **0234/2002** **January 2004** **27/04/2004** **23135**

(51)	**Int. Cl.[7]** **E21B 7/18 & B24C 5/00**
(71)	**1. SHELL INTERNATIONALE RESEARCH MAATSHAPPIJ BV (NETHERLANDS)** **2.** **3.**
(72)	**1. JAN J. BLANGE** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 01302047,4 – 06/03/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) JET CUTTING DEVICE WITH DEFLECTOR

Patent Period Started in 04/03/2002 and Ends in 03/03/2022

(57) A jet cutting device comprising a cutter head provided with at least one nozzle for ejecting a stream of fluid against a body so as to create a selected cut in said body, is disclosed. For each nozzle, the cutter head is provided with a deflector having a deflection surface arranged to deflect the stream of fluid ejected by the nozzle into a selected direction in accordance with the position of said cut to be created.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 17/04/2002** **(21) 0396/2002** **(44) January 2004** **(45) 27/04/2004** **(11) 23136**

(51)	**Int. Cl.[7]** **B01D 33/03**
(71)	**1. M-1 LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. GARY FOUT** **2. ROGER SUTER** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 09/836,974 – 18/04/2004** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) FLOW DIVERTER AND EXHAUST BLOWER FOR VIBRATING SCREEN SEPARATOR ASSEMBLY

Patent Period Started in 17/04/2002 and Ends in 16/04/2022

(57) A flow diverted and a vacuum blower for vibrating screen separator assembly. The flow diverted decelerates and increases the exposed surface of materials. The exhaust blower removes vapors from the materials.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)**	**03/08/2002**
		(21)	**0870/2002**
		(44)	**January 2004**
		(45)	**27/04/2004**
		(11)	**23137**

(51)	**Int. Cl.[7]** **A24D 3/04**
(71)	**1. BROWN&WILLIAMSON TOBACCO CORPORATION(UNITED STATES OF AMERICA** **2.** **3.**
(72)	**1. JAMES N. FIGLAR** **2. BRIAN E.TUCKER** **3. F. K. CHARLES**
(73)	**1.** **2.**
(30)	**1. (US) 60/309,388-01/08/2001 & 60/309,435-01/08/2001 & 10/011841-30/10/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**CIGARETTE FILTER**
	Patent Period Started in 03/08/2002 and Ends in 02/08/2022

(57) A cigarette filer that includes a multiple section filter which reduces the level of predetermined smoke constituents. The filter consists of a fibrous filter plug located at the mouth- end of the cigarette, a aection containing a selective adsorbent material, and a section containing a general adsorbent material. The selective adsorbent material, such as phenol-formaldehyde resin matrix surface-functionalized with mainly primary and secondary amine functional groups, removes specific smoke constituents from the tobacco smoke. The general adsorbent material, such as activated charcoal, is preferably capable of adsorbing a range of chemical compounds without a high degree of specificity. Structurally, the fibrous filter plug, the selective adsorbent section, and the general adsorbent section are co-axially aligned in tandem.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/07/2000** **0968/2000** **January 2004** **27/04/2004** **23138**

(51)	**Int. Cl.[7]** **C02F 9/12, 9/14**
(71)	**1. NOPA LTD (IRELAND)** **2.** **3.**
(72)	**1. REINHART VON NORDENSKJOLD** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 99115262,0 – 02/08/1999** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESS FOR THE TREATMENT OF WATER FOR AN AT LEAST PARTIALLY CLOSED WATER CYCLE

Patent Period Started in 29/07/2000 and Ends in 28/07/2020

(57) Process for the treatment of water for an at least partially closed water purification and water reclaim cycle, which comprises three successively interconnected and coordinated purification steps I to III, wherein wastewater from at least one, preferably from three different types of users, such as agricultural, horticultural, household, industry, and the like is fed into a water treatment plant, which comprises apparatus for water withdrawal and the wastewater.

- in a first biological purification step I is mechanically pretreated, solely biologically purified and/or biologically sanitized, thus yielding water of such a quality that is at least suitable for use in agriculture, horticulture and/or as water for fire-fighting;
- in a second purification step II, in which the water of purification step I after biological P and N removal, is purified by means of a filter or filters for removing suspended matter and particles by filtration, preferably by using active root space filter(s) and/or a combination of active root space filter(s) and sand filters, thus yielding water of such a quality that it is at least suitable for flushing toilets; and
- in a third purification step III in which the water, having gone through purification steps I and II, is residuary sanitized and/or is micro-filtered by means of an ultra filtration step, for example ultra-violet radiation, ultra filtration, low-pressure ultra filtration and/or the addition of chemical substances, thus yielding water of such a quality that it is at least suitable for domestic purposes, such as bath water, whereby the water to be purified can pass through the purification steps, I, II and/or several times; and whereby water of purification steps I,II and/or III is transported to the user for reuse, after which it is returned to the water cycle for treatment, and whereby water that has been drawn off from the water cycle, for example for agricultural irrigation, and has not been recalculated to the water cycle, is replaced with fresh water whose quality is better than that originally fed into purification step I, preferably better than that originally fed into purification step II and most preferably with water of potable quality.
-

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**02/01/2002** **0009/2002** **January 2004** **27/04/2004** **23139**

(51)	**Int. Cl.[7]** **B01J 8/02 & F28D 9/00 & F28F 9/00**
(71)	**1. METHANOL CASALE S.A. (SWITZERLAND)** **2.** **3.**
(72)	**1. ERMANNO FILIPPI** **2. ENRICO RIZZI** **3. MIRCO TAROZZO**
(73)	**1.** **2.**
(30)	**1. (EP) 01100363.9 – 05/01/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PSEUDO ISOTHERMAL CATALYTIC REACTOR FOR EXOTHERMIC OR ENDOTHERMIC HETEROGENEOUS CHEMICAL REACTIONS

Patent Period Started in 02/01/2002 and Ends in 01/01/2022

(57) Heat exchange unit for pseudo-isothermal reactors including a substantially cylindrical shell closed at its opposite ends by respective bottoms, at least one thereof is provided with at least one manhole opening of predetermined dimensions, a reaction zone inside the shell in order to contain a catalytic bed, comprising at least two modular and assembly heat exchangers having predetermined cross dimensions smaller than those of the manhole opening each heat exchanger comprising at least one heat exchange element .

Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology
Technology Development and Scientific Services Sector

PATENTS' ABSTRACTS

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(51)	**Int. Cl.[7]** **C08B 3/06 & C08L 97/02 , 9/00**
(71)	**1. Dr. AGHAREED M. TAYEB (EGYPT)** **2.** **3.**
(72)	**1. Dr. AGHAREED M. TAYEB** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) NATURAL PLASTIC FROM COTTON LINTER

Patent Period Started in 19/11/2000 and Ends in 18/11/2020

(57) The patent concerned here deals with the production of a biodegradable plastic from cotton linter . The plastic meant here is cellulose acetate and it is obtained by allowing the cellulose of the cotton linter to react chemically with acetic anhydride and acetic acid . Some types of residues, sucl as cotton linter which is produced in the oil extraction and cotton ginning companies, are mainly pure cellulose and accessible for the reaction with acetic acid and acetic anhydride. Other types contain some lignin holding the cellulose fibers and should be pre-treated with dilute sulfuric acid to dissolve the lignin and free the cellulose. The product of the reaction is a viscous material of cellulose acetate with excess acid. The product is separated in a centrifuge, washed with water and centrifuged again . A plasticizer is added to the material to develop its mechanical properties and improve its workability. A solvent (Acetone) is also added to reduce the viscosity of the product for easier shaping . However, a type of ground cellulose, such as dextrin could be added instead as a plasticizer and in this case the plastic produced will have a higher degree of biodegradability. The product is shaped by molding , injection or spread as thim films. The final product is dried to remove the solvent and the product is then for use.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/12/2001** **1355/2001** **February2004** **15/05/2004** **23141**

(51)	**Int. Cl.[7]** **G07F 7/08**
(71)	**1. KALEKALIP MAKINA VE KALIP SANAYI ANONIM SIRKETI (TURKEY)** **2.** **3.**
(72)	**1. ZAFER AKAY** **2. FERHAT DERELI** **3.**
(73)	**1.** **2.**
(30)	**1. (TR) A2000/03840 – 21/12/2000** **2.** **3.**
(74)	**MAGDA SHEHATA HAROUN , NADIA SHEHATA HAROUN**
(12)	**Patent**

(54) PREPAID ELECTRONIC GASMETER

Patent Period Started in 22/12/2001 and Ends in 21/12/2021

(57) The invention relates to prepaid gas meter containing a mechanical meter capable to volumetrically measure the gas flow by the diaphragms that are present in the mer body a mechanical valve that consists of various parts manufactured from various materials that carry out the functions of a body motion transfer and seal: and a electronic module that receives signals from the counture mechanisms o the mechanical meter by optic sensors. That electronically calculates the gas amount. That restricts the gas consumption as to the amount that was prepaid by the intelligent card, and that produces decisions to cut the gas flow if necessary and displays reports on the LCD screen.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/06/2002** **0736/2002** **February 2004** **16/05/2004** **23142**

(51)	**Int. Cl.[7]** **A47G 23/08 & A47J 47/16**
(71)	**1. WMF WUERTTEMBERG ISCE METALLWAREN FABRIK AG (GERMANY)** **2.** **3.**
(72)	**1. CAROLINE SCHAFER** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 01116229,4 – 04/07/2001** **2.** **3.**
(74)	**GEORGE AZZIZ ABDEL MALEK**
(12)	**Patent**

(54)	**TABLE TOP**
	Patent Period Started in 26/02/2002 and Ends in 25/06/2022

(57) The abstract in English Language (Not more than 100 ord)

Described is a table top which is particularly suited for a buffet ad which is better adapted to the requirements of a buffet . To this end the table top comprises at least one carrier and a plurality of different food containers which are exchangeable arranged on the carrier via first and second, detachably interengaging connection elements.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/12/2001** **1298/2001** **February 2004** **17/05/2004** **23143**

(51)	**Int. Cl.[7]** **B42D 3/06 , 3/00**
(71)	**1. UNIBIND (CYPRUS) LIMITED (CYPRUS)** **2.** **3.**
(72)	**1. GUIDO PELEMAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (BE) 0776/2000 – 07/12/2000** **2.** **3.**
(74)	**SOHEIR MIKHAEL RIZK – SAMIA MIKHAEL RIZK – SALWA MIKHAEL RIZK**
(12)	**Patent**

(54) END LEAF AND BINDING ELEMENT CONTAINING SUCH AN END LEAF

Patent Period Started in 04/12/2001 and Ends in 03/12/2021

(57) End leaf of the type which is meant to be used in combination with binding means with which a bundle of loose leaves can be bound , characterized in that the end leaf at least consists of a leaf made of synthetic material and a strip – shaped part firmly attached to an end of said leaf which is suppler than the above- mentioned leaf.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/06/2002** **0575/2002** **February 2004** **18/05/2004** **23144**

(51)	**Int. Cl.[7]**	**A61F 13/00**
(71)	**1. KIMBERLY – CLARK WORLDWIDE INC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. RONALD L. EDENS** **2. JAMES J. HLABAN** **3. LAURA J. KEELY** **4. THOMAS P. KEENAN** **5. SYLVIA B. LITTLE**	**6. MARY L. MCDANIEL** **7. STEPHEN L. NUNN** **8. WILLIAM G. REEVES** **9. HEATHER A. SOREBO** **10. SUSAN M. WKYENBERG**
(73)	**1.** **2.**	
(30)	**1. (US) 60/297,001 – 08/06/2001 & 10/036,981 – 31/12/2001 & 10/038,970 – 31/12/2001** **2.** **3.**	
(74)	**HODA ANIS SERAG ELDIN**	
(12)	**Patent**	

(54) LABIAL PAD HAVING A TAB

Patent Period Started in 01/06/2002 and Ends in 31/05/2022

(57) An absorbent article such as a labial pad configured for disposition within the vestibule of a female wearer. The labial pad may be worn by females for catamenial purposes, incontinence protection, or both, and has at least one tab extending from the periphery thereof.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/09/2001** **1010/2001** **February 2004** **18/05/2004** **23145**

(51)	**Int. Cl.[7]** **A61G 9/00**
(71)	**1. KIMBERLY – CLARK WORLDWIDE INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MARYANN ZUNKER** **2. HERB F. VELAZQUEZ** **3. DONALD J. SANDERS**
(73)	**1.** **2.**
(30)	**1. (US) 09/675458 – 28/09/2000** **2.** **3.**
(74)	**HODA ANIS SERAG ELDIN**
(12)	**Patent**

(54)	**INCONTINENCE INSERT APPLICATORS AND METHODS FOR THEIR USE**
	Patent Period Started in 26/09/2001 and Ends in 25/09/2021

(57) Incontinence insert applicators for placing insert members within a vagina for reducing the occurrence and/or severity of female of female incontinence. The insert applicator has a non-circular cross- section for maximizing the available space for the insert, while also facilitating insertion of the applicator into the vagina. The applicators have orientation indicators to allow the user to properly orientate the inserts within the vagina .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/07/2002** **0816/2002** **February 2004** **18/05/2004** **23146**

(51)	**Int. Cl.[7]** **G08G 63/20 , 63/68 & C08L 67/02**
(71)	**1. E.I. DU PONT DE NEMOURS AND COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JIWEN F. DUAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 09/907050 – 17/07/2001** **2.** **3.**
(74)	**HODA ANIS SERAG ELDIN**
(12)	**Patent**

(54) TEMPORARILY CROSSLINKED POLYESTER POLYMERS

Patent Period Started in 17/07/2002 and Ends in 16/07/2022

(57) A process for increasing the pill resistance of a polyester polymer wherein the polyester polymer is produced by polymerizing a polymerization mixture comprising a carbonyl compound or an oligomer of the carbonyl compound and a glycol. The process comprises contacting the polymerization mixture with a cross- linker comprising $(RO)_m$ Si $(x)_n z_p$ wherein : R is hydrogen , a hydrocarbon, or a hydrocarbon oxygen ; X is a hydrocarbon or a hydrocarbon oxygen ; Z is a hydrophilic group ; m is 1 to 3; n is 1 to 3; and p is 1 to 30 .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/02/2002** **0156/2002** **February 2004** **22/05/2004** **23147**

(51)	**Int. Cl.[7]** **E05B 19/06, 27/04**
(71)	**1. MEDECO SECURITY LOCKS INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. PETER H. FIELD** **2. ANDY E. PERKINS** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 09/981,801 – 19/10/2001** **2. 09/776,929 – 06/02/2001** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) ROTATING PIN TUMBLER SIDE BAR LOCK WITH SIDE BAR CONTROL

Patent Period Started in 06/02/2002 and Ends in 05/02/2022

(57) A twisting tumbler lock with a side bar is provided with additional levels of security by a axially reciprocable slider which is normally positioned to block operation of the side bar but is moved by a specially configured key to free operation of the side bar. This provides a third level of locking security, it also allows master keying . The unique key has a portion of a rib formed to cooperate with the slider to further allow key control.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/02/2002** **0174/2002** **February 2004** **22/05/2004** **23148**

(51)	**Int. Cl.[7]** **B65D 39/04**
(71)	**1. MEDICAL INSTILL TECHNOLOGIES INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. DANIEL PY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 09/781,846 – 12/02/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) MEDICAMENT VIAL HAVING A HEAT-SEALABLE CAP, AND APPARATUS AND METHOD FOR FILING THE VIAL

Patent Period Started in 12/02/2002 and Ends in 11/02/2022

(57) A resealable cap (110,210) for a medicament vial (114,214) has a base portion (112,212) formed of vulcanized rubber or like material known for providing a stable environment for the medicament contained within the vial, and a resealable portion (126,226) overlying the bases portion. The resealable portion (126,226) is made of low-density polyethylene or like material, and can be punctured by a needle or like injection member (140,282) for dispensing medicament into the vial (114,214) . Prior to filling, the cap (110,210) is assembled to the vial (114,214) and the cap/vial assembly is sterilized. Then,a needle (140,282) is inserted through the cap (110,210) and medicament is introduced through the needle and into the vial. Upon withdrawal of the needle (140,282), the penetrated region of the cap (248) is fused by laser (276) or direct heat sealing (264) to hermetically seal the needle hole (294) in the cap.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/04/2002** **0384/2002** **February 2004** **22/05/2004** **23149**

(51)	**Int. Cl.[7]** **B05B 7/04, 7/10**
(71)	**1. UREA CASALE SA (SWITZERLAND)** **2.** **3.**
(72)	**1. GIANFRANCO BEDETTI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 01109204,6 – 13/04/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) GRANULATION APPARATUS WITH LIQUID BASIN

Patent Period Started in 13/04/2002 and Ends in 12/04/2022

(57) A nozzle for distributor devices of granule,s growth liquid substance in fluid bed granulators, is distinguished by the fact that it comprises a first duct, with substantially rectilinear axis and with a predetermined diameler, which duct has an end portion including a supply opening and made of at least two subsequent segments, a first cone-shaped segment converging on the axis and a further cone-shaped segment diverging from the axis and ending in the supply opening a second duct extending co-axially inside the first duct, with which it forms an annular space , the second duct having a supply end extended inside the first cone-shaped segment of the first duct .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/06/2002** **0743/2002** **February 2004** **22/05/2004** **32150**

(51)	**Int. Cl.[7]** **C07K 1/18, 14/555 , 14/76**
(71)	**1. ALFA WASSERMANN SPA (ITALY)** **2.** **3.**
(72)	**1. LUCIA SCAPOL** **2. GIUSEPPE C. VISCOMI** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) (BO 2001 A000426) – 06/07/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) PROCESS FOR THE PURIFICATION OF PHARMACOLOGICALLY ACTIVE PROTEINS THROUGH CATIONIC EXCHANGE CHROMATOGRAPHY

Patent Period Started in 29/06/2002 and Ends in 28/06/2022

(57) The object of the invention is a process for the purification of pharmacologically active proteins based on the use of the cationic exchange chromatography on a solid matrix carried out at a more basic pH.i.e. higher. In respect of the pH corresponding to the isoelectric point pI. of the proteins to be purified , pH at which however said protein still remain absorbed.

Buffer solutions with values of pH and of ionic strength adjusted from time to the kind of pharmacologically active protein to be purified are used in order to get such a result.

The process is mainly addressed to the purification of the interferon and albumin proteins.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/03/2000** **0266/2000** **February 2004** **22/05/2004** **23151**

(51)	**Int. Cl.[7]** **H05B 41/04**
(71)	**1. ALI ABD ELHALEM MOHAMED ABOUZAID (EGYPT)** **2.** **3.**
(72)	**1. ALI ABD ELHALEM MOHAMED ABOUZAID** **2.** **3.**
(73)	**1. THE EGYPTIAN COMPANY FOR HIGH TEC INDUSTRIES (WIFER) C.S.E (EGYPT)** **2.**
(30)	**1.** **2.** **3.**
(74)	**KHALED SAID ELSAYED**
(12)	**Patent**

(54)	**SONA LIGHT TO LIGHT THE GOOD OR BAD FLURACENT TUBE**
	Patent Period Started in 04/03/2000 and Ends in 03/03/2020

(57) Sona light is a set using for light the fluracent lamp. Burned one without the known starter or a shook coil . It ionize the gaz inside the directly without the flames.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/03/2001** **0323/2001** **February 2004** **23/05/2004** **23152**

(51)	**Int. Cl.[7]** **B60C 17/00, 15/05 & B29D 30/10**
(71)	**1. PIRELLI PNEUMATICI SPA (ITALY)** **2.** **3.**
(72)	**1. RENATO CARETTA** **2. PIERANGELO MISANI** **3. LUCA FRISIANI**
(73)	**1.** **2.**
(30)	**1. (EP) 00830242-4 – 31/03/2000** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54)	**SELF-SUPPORTING TYRE FOR VEHICLE WHEELS, AND METHOD FOR MANUFACTURING THE SAME**
	Patent Period Started in 31/03/2001 and Ends in 30/03/2021

(57) In a self-supporting tyre, the carcass plies are each made through sequential deposition of strip-like lengths circumferentially distributed on a toroidal support. Resilient stiffening inserts are interposed between the side portions of axially inner lengths, axially outer lengths and possible axially intermediate lengths . In this way a sort of partly open container is created around at least one of the stiffening inserts, the opening degree of which can be regulated depending on requirements, by modifying the solid space/void space ratio determined by the distance existing between the side portions of the strip-like lengths coating each of the axially opposite sides of the stiffening itself.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/04/2001** **0339/2001** **February 2004** **23/05/2004** **23153**

(51)	**Int. Cl.[7]** **B65D 37/00**
(71)	**1. COLGATE PALMOLIVE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ISSAC ZAKSENBERG** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 09/543,797 – 06/04/2000** **2.** **3.**
(74)	**HODA AHMED ABDEL HADI**
(12)	**Patent**

(54)	**CONTAINER WITH FORMED MEMORY VALVE**
	Patent Period Started in 04/04/2001 and Ends in 03/04/2021

(57) The container has a varied sized substance body chamber with a channel at an exit end. This channel is sealed by a breakaway tab at an end distant form the chamber. Within the channel is a positive seal valve that can reseal the container after it has initially been opened. This valve is comprised of an upper wall of the channel being in a close contact with the lower wall. The lower wall usually will have a concave shape, with the upper wall contacting the lower wall with a mating convex shape . However this is not required with the channel having many differing shapes and dimensions. This valve can be separated from the substance holding body chamber by a portion of the channel, can be at the junction of the storing chamber and channel or can be at the junction of the exit of the channel. When a compressive pressure is applied to the substance holding chamber, the substance flown down the channel to the valve. When the liquid pressure reaches a given level, the concave upper wall of the valve moves out of contact with the convex lower wall and some of the substance is dispensed. Upon the cessation of pressure the convex and concave portions come back into contact to cut off the flow of the substance. This valve produces a positive seal which provides a positive seal for the thermoformed container.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/10/2004** **1101/2004** **February 2004** **23/05/2004** **23154**

(51)	**Int. Cl.[7] B41K 1/10, 1/12**
(71)	**1. KABUSHIKI KAISHA SATO (JAPAN)** **2.** **3.**
(72)	**1. TADAO KASHIWABA** **2. TADASHI SASAKI** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 317348/2000-18/10/2000 & 317350/2000-18/10/2000 &** **2. 317352/2000-18/10/2000 & 317355/2000-18/10/2000** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) DEVICE FOR SELECTING PRINT CHARACTERS OF ENDLESS PRINTING BANDS IN A PRINTER AND PRINTER WITH ENDLESS PRINTING BANDS

Patent Period Started in 17/10/2001 and Ends in 16/10/2021

(57) (Problem) To provide a device for selecting print characters of endless printing bands in a printer that, when restricting the rotation of endless printing bands for preventing fouling of display characters can avoid excessive rotational force from acting on the endless printing bands themselves and enable selection of desired print characters in cases where, for example, the endless printing band is for full-periphery printing or half-periphery printing.

(Means for Solving the Problem) Focusing on the fact that both half-periphery printing capability and full-periphery printing capability can be implemented by providing regulating blocks capable of rotation as print pressure bearing members, the device is characterized in that selection of print characters is restricted by engagement of drive projections of an endless printing band and an elastic section selection of a movable stopper member and that, in the case where no drive no drive projection engages with the elastic section selection of print character is made possible and a regulating block receives the print pressure on the print character.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 19/01/2002** **(21) 0061/2002** **(44) February 2004** **(45) 23/05/2004** **(11) 23155**

(51)	**Int. Cl.[7]** **F04B 17/00**
(71)	**1. MUNTERS CORPORATION (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JAMES M. CHOWANIEC** **2. LARRY E. DRUMMOND** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/262,393-19/01/2001 & 10-046,168-16/01/2002** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) HIGH PRESSURE WATER PUMP

Patent Period Started in 19/01/2002 and Ends in 18/01/2022

(57) A high-pressure water pump for supplying high pressure water for atomization in the inlet stream of a gas turbine is disclosed which includes at least one hydraulic cylinder containing a piston secured to a piston rod extending from the hydraulic cylinder and defining within the hydraulic cylinder first and second hydraulic chambers on opposite sides thereof, hydraulic oil pump and solenoid valve for selectively supplying oil under high pressure alternately to said hydraulic chambers while releasing oil from the opposite chamber thereby to reciprocate said piston rod, and at least one water cylinder including a housing and a piston therein secured to the piston rod for movement therewith and defining at least one fluid chamber in the cylinder on the side of thereof opposite the piston rod; and check valves in fluid communication with said fluid chamber for allowing water to enter the chamber from a water source when the piston in the water cylinder is moved by the hydraulic cylinder in a direction which enlarges the volume of the fluid chamber and forces water from the fluid chamber at high pressure, while shutting off the supply of water to the chamber, when the piston in the water cylinder is moved by the hydraulic cylinder in a direction that decreases the volume of said fluid chamber.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 16/03/2002** **(21) 0272/2002** **(44) February 2004** **(45) 23/05/2004** **(11) 23156**

(51)	**Int. Cl.[7]** **B02C 17/20**
(71)	**1. CAMBIER BENJAMIN (FRANCE)** **2.** **3.**
(72)	**1. CAMBIER BENJAMIN** **2.** **3.**
(73)	**1. CTIBM (FRANCE)** **2.**
(30)	**1.** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) CORPS BROYANT PRESENTANT DES PORTIONS DES PORTIONS CONCAVES

Patent Period Started in 16/03/2002 and Ends in 15/03/2022

(57) The present invention relates to a grinder body of the spherical type inscribed in a sphere of radius and including concave portions disposed in such a manner as to avoid altering the center of gravity of the sphere. In characteristic manner of the invention, the maximum depth of the concave portions lies substantially in the range $1/12^{th}$ to$1/18^{th}$ of the radius of said sphere. The present invention also provides a method of grinding that implements the grinder body of the invention, and a ball mill containing a grinding mass that includes grinder bodies of the invention.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 22/06/2002** **(21) 0704/2002** **(44) February 2004** **(45) 23/05/2004** **(11) 23157**

(51)	**Int. Cl.[7]**	**C11D 11/00, 3/00 & D06L 1/04**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. JOHN C. DEAK** **2. JOHN C. HAUGHT** **3. JOSEPH M. LADD**	**4· JOHN C. SEVERNS** **5· CHRISTAAIN A. THOEN** **6· JEROME H. COLLINS**
(73)	**1.** **2.**	
(30)	**1. (US) 60/300,116-22/06/2022** **2.** **3.**	
(74)	**SAMAR AHMED EL. LABBAD**	
(12)		**Patent**

(54) FABRIC CARE COMPOSITIONS FOR LIPOPHILIC FLUID SYSTEMS

Patent Period Started in 22/06/2002 and Ends in 21/06/2022

(57) Compositions for treating fabric articles, especially articles of clothing, linens and drapery, wherein the compositions provide improved cleaning of soils from and/or care of and/or treatment of fabric articles, especially while providing superior garment care for articles sensitive to water as compared to conventional fabric article treating compositions, are provided.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 03/09/2002** **(21) 0986/2002** **(44) February 2004** **(45) 23/05/2004** **(11) 23158**

(51)	**Int. Cl.[7] B28B 21/84**
(71)	**1. ALEXANDER A. GRAEVENITZ (RUSSIA)** **2.** **3.**
(72)	**1. ALEXANDER A. GRAEVENITZ** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (SU) 2001125368-05/09/2001** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) STRUCTUCAL MEMBER METHOD AND INSTALLATION FOR PRODUCING SAME

Patent Period Started in 03/09/2002 and Ends in 02/09/2022

(57) The invention relates to a structural member made of a hardenable composition and fibres and to a method and an installation for producing same. The structural member is composed of a hardenable composition and fibres, characterized in that it is made in the form of a box section, said section having rounded opposite faces, said structural member comprising a layer of a light thermal- and/or sound-insulating and structure-forming material, such as polyurethane foam, between the layers of the hardenable composition and fibres. The method comprises applying at least one layer of hardenable composition and one layer of fibres onto a rotating mandrel with repeating the above steps while applying the successive layers, drying and removing the end product from the mandrel.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 09/09/2002** **(21) 1004/2002** **(44) February 2004** **(45) 23/05/2004** **(11) 23159**

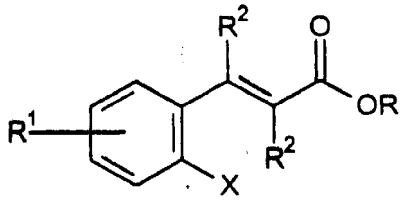
(51)	**Int. Cl.[7] C11D 3/50 & A61K 7/32 & C07C 229/44**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ROBERT R. DYKSTRA** **2. LON M. GRAY** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/318,662-11/09/2001** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) COMPOSITIONS COMPRISING PHOTO-LABILE PERFUME DELIVERY SYSTEMS

Patent Period Started in 09/09/2002 and Ends in 08/09/2022

(57) The present invention relates to photo-labile pro-fragrances, as well as a fragrance raw material delivery system comprising:

i) from about 0.001% to about 100% by weight, of a photo-labile pro fragrance compound having the formula :



wherein OR is a unit derived from a fragrance raw material alcohol, HOR; R^1 is one or more electron donating groups; each R^2 is independently hydrogen, C_1-C_{12} alkyl, and mixtures thereof; X is selected from the group consisting of –OH,- NH_2,NHR^3 and mixtures thereof, R^3 is hydrogen, C_1-C_{12} linear or branched alkyl, C_8-C_{10} aryl, and mixtures thereof; and

ii) optionally from about 0.001% to about 50% by weight, of one or more fragrance raw materials

.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 19/10/2002** **(21) 1144/2002** **(44) February 2004** **(45) 23/05/2004** **(11) 23160**

(51)	**Int. Cl.[7]** **C08F 20/04**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MARK R. SIVIK** **2. ROBB R. GARDNER** **3. WILLIAM M. SCHEPER**
(73)	**1.** **2.**
(30)	**1. (US) 60/330,351-18/10/2001** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) PROCESS FOR THE MANUFACTURE OF POLYCARBOXYLIC ACIDS USING PHOSPHOROUS CONTAINING REDUCING AGENTS

Patent Period Started in 19/10/2002 and Ends in 18/10/2022

(57) A method for the production of polycarbxylic acids is provided via the present invention. The novel method herein comprises the steps of i) mixing a phosphorous containing reducing agent with at least one carboxylic acid monomer to form a reaction mixture; ii) adding an equivalent of base to the reaction mixture to provide a partially neutralized reaction mixture; and iii) adding a free radical generator to the partially neutralized reaction mixture under polymerization conditions to form a phospho/carboxylic acid polymer containing solution. Preferred monomers, reducing agents and free radical generators are also disclosed.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 11/03/2000** **(21) 0315/2000** **(44) January 2004** **(45) 30/05/2004** **(11) 23161**

(51)	**Int. Cl.[7] B61K 7/16**
(71)	**1. Mr. MAGDY MOUSTAFA MAHMOUD (EGYPT)** **2.** **3.**
(72)	**1. Mr. MAGDY MOUSTAFA MAHMOUD** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**STOPER**
	Patent Period Started in 11/03/2000 and Ends in 10/03/2020

(57) In some traffic ambushes, the traffic department has a simple system, which is manually operated and is made of a wooden or a steel square plate to cause the immobilization of the vehicles which do not follow the policeman order to stop. Such method is not enough effective. Therefore, I developed a system, which can be automatically operated by a push button. It consists of the following:

In normal mode, the set woks safely as an artificial bump on which vehicles can easily pass on after being inspected by the policeman.

In case of any of the vehicles would attempt to run away, the policeman can easily activate the system by pushing a button then nails protrude automatically and punch the vehicle tires. The system can operate on 220AC single – phase utility voltage. Alternatively, DC system can be furnished upon request.