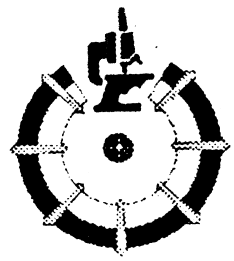
Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology



PATENT'S ABSTRACTS

Egyptian Patent Office

Issue No 104 January 2005

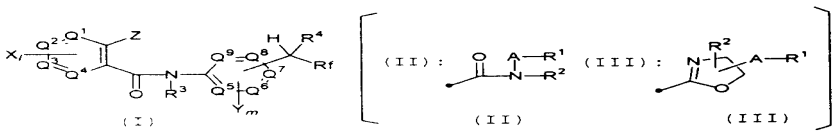
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/05/2002** **0493/2002** **July 2004** **01/12/2004** **23318**

(51)	**Int. Cl.[7]**	**A01N 37/18, 43/832 & C07C 317/04 , 323/66**
(71)	**1.** **2.** **3.**	**NIHON NOHYAKU COMPANY LTD (JAPAN)**
(72)	**1. MAKOTO GOTO** **2. HAYAMI NAKAO** **3. HIROTO HARAYAMA** **4. MINORU YOMAGUCHI**	**5. TAKASHI FURUYA** **6. MASANORI TOHNISHI** **7. MASAYUKI MORIMOTO** **8. SHINSUKE FUJIOKA**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	**(JP) 149365 – 18/05/2001**
(74)		**MOHAMED MOHAMED BAKIER**
(12)		**Patent**

(54) SUBSTITUTED AROMATIC AMIDE DERIVATIVE , INTERMEDIATE THEREOF AGROHORTICULTURAL INSECTICIDE CONTAINING THEREOF AND METHOD FOR THE USE THEREOF

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

(57) The present invention provides a substituted anilide, derivative of formula (f) :



Wherein z is a group of formula (II) or (III) (in these formulas, A is $C_1 – C_6$ alkylene, $C_2 – C_6$ alkenylene, etc., R^1 is H, halogen , - C (R^5) = NOR^6 , (substituted) phenyl, (substituted) heterocyclic ring , - $A^1 – R^7$, etc., R^2 is H, $C_1 – C_4$ alkyl, etc.) , R^3 is H, $C_1 – C_4$ alkyl, etc., R^4 is H, f, fluoro $C_1 – C_6$ alkyl ; Rf is F, fluoro $C_1 – C_6$ alkyl ; 1 is 0 to 2 ; Y is halogen , (substituted) phenyl , (substituted) phenoxy, etc.; and m is 0 to 3) , an intermediate thereof, an agrohorticultural agent , and a method for the use thereof . The compound of the present invention exhibits, at a low dosage, high uptake and translocation from the root and an excellent insecticidal effect especially when applied to soil .

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)**	**01/10/2002** **1078/2002** **July 2004** **01/12/2004** **23319**

(51)	**Int. Cl.[7]** **E21B 33/04**
(71)	**1. HUGHES UBHO TOOL COMPANY LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. WILLIAM J. HUGHES** **2. MARK E. DUNBAR** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 09/971,308 – 04/10/2001** **2.** **3.**
(74)	**OSAMA MOHAMED ISMAIL**
(12)	**Patent**

(54) CONCENTRIC CASING JACK

Patent Period Started in 01/10/2002 and Ends in 30/09/2022

(57) A concentric casing jack is disclosed having a casing supporter and actuator that uses hydraulic fluid to vertically raise and lower an inner concentric string of casing in a well. This casing jack is connected to a string of casing and can operate, down – hole tools attached to the lower end of the casing by actuating the casing . The casing jack is supported at the surface by the wellhead and can be incorporated into a series of drilling spools and blowout preventer vaves that are commonly utilized during drilling operations. The casing jack consists of a housing and a hollow piston whose internal diameter is similar in size to the concentric casing . The similar sizing allows drill bits and bottom hole assemblies to pass through the hollow center of the casing jack and the attached string of casing . The piston is equipped with external seals to hold hydraulic pressure between the hollow piston and the body of the jack . The lower shaft of the piston extends through the base of the casing jack housing where the lower shaft is threaded onto the concentric string of casing in the well bore. The upper shaft of the hollow piston extends above the top of the casing jack housing where it connects to the surface drilling equipment. The casing jack is equipped with two hydraulically retractable supports that fit into the recessed area of the hollow piston and support the weight of the casing and piston after the piston is in its raised position . The casing jack also contains an internal shoulder to support the piston and the casing when the piston is in the lowered 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)**	**11/12/2002** **1334/2002** **August 2004** **11/12/2004** **23320**

(51)	**Int. Cl.[7]** **B67D 1/08**
(71)	**1. HEINEKEN TECHNICAL SERVICES BV (NETHERLANDS)** **2.** **3.**
(72)	**1. PAUL H. RAATS** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (NL) 1019562 – 13/12/2001** **2.** **3.**
(74)	**NAZEH AKHNOKH SADEK**
(12)	**Patent**

(54) VALVE ASSEMBLY FOR USE IN DISPENSING BEVERAGE

Patent Period Started in 11/12/2002 and Ends in 10/12/2022

(57) A valve assembly for a container with an inner bag for receiving beverage, in particular carbonated beverage such as beer, wherein a beverage valve is provided with a communication with the inner space of the bag and means for operation of the beverage valve by a tapping device in which the container is receivable, the beverage valve being partly surrounded by an upstanding first apron which is gas-tight, while, spaced therefrom, a second gas – tight apron is situated, and between the first and the second apron a bottom wall with at least one gas passage opening is provided which during use is in comunication with the space enclosed between the inner bag and the container, such that during use between the two aprons a chamber is formed through which gas under pressure can be forced through the gas passage opening separately from the beverage .

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)**	**02/03/2002** **0229/2002** **July 2002** **11/12/2004** **23321**

(51)	**Int. Cl.[7]**	**C12N 5/08 & A61L 27/00 & A61F 2/10**
(71)	**1. CENTRO DE INVESTIGACIONES ENERGETICAS MEDIOAMBIENTALLES Y TECNOLOGICAS (C.I.E.M.A.T) (SPAIN)** **2. CENTRO COMUNITARIO DE TRANSFUSION DE ASTURIAS – CRUZ ROJA ESPANOLA (SPAIN)** **3. FUNDACION MARCELINO BOTIN (SPAIN)**	
(72)	**1. JOSE L. JORCANO NOVAL** **2. FERNANDO LARCHER LAGUZZI** **3. ALVARO MEANA INFIESTA**	**4. SARA GOMEZ LLANES** **5. MARCELA DEL RIO NECHAEVSKY**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	**(ES) (P 200100494) – 01/03/2001**
(74)	**ABU SETTA & PARTNERS FOR ADMINISTRATIVE AND CONSULTANCY SERVICES REPRESENTED BY : ASHRAF IBRAHIM ABDEL NABI & MISS MARWA HAMED ABDEL MAGIED**	
(12)	**Patent**	

(54) ARTIFICIAL DERMIS AND METHOD OF PREPARATION

Patent Period Started in 02/03/2002 and Ends in 01/03/2022

(57) Artificial dermis obtained from plasma with platelets and human fibroblasts. The plasma with platelets is obtained from the fractionating of total blood from the patient by light centrifugation, and the human fibroblasts from a skin biopsy . Clotting is obtained by adding calcium.

The artificial dermis provides for the rapid growth of the keratinocvtes seeded on its surface to build an artificial skin which can easily be transplanted . Large areas of artificial dermis are obtained from a small skin biopsy and minimal quantities of plasma with platelets , which being enriched with cytokines and platelets growth factors, strengthens the proliferation of the cells seeded, both inside and on the surface .

The artificial skin obtained can be used to treat major burn treatments , chronic skin ulcers, etc., or be used , by employing genetically altered cells , as a vehicle for gene therapy .

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)**	**02/09/2002** **0983/2002** **July 2004** **14/12/2004** **23322**

(51)	**Int. Cl.[7]** **E21B 43/12**
(71)	**1. HUGHES UBHD TOOL COMPANY LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JAMES W. HUGHES** **2. JIMMIE J. RENFRO** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**OSAMA MOHAMED MOHAMED ISMAIL**
(12)	**Patent**

(54) DOWN HOLE DRILLING ASSEMBLY WITH INDEPENDENT JET PUMP

Patent Period Started in 02/09/2002 and Ends in 01/09/2022

(57) A down hole drilling assemtly (DHDA) is disclosed that incluces artificial lift to remove the drilling and production fluid from a well bore during drilling operations by means of a single or multiple hydraulic jet pumps attached to a concentric string of casing . The DHDA includes a drill string and drill bit that passes through the jet pump assembly so that the power fluid is separated from the drilling or production fluid until after it has passed through the nozzle of the jet pump . The jet pump assembly is joined to a concertric casing string . The jet pump also contains a bladder element that inflates or expands to redrect the flow of the drilling and production fluid from the inner or retum annulus into the jet pump assembly. The purpose of the jet pump assembly is to artificially lift and remove fluid thereby lowering the fluid level within a well bore to a point where the hydrostatic pressure exerted by the column of fluid near the bottom of the well is lower than the pore pressure of the formation being drilled thereby creating an under balanced condition.

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)**	**15/08/2000** **1060/2000** **July 2004** **14/12/2004** **23323**

(51)	**Int. Cl.[7]** **C12P 1/00 , 1 /04 & A61K 35/78**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. DR. AFAF KAMAL EL DIN EL ANSARY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) DISTURBANCE OF SCHISTOSOME – SNAIL RELATIONSHIP WITHOUT ENVIRONMENTAL POLLUTION

Patent Period Started in 15/08/2000 and Ends in 14/08/2020

(57) Sublethal concentrations (LC_{10}) of solanum nigrum and ambrosia maritima dry powdered plants were used to render the biomphalaria alexandrina snails, the specific intermediate hosts for schistosoma mansoni physiologically unsuitable for the development of the parasite .

This was achieved through inhibiting the glycolytic pathway as the most important pathway in schistosome – infected snails. Inhibition of this pathway was effective since it reduced considerably the infection rate of the snails . Longer prepatent period and remarkable decrease in cercarial production was also recorded. Moreover. The released cercariae were less pathogenic to the final host, showing less worm burden and absence of ova in the liver and intestine of the tested animals .

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)**	**31/12/2000** **1603/2000** **September 2004** **14/12/2004** **23324**

(51)	**Int. Cl.[7]** **A61B 17/34**
(71)	**1.** **MEDHAT ATEF MOHAMED AWAD (EGYPT)** **2.** **3.**
(72)	**1.** **MEDHAT ATEF MOHAMED AWAD** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) EGYPTIAN NEEDLES SIMILAR TO CHINESE PUNCTURE

Patent Period Started in 31/12/2000 and Ends in 30/12/2007

(57) There is 2 types of needles

1) virticle puncture :

it was designed by punctioning verticaly without going into skin deeper than 2mm directly .

2) placing needle under skin :

it is designed to be placed directly under skin 2 cm deep.

These needles are made of gold. Silver or platinuim . It used for punctioning and placing under skin in particular places. It has direct and effective .

Effects and also controlling chronicle diseases that takes longtime to be medicaly cured such as nails exima , skin spots. nevvous break down and psychological dissorders .

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)**	**15/09/2002** **1028/2002** **September 2004** **15/12/2004** **23325**

(51)	**Int. Cl.[7]** **A01D 1/06 , 87/00**
(71)	**1.** **MEKHAIAL MAKAR FRAG (EGYPT)** **2.** **3.**
(72)	**1.** **MEKHAIAL MAKAR FRAG** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) AGRICULTURAL HARVESTER

Patent Period Started in 15/09/2002 and Ends in 14/09/2022

(57) The present invention relates to a machine for reaping the crops and transfer them outside the field, this machine consists of four pasic units :

a) reaping unit
b) raising and transfering unit
c) operating and conveying movement unit
d) crops transfering unit

This machine works in this way : the unit of operating transfer the movement from the engine , by the end of the machine, to the hoop of the main turning , by the front of the machine the hoop turns the cutters in the reaping unit to cut the groups above the raising unit which raise the crops and prepare them inside the transfering unit with the ability of tying them by hands . this machine can be used with crops were planted in lines or sprinkled (thick planting) it can be used also with crops were planted in drills but after changing the cutters in the reaping unit with thick planting the saw cutters are used , but with drills planting the circling cutters are used .

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)**	**28/10/2002** **1177/2002** **August 2004** **18/12/2004** **23326**

(51)	**Int. Cl.[7]** **C10L 3/10 & F25J 3/02**
(71)	**1.** **TECHNIP – COFLEXIP (FRANCE)** **2.** **3.**
(72)	**1. HENRI PARADOWSKI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **(FR) 0114141 – 31/10/2001** **2.** **3.**
(74)	**ABU SETTA & PARTNERS FOR ADMINISTRATIVE AND CONSULTANCY SERVICES REPRESENTED BY : ASHRAF IBRAHIM ABDEL NABI & MISS MARWA HAMED ABDEL MAGIED**
(12)	**Patent**

(54) METHOD AND INSTALLATION FOR SEPARATING A GAS CONTAINING METHANE AND ETHANE WITH TWO COLUMNS OPERATING UNDER TWO DIFFERENT PRESSURES

Patent Period Started in 28/10/2002 and Ends in 27/10/2022

(57) The invention relates to a method of separating a dry feed gas , mainly comprising methane, ethane and propane into a first relatively more volatile product, called treated gas, and a second, relatively less volatile product called c2 plus fraction, comprising :

(i) an operation for cooling feed gas , turning it into a cooled gas,

(ii) an operation for separating and treating cooled gas produced by operation ,

(iii) a distillation operation in a distillation device , and the corresponding installation

According to the invention, distillation device comprises at least first and second distillation columns operation at different pressures .

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)**	**09/08/1999** **0990/1999** **September 2004** **18/12/2004** **23327**

(51)	**Int. Cl.[7]**	**A61F 6/00**
(71)	**1.** **2.** **3.**	**PROF. DR. MOHAMED EZZ EL DIN AZZAM (EGYPT)**
(72)	**1.** **2.** **3.**	**PROF. DR. MOHAMED EZZ EL DIN AZZAM**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)		
(12)		**Patent**

(54)	**METRAPLANT " IUCD "**
	Patent Period Started in 09/08/1999 and Ends in 08/08/2019

(57) Metraplant is an IUCD using the frame of IUCD norgestrol is soldded to silicone rubber as a polymer the mixture is distrbuted around the stem (50%) and over the two arms (50%) the device releases 0% microgram day for 5 years, It effective in treating menorrhagia as documented by several studies in different Egyptian universities " Ain – shams – Alexandria and El Azhar " it is much less expensive and different from another hormone releasing IUCD (S. Mirena which costs about 100L.E. metaplant is expected to cost only 50 L.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)**	**31/07/2002** **0863/2002** **September 2004** **18/12/2004** **23328**

(51)	**Int. Cl.[7]** **E21B 1/02**
(71)	**1.** **HASSAN FATHI MORSY EL DAKHAKHNY (EGYPT)** **2.** **3.**
(72)	**1.** **HASSAN FATHI MORSY EL DAKHAKHNY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) IDEAL MACHINE FOR CLEANING SMALL DRAINS

Patent Period Started in 31/07/2002 and Ends in 30/07/2022

(57) This invention is regarding a machine for cleaning little drain beds (field drains) of residues and mud accumulating at its bottom . The machine is operated by means of black driving shaft by the trace. It consists basically of three frames ,on one of them is fixed suspension pyramid on the second is fixed the corona box and hydraulic cylinder . On the third one is fixed another corona box and also a hydranlic cylinder, under it and with an angle of 60 degrees, a broach to be hanged down in the drain and ends with a knife to cut the mud, of a width 40 cm and its sides height of 20 cm. Through this knife the mud slice to be removed , then the broach raises it to get out through a hose getting out of the upper part of the broach to out of the drain behind the trace .

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)**	**26/02/2002** **0213/2002** **September 2004** **19/12/2004** **23329**

(51)	**Int. Cl.[7]** **G01F 23/292 , 23/00 & H05B 6/12**
(71)	**1.** **MAHMOUD NASR EL DIN MOHAMED HASSAN (EGYPT)** **2.** **3.**
(72)	**1.** **MAHMOUD NASR EL DIN MOHAMED HASSAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) THE AUTOMATIC VESSEL

Patent Period Started in 26/02/2002 and Ends in 25/02/2022

(57) This apparatus is a machine working with electric energy. It has a connecting wire with electromotive force of 220 volt, as this energy is used in monitoring the disturbace and boiling of the liquids surfaces that characterized by boiling through the electric components available in it . This apparatus used a recent high – tech on the international level, which is the field of (optics) that makes it available to monitor the surfaces of the liquids characterized by boiling . As it has a special component that can produce a light band of laser rays that can permeate through the wall of a transparent vessel – (made of thermal glass) until reaching a light cell. It, in turn, lets the contactor key does its function concerning stopping the electric flame under the transparent vessel which contains this liquid . Someone began to turn the contactor key for the apparatus to work .

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** **0608/2002** **September 2004** **19/12/2004** **23330**

(51)	**Int. Cl.[7]**	**C07B 41/04 , 43/04 & C07C 41/06 , 43/15**
(71)	**1.** **2.** **3.**	**OXENO OLEFINCHEMIE GMBH (GERMANY)**
(72)	**1. DIRK ROTTGER** **2. MATTHIAS BELLER** **3. RALF JACKSTELL**	**4. HOLGER KLEIN** **5. KLAUS – DIETHER WIESE** **6.**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	**(DE) 10128144,7 – 09/06/2001**
(74)		**MAURIS WAHBA MOUSSA**
(12)		**Patent**

(54) PROCESS FOR THE TELOMERIZATION ACYCLIC OLEFINS

Patent Period Started in 05/06/2002 and Ends in 04/06/2022

(57) The invention provides a process for the telomerization of acyclic olefins having at least two conjugated double or mixtures comprising such olefins by means of nucleophiles using a palladium – carbene cornclex as catalyst

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)**	**05/10/1996**
		(21)	**0902/1996**
		(44)	**September 2004**
		(45)	**21/12/2004**
		(11)	**23331**

(51)	**Int. Cl [7] D03D 27/10**
(71)	**1. MIDDLE EAST CARPET CO. ASSOCIATED S.A.E (EGYPT)** **2.** **3.**
(72)	**1. HASSAN ABUEL MAKAREM ELZOGHL** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**DR. ENG. MOHAMED MAHMOUD TAWFIK**
(12)	**Patent**

(54) CARPET WITH NEW SPECIFICATIONS, METHOD OF MANUFACTURING SUCH MECHANICAL WOVEN CARPETS WITH PROCESSED PILE YARN SIMILAR TO SILK CARPETS AND CHINESE CARPETS.

Patent Period Started in 05/10/1996 and Ends in 04/10/2016

(57) Mechanical woven carpet in which processed continuos polypropylene and/or polyester yarn are used for pile yarn with thermobonding technique to obtain the tuft bind required on a fine weaving structure to achieve a number of knots not reached before in the mechanical woven carpets, matching the hand made natural silk carpets of southeastern Iran in the natural silk effect, soft touch designs and colors, and using the same pile yarn and space dying concept to obtain and thermobonding technique to obtain carpets matching hand made natural silk carpets woven in China having the same soft touch, pile yarn height.

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) 22/04/2002** **(21) 0420/2002** **(44) July 2004** **(45) 26/12/2004** **(11) 23332**

(51)	**Int. Cl [7] B60R 25/00**
(71)	**1. SHAHAT SAID ELSAYED ABU-ZEKRY (EGYPT)** **2.** **3.**
(72)	**1. SHAHAT SAID ELSAYED ABU-ZEKRY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) VEHICLE ANTI-THEFT SYSTEM (VATS.1)

Patent Period Started in 22/04/2002 and Ends in 21/04/2022

(57) The system (VATS.1) consists of a metal structure through which two hydraulic passages run. The system (VATS.1) is provided with five valves that function as an oil diverting – out set, after flowing through the system (VATS.1), into the first passage, which is in charge of the ordinary working or into the second passage, which is in charge of protecting the vehicle against any theft trial, this function takes place by fingerprint-lock system. Then, the oil passes through irreversible valves into the wheel brakes. Thus, the vehicle is set on the brake-positioning mode. This occurs immediately on braking on the clutch pedal, or the brakes pedal. A matter that loosens the accelerator pedal from controlling the velocity of the engine, through another set fixed at the end of the accelerator's pedal and still attached to the mother set through an oil 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) 17/08/1999** **(21) 1026/1999** **(44) September 2004** **(45) 26/12/2004** **(11) 23333**

(51)	**Int. Cl [7] F25J 1/00, 1/02, 3/08, 5/00**
(71)	**1. Prof. Dr. HAMDY ABDEL AZEZ MOSTAFA (EGYPT)** **2.** **3.**
(72)	**1. Prof. Dr. HAMDY ABDEL AZEZ MOSTAFA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) OPTIMUM PETROLEUM TOPPING UNIT

Patent Period Started in 17/08/1999 and Ends in 16/08/2019

(57) The unit contains separators for gases, gasoline and kerosine, and small main fractionator. The unit produces high recovery of butagas without the use of compressor. Capital and operating costs are small. Corrosion is negligible.

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) 04/09/2002** **(21) 0994/2002** **(44) September 2004** **(45) 26/12/2004** **(11) 23334**

(51)	**Int. Cl [7] B21B 45/08**	
(71)	**1. SMS DEMAG AG (GERMANY)** **2.** **3.**	
(72)	**1. BERNHARD EHLS** **2. KIRSTEN FIEGER-SCHLANGEN** **3. INGO SCHUSTER**	**4· JURGEN ARMENAT** **5·** **6·**
(73)	**1.** **2.**	
(30)	**1. DE 10143868,0 - 07/09/2001** **2.** **3.**	
(74)	**HODA ANIS SERAG ELDIN**	
(12)	**Patent**	

(54) CLAB CLEANING BEFORE THE ROLLER HEARTH FURNACE OF A MINI-MILL

Patent Period Started in 04/09/2002 and Ends in 03/09/2022

(57) The invention relates to a device for removing loose scales from the surface of a slab, more particularly a thin slab of a mini-mill. Such a mini-mill comprises at least a slab casting machine, a alab separating device, a temperature equalization furnace and one or more roil stands with a reeling plant. Such a device is improved in that spraying device comprises at least one lower spray pipe and at least one upper spray pipe relative to the slab, whereby each spray pipe is fitted with a number of spray nozzles. The spraying device is arranged before the roller hearth furnace of the mini-mill and is connected to a supply of water at the technologically required pressure and with a volumetric flow calculated in accordance with the number of spray pipes. The invention also relates to method of operating the spraying 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) 20/06/1998** **(21) 0715/1998** **(44) September 2004** **(45) 28/12/2004** **(11) 23335**

(51)	**Int. Cl [7] F25J 3/06**	
(71)	**1. EXXON PRODUCTION RESEARCH COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. RONALD R. BOWEN** **2. EUGENE R. THOMAS** **3. ERIC T. COLE**	**4· EDWARD L. KIMBLE**
(73)	**1.** **2.**	
(30)	**1. US 60/079,680 – 27/03/1998** **2.** **3.**	
(74)	**HODA AHMED ABDEL HADY**	
(12)	**Patent**	

(54) IMPROVED CASCADE REFRIGERATION PROCESS FOR LIQUEFACTION OF NATURAL GAS.

Patent Period Started in 20/06/1998 and Ends in 19/06/2018

(57) This invention relates to a process for liquefying a pressurized gas stream rich in methane in which the liquefication of the gas stream occurs in a heat exchanger being cooled by a cascade refrigeration system to produce a methane-rich liquid product having a temperature above about- 112°C (-170°F) In this process, a pressurized gas stream is introduced into heat exchange contact with a first refrigerant cycle comprising at least one refrigeration stage whereby the temperature of the gas stream is reduced by heat exchange with a first portion of a first refrigerant to produce a cooled gas stream. The cooled gas stream is then introduced into heat exchange contact with a second refrigerant cycle comprising at least one refrigeration stage whereby the temperature of the cooled gas stream is further reduced by heat exchange with a second refrigerant to produce a liquefied methane-rich stream having a temperature above about- 112°C (-170°F) and a pressure sufficient for the liquefied stream to be at or below its bubble point.

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) 0086/2002** **(44) September 2003** **(45) 28/12/2004** **(11) 23336**

(51)	**Int. Cl [7] A23C 9/00, 9/154**	
(71)	**1. SOCIETE DES PRODUITS NESTLE SA (SWITZERLAND)** **2.** **3.**	
(72)	**1. MICHEL J. GROUX** **2. MADANSINH VAGHELA** **3. CHRISTIAAN BISPERINK**	**4. KOSOL KIJAMNAJSUK**
(73)	**1.** **2.**	
(30)	**1. EP. 01101868/6 – 26/01/2001** **2.** **3.**	
(74)	**HODA AHMED ABDEL HADY**	
(12)	**Patent**	

(54) A MILK PRODUCT WHICH CAN BE FOAMED BY SHAKING

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

(57) The invention concerns a milk product containing from 0 to 40% fat, from 5 to 23% solid non fat, other ingredients and water, wherein said product can be foamed at room temperature either by shaking or with a foaming device, said product containing further a mixture of at least two emulsifiers and a foam stabilizer

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) 30/10/2002** **(21) 1191/2002** **(44) September 2004** **(45) 28/12/2004** **(11) 23337**

(51)	**Int. Cl [7] B60C 15/00, 15/05, 15/06, 15/024**
(71)	**1. PIRELLI PNEUMATICI SPA (ITALY)** **2.** **3.**
(72)	**1. RENATO CARETTA** **2. GAETANO LOPRESTI** **3. RODOLFO NOTO**
(73)	**1.** **2.**
(30)	**1. IT (PCT/IT 01/00554) – 31/10/2001** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) "TYRES FOR VEHICLE WHEELS WITH IMPROVED BEAD STRUCTURE"

Patent Period Started in 30/10/2002 and Ends in 29/10/2022

(57) Tyre for vehicle wheels, comprising a toroidal carcass which has a central crown portion and two axially opposed sidewalls terminating in apair of beads for fixing the tyre to a corresponding mounting rim, each bead comprising at least one circumferentially inextensible annular reinforcing core, comprising a set of loops of metallic filament located so that they are radially superimposed on each other and axially adjacent to each other, the said carcass being provided with a reinforcing structure essentially consisting of at least one rubberized fabric ply, reinforced with metallic cords lying in redial planes containing the axis of rotation of the tyre.

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) 22/12/2002** **(21) 1387/2002** **(44) September 2004** **(45) 28/12/2004** **(11) 23338**

(51)	**Int. Cl [7] C21B 13/02**	
(71)	**1. MIDREX INTERNATIONAL B V (SWITZERLAND)** **2.** **3.**	
(72)	**1. GARY E. METIUS** **2. STEPHEN C. MONTAGUE** **3. RUSSELL KAKALEY**	**4· BRIAN W. VOELKER** **5· RUSSELL E. BILEY**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)	**HODA AHMED ABDEL HADY**	
(12)	**Patent**	

(54) METHOD AND APPARATUS FOR CONTROLLING TEMPERATURE UNIFORMITY OF THE BURDEN IN A DIRECT REDUCTION SHAFT FURNACE

Patent Period Started in 22/12/2002 and Ends in 21/12/2022

(57) A method and apparatus for mareasing hydrocarbon input to a direct reduction shaft furnace while controlling the temperature uniformity of the center portion of the burden within the furnace wherein the hydrocarbon gases used in direct reduction may be preheated, which increases the temperature of the hydrocarbon gases, and therefore increases the result at temperature of the upflowing gas as it rises from the lower section of the furnace into the center of the burden. Alternatively, a portion of the upflowing gas may be removed before is enters the reduction zone of the furnace. The removed upflowing gas, known as hot bleed gas, may be ducted to the top gas scrubber of the furnace or may be mixed with the main reducing gas stream of the furnace for reintroduction to the furnace. Aternatively, hot reducing gas may be directly injected into the center portion of the burden, offestting the cooling effect of the upflowing gas. The centrally injected hot reducing gas may be split off from the main reducing gas stream or may be generated by a partial oxidation reactor.

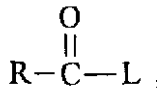
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 19/12/2000** **(21) 1566/2000** **(44) September 2004** **(45) 28/12/2004** **(11) 23339**

(51)	**Int. Cl [7] C11D 3/39**
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. KARL M. PREISSNER** **2. ANGELICA D. BROWN** **3.**
(73)	**1.** **2.**
(30)	**1. US 60/172743 – 20/12/1999** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) BLEACH ACTIVATORS WITH IMPROVED SOLUBILITY

Patent Period Started in 19/12/2000 and Ends in 18/12/2020

(57) Bleach activator particle for use in detergent compositions, comprising a bleach activator having the general formula:



Wherein R is an alkyl group containing from about 5 to about 18 carbon wherein the longest linear alkyl chain extending from and including the carbonyl carbon contains from about 6 to about 10 carbon atoms and L is a leaving group, the conjugate acid of which has a pka in the range of from about 4 to about 13, preferably from about 6 to about 11, most preferably from about 8 to about 11; and a binder material comprising from about 0.1% to about 15%, by weight of the particle, of an inorganic salt capable of absorbing water of hydration.

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) 29/03/2003** **(21) 0298/2003** **(44) September 2004** **(45) 28/12/2004** **(11) 23340**

(51)	**Int. Cl [7] A61M 15/00**
(71)	**1. DIMITRIOS K. PENTAFRAGAS (GREECE)** **2.** **3.**
(72)	**1. DIMITRIOS K. PENTAFRAGAS** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. GR 20020100159 – 29/03/2002** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DRY POWDER INHALER

Patent Period Started in 29/03/2003 and Ends in 28/03/2023

(57) An inhalation device for the intake of medicaments that are in the form of dry powder contained in the blisters of specially designed single dose blister strips. The device is comprised of mouthpiece, a strip support surface area, and one or more storage areas. Furthermore, the single dose blister strip is described. It is comprised of two sheets that are fixed in such a manner so that when they get separated the powder becomes available for inhalation.

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) 22/02/2003** **(21) 0177/2003** **(44) September 2004** **(45) 28/12/2004** **(11) 23341**

(51)	**Int. Cl [7] B63B 1/38**
(71)	**1. EFFECT SHIPS INTERNATIONAL AS (NORWAY)** **2.** **3.**
(72)	**1. ARNE OSMUNDSVAAG** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) AIR CUSHION VESSEL

Patent Period Started in 22/02/2003 and Ends in 21/02/2023

(57) A high-speed marine vessel, the weight of which is supported by specified combinations of hull elements, i.e. planning surfaces, displacing volumes, air cushions and, at high-speed, also surfaces that are affected by aerostatics pressure. The size and arrangement of the hull elements are designed to achieve as large an effect as possible for their respective lifting and motion damping properties, in order to give the vessel the intended advantageous characteristics in terms of speed, resistance and behavior in waves, by having a degree of freedom to position the center of the upward forces in relation to the center of gravity, the natural frequency of the vessel when moving in a vertical plane can by influenced. All of the hull arrangements are intended to use water jet propulsion, which in no way prevents the choice of other propulsion systems. All known systems for active motion control can also be fitted. All of the hull designs can be arranged such that aerodynamic lift on the superstructure of the vessel and – in multihull applications-aerostatic lift in the hull tunnel (tunnels) can be used to reduce the total resistance of the vessel, the effect increasing as the speed increases. The fact that the design has hull tunnels, and thus utilizes aerostatic lift, distinguishes the invention favorably from other types of air cushion vessels. In its original design, the proposed vessel provides a simple construction, freedom in the choice of propulsion device, simple motion control in waves and low "hump" resistance compared with other, similar air cushion vessels.

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)**	**30/11/2002** **1291/2002** **September 2004** **28/12/2004** **23342**

(51)	**Int. Cl [7] A01G 17/06**
(71)	**1. DAVID PARRISH (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. DAVID PARRISH** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. US 60/338,537 – 30/11/2001 & 10/121,554 – 12/04/2002** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) IMPROVED SUPPORT STRUCTURE FOR TRELLIS SYSTEM

Patent Period Started in 30/11/2002 and Ends in 29/11/2022

(57) A new trellis support structure and a method for its production for use in supporting vine borne crops. The support structure includes a metallic support member that is bent into a modified U-shape and attached to a metallic cross arm using a process that produces consistent results. The combination of the U-shape member and cross arm is then attached to vertical support post at two different locations: one attachment at the center of the U-shaped member and the other attachment at the center of cross arm in an axial alignment with the support post. The structure is extremely strong, capable of supporting considerable weight, not likely to shift, and less prone to failure from fatigue. The support structure is produced by first bending the central section of a metallic support member into a U-shape, placing the bent member on a specially designed adjustable jig, and attaching a cross arm. This assembly is then attached to support post in two places preventing pivotal rotation of the combined structure once it is mounted to the support post.

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) 13/08/2002** **(21) 0909/2002** **(44) September 2004** **(45) 28/12/2004** **(11) 23343**

(51)	**Int. Cl [7] A47L 9/04**
(71)	**1. SAMSUNG GWANGJU ELECTRONICS CO LTD (REPUBLIC OF KOREA)** **2.** **3.**
(72)	**1. SUNG TAE JOO** **2. JANG KEUN OH** **3.**
(73)	**1.** **2.**
(30)	**1. KR 2002/11240 – 04/03/2002** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**SUCTION BRUSH ASSEMBLY HAVING ROTATION ROLLER FOR SWEEPING DUST**
	Patent Period Started in 13/08/2002 and Ends in 12/08/2022

(57) A suction brush assembly of a vacuum cleaner has a housing having a suction duct to provide a suction passage for dust, a rotation roller having a plurality a ribs formed at an outer circumference, a wheel disposed at the housing and a power transmission unit to rotate the rotation member by exerting a rotation force of the wheel to the rotation member when the wheel is rotated. The wheel and the rotation member are rotated in directions opposite to each other by the power transmission unit. When a user wants to clean fabrics such as bedclothes or a carpet, the effect of hitting of the ribs can be firmly secured due to the rotation of the rotation rollers. Therefore the effect of removing dust remarkably increases.

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)**	**11/09/2002** **1015/2002** **September 2004** **28/12/2004** **23344**

(51)	**Int. Cl [7] C10G 7/00, 7/12**
(71)	**1. SHELL INTERNATIONALE RESEARCH MAATASCHAPPIJ BV (NETHERLANDS)** **2.** **3.**
(72)	**1. DAVID B. RUNBALK** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. EP 01307815,9 – 13/09/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) TREATING OF CRUDE CONTAINING NATURAL GAS

Patent Period Started in 11/09/2002 and Ends in 10/09/2022

(57) A process for treating a crude containing natural gas comprising supplying the crude to a stabilization unit to obtain a gaseous stream and crude oil; supplying a compressed, gaseous stream at a low temperature tot he bottom of a first column partly condensing the first gaseous overhead stream, returning the liquid phase to the first column and supplying the methane-rich stream to a liquefaction plant; supplying an expanded bottom stream at a low temperature to the top of a second column; removing from the top of the second column a second gaseous overhead stream, and removing from the bottom of the second column a liquid bottom stream; vaporizing part of the bottom stream and introducing the vapour into the bottom of the second column; and introducing the remainder of the bottom stream into a crude oil stream at an appropriate point in or upstream of the stabilization unit, wherein the amount of heat removed from the first gaseous overhead stream is so adjusted that the concentration of C5+ in the first gaseous overhead stream is below a predetermined value, and wherein the fraction of the liquid bottom stream from the second column that is vaporized is so selected that the concentration of C2 – in the liquid bottom stream is below a predetermined level

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) 0659/2002** **(44) September 2004** **(45) 28/12/2004** **(11) 23345**

(51)	**Int. Cl [7] E21B 43/16 & F25J 3/04**
(71)	**1· THE PETROLEUM OIL AND GAS CORPORATION OF SOUTH AFRICA (PROPRIETARY) LIMITED (SOUTH AFRICA)** **2· STAYOIL ASA (NORWAY)** **3·**
(72)	**1. GARETH D. SHAW** **2. ROGER JOHANSEN** **3.**
(73)	**1.** **2.**
(30)	**1. ZA 20014939 – 15/06/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54)	**A METHOD FOR RECOVERING OIL FROM A NATURAL OIL RESERVOIR**
	Patent Period Started in 12/06/2002 and Ends in 11/06/2022

(57) A method for recovering oil from a natural oil reservoir includes the steps of separating air to produce an oxygen rich stream and a nitrogen rich stream, providing a natural gas stream and feeding at least part of the oxgen rich stream and the natural gas stream into a gas to liquid or GTL conversion installation to produce hydrocarbon products and heat. The heat produced in the gas to liquid conversion installation is used to produce energy to pressurize the nitrogen in the nitrogen rich stream to produce a pressurized nitrogen rich stream. The pressurized nitrogen rich stream is passed into a natural oil reservoir to enhance the recovery of oil from the reservoir.

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

PATENT'S ABSTRACTS

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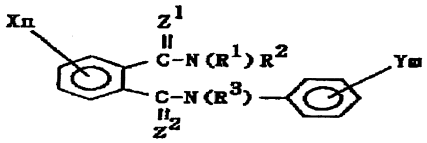
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/08/2002** **0914/2002** **July 2004** **03/01/2005** **23346**

(51)	**Int. Cl.[7]**	**A01N 37/24, 37/28 , 37/34**
(71)	**1.** **2.** **3.**	**NIHON NOHYAKU COMPANY LTD (JAPAN)**
(72)	**1. KAZUYUKI SAKATA** **2. MASAYUKI MORIMOTO** **3. HIROSHI KODAMA**	**4. TETSUYOSHI NISHIMATSU**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)		**MOHAMED MOHAMED BAKIR**
(12)		**Patent**

(54) COMPOSITION FOR NOXIOUS ORGANISMS – CONTROLLING AGENT AND METHOD FOR USING THE SAME

Patent Period Started in 13/08/2002 and Ends in 12/08/2022

(57) The present invention relates to a composition for noxious organisms – controlling agent having a synergistic effect and a method for using said composition , which comprises , as active ingredients thereof, one or more compounds selected from the phthalamide derivatives represented by general formula being useful as an insecticide or acaricide and one or more compounds selected from the compounds having insecticidal , acaricidal or nematocidal activity :



Wherein R^1 , R^2 and R^3 may be the same or different and each represent hydrogen atom , $C_3 – C_6$ cycloalkyl, - A^1 – QP, etc . , each of X and Y may be the same or different and represents hydrogen atom , halogen atom , etc ., n is an integer of 1 to 4 , m is an integer of 1 to 5 , and each of z_1 and z_2 represents o or s.

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** **0652/2002** **July 2004** **03/01/2005** **23347**

(51)	**Int. Cl.[7]** **H04B 1/38**
(71)	**1.** **LG ELECTRONICS INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1.** **JANG W. LEE** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **(KR) (P2001 – 33500) – 14/06/2001** **2.** **3.**
(74)	**MOHAMED MOHAMED BAKIR**
(12)	**Patent**

(54) METHOD FOR MAKING COMMUNICATION IN WIRELESS LOCAL LOOP SYSTEM

Patent Period Started in 12/06/2002 and Ends in 11/06/2022

(57) A method for making communication in a wireless local loop system is disclosed including storing at least one digits provided by a user and carrying out a service required by the stored digits ,when a wll (wireless local loop) subscriber terminal is off – hooked and transmitting any one of the stored digit or information corresponding to the stored digit to a system after a prescribed time period has passed from a time a last digit is provided . A load on a base station can thus be reduced by using the terminal to analyze digits provided by a subscriber to support services set by the subscriber .

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)**	**19/10/2002** **1148/2002** **September 2004** **04/01/2005** **23348**

(51)	**Int. Cl.[7]**	**A61H 35/04**
(71)	**1. SIEMENS & CO HEILWASSER UND QUELLENPRODUKTE DES STAATSBADES** **2. BAD EMS GMBH & CO KG (GERMANY)** **3.**	
(72)	**1. TOM PHILIPPS** **2. KLAUS WEBER** **3. OLAF HIRSCH**	**4. EVA-MARIA KAROW** **5.** **6.**
(73)	**1.** **2.**	**HEXAL AG (GERMANY)**
(30)	**1.** **2.** **3.**	**(DE) 10151676,2 – 19/10/2001**
(74)	**SOHEIR MIKHAIL RIZK & DR. SAMIA MIKHAIL RIZK , SALWA MIKHAIL RIZK**	
(12)	**Patent**	

(54) NASAL DOUCHE

Patent Period Started in 19/10/2002 and Ends in 18/10/2022

(57) A nasal douche with a container for rinsing fluid , which has a delivery aperture , with a valve body kept movable in the region of the delivery aperture with a tube attached to said valve body, such that different swivel positions of the valve body in co – operation with the delivery aperture determine an open position in which the tube is in communication with the container , and a closed position in which the container is sealed, wherein the valve body can be swivelled into a ventilation position which is different from the open and closed positions, in which the container is ventilated and residue can be emptied .

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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)**	**10/08/2002** **0891/2002** **September 2004** **09/01/2005** **23349**

(51)	**Int. Cl.[7]** **A23L 1/05**
(71)	**1.** **PROF. DR.MOHAMED AHMED EL NABARAWI (EGYPT)** **2.** **PROF. DR. HALA MOHAMED EL MOFTY (EGYPT)** **3.**
(72)	**1.** **PROF. DR.MOHAMED AHMED EL NABARAWI** **2.** **PROF. DR. HALA MOHAMED EL MOFTY** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**GEL AND OINTMENT CONTAINING KETOCONAZOLE FOR TREATMENT OF FUNGAL AND PARASITE INFECTIONS OF THE EYE**
	Patent Period Started in 10/08/2002 and Ends in 09/08/2022

(57) Formulation of ketoconazole in a gel ointment to treat fungal and parasite infections of cornea and the eye (keratitis) were done. Keratitis leads to loss of vision ketoconazole was added in concentration of 1 –2% to the prepared gal or ointment . The gel was prepared as follows; 5% methylcellulose was added to hot water of injection , then the drug was added . The absorption ointment was prepared by fusion method by mixing vaselin , liquid paraffin , lanolin and water for injection, then the drug was added . The viscosity , stability , pH measurements , in – vitro bioadhesion , drug release studies, in – vivo bioadhesion and microbiological studies . finally , clinical studies were done in Kasr El Eini hospital on twenty patients suffering from keratitis. The results showed the curing of patients .

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** **0534/2002** **September 2004** **09/01/2005** **23350**

(51)	**Int. Cl.[7]** **A61K 9/00**
(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 SAFE , EFFECTIVE, AND ENVIRONMENTAL NON – HAZARDOUS INSECTICIDE FROM COFFEE AND CAFFEINE

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

(57) This invention intends to utilize a well known coffee powder or caffeine in the preparation of a safe and effective insecticides . The preparation will be in the form of spray with concentration of 0.1 – 10% w/w of coffee powder to combat insects infecting fruits e.g. tomatoes and citrus . There was no harmful effect for the surrounding environmental plants, animals , and human after usage of this type of insecticides .

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)**	**03/03/2003** **0217/2003** **September 2004** **09/01/2005** **23351**

(51)	**Int. Cl.[7]** **A61K 35/78**
(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.** **4.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**METHOD OF PREPARATION OF A NATURAL LEUKOTRIENE INHIBITOR FROM CURCUMIN AND BOSWELLIA FOR TREATMENT OF KENN OSTEOARTHRITIS**
	Patent Period Started in 03/03/2003 and Ends in 02/03/2023

(57) This invention depends upon the utilization of a natural pharna ceutical preparation from curcumin and alcoholic acid extract of boswellia for treatment of knee osteoarthritis the preparation was evaluated in both lab and clinically as a natural leukotriene inhibitors the preparation proved to be effective by reducing most of the clinical symptoms e.g. pain during walsing effusin of the knee and immobilyatim of knee. The laboratory examination showed the improvement of antioxidant enzymes and inhibition apoptosis .

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)**	**29/12/2002** **1407/2002** **August 2004** **11/01/2005** **23352**

(51)	**Int. Cl.[7] B22D 1/00 , 41/00**
(71)	**1. TOKYO YOGYO KABUSHIKI KAISHA (JAPAN)** **2.** **3.**
(72)	**1. KEIZO ARAMAKI** **2. JYUNYA KONDO** **3.** **4.**
(73)	**1.** **2.**
(30)	**1. (JP) 2002041843 – 19/02/2002** **2.** **3.**
(74)	**SHADY FAROUK MOBARAK**
(12)	**Patent**

(54)	**LADLE EQUIPPED WITH GAS – BLOWING DEVICE HAVING ACCUMULATOR CYLINDER**
	Patent Period Started in 29/12/2002 and Ends in 28/12/2022

(57) A ladle equipped with a gas blowing device having an accumulator cylinder is provided, which has the capability of suppressing molten metal from penetrating into an injection plug embedded in the ladle and having high resistance leading to a longer service life of the injection plug. The gas – blowing device compreses a main pipe for blowing gas into the ladle via a gas – blowing plug from a position ally independent gas supply source ; an accumulator cylinder for accumulating the gas supplied through the main pipe ; and a controller . The controller is used for accumulating the gas into the accumulator cylinder when the gas blowing through the main pipe begins or when the gas blowing is carried out, and for starting to bl;ow the gas accumulated in the accumulator cylinder simultaneously with a termination of the gas blowing thorough the main pipe .

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)**	**19/08/2002** **0946/2002** **October 2005** **12/01/2005** **23353**

(51)	**Int. Cl.[7]** **C01B 39/18**
(71)	**1. PROF. DR. MOHAMED MOHAMED ABDEL MONEIM SELIM (EGYPT)** **2.** **3.**
(72)	**1. PROF. DR. MOHAMED MOHAMED ABDEL MONEIM SELIM** **2.** **3.** **4.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) A PROCESS FOR PREPARATION OF NaA ZEOLTTE FROM EGYPTIAN KAOLIN

Patent Period Started in 19/08/2002 and Ends in 18/08/2022

(57) The invention presents a process for preparation of Na – A zeolite which used in petrochemical industriees , softening of hard water , medicine and many other important fields .

Egyptian kaolin is used in the process of preparation exists in large quantities in Egyptian desert and containing two elements Si and Al essential for the synthesis of zeolite . The process include activation of kaolin at 500 – 900^{0}C , treatment with alkali , heating for crystallization for 2 – 10 hs, filtration , washing and drying . The alkali solution can be recycled after the addition of solid alkali to attain the required concentration .

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)**	**19/02/2003** **0171/2003** **October2004** **17/01/2005** **23354**

(51)	**Int. Cl.**[7]		**C07C 17/02,19/045**
(71)	**1. UHDE GMBH (GERMANY)** **2. VINNOLIT TECHNOLOGIE GMBH & CO KG (GERMANY)** **3.**		
(72)	**1. MICHAE BENJE** **2. DIETER JACULI** **3. INGOLF MIELKE**	**4. PETER SCHWARZMAIER** **5. KLAUS KREJCI** **6. JOACHIM SCHUBERT**	**7.HORSE ERIT**
(73)	**1.** **2.**		
(30)	**1. (DE) 10207217,5 – 21/2/2002** **2.** **3.**		
(74)	**SAMAR AHMED EL LABBAD**		
(12)	**Patent**		

(54) PROCESS FOR THE PRODUCTION OF 1,2-DICHLOROETHANE BY DIRECT CHLORINATION

Patent Period Started in 19/02/2003 and Ends in 18/02/2023

(57) The invention relates to a process for the production of high-purity 1,2-dichloroethane using a circulating stream of liquid reaction fluid which mainly consists of 1,2- dichloroethane and a catalyst, in which at least ethylene and chlorine are admixed to the reaction fluid, and a gas stream with chlorine as the main constituent is dissolved in a portion of the reaction fluid, which is essentially free of dissolved ethylene, the gaseous constituents which have not been dissolved in this solution being removed from the said solution by means of a gas separator, and the solution which has been free from non-dissolved gas constituents being brought into contact with solute ethylene supplied for this purpose.

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)**	**07/09/2002** **0998/2002** **October2004** **17/01/2005** **23355**

(51)	**Int. Cl.[7]** **E21B 21/12 , 21/08 , 4/00 ,33/10**
(71)	**1. SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ BV (NETHERLANDS)** **2.** **3.**
(72)	**1. JOHANNES VAN WIJK** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (EPC) 01307594 - 07/9/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DRILLING ASSEMBLY AND METHOD FOR DRILLING A BOREHOLE INTO GEOLOGICAL FORMATIONS

Patent Period Started in 07/09/2002 and Ends in 06/09/2022

(57) The invention relates to a drilling assembly or drilling a borehole into geological formations which assembly comprise:

- a drilling shaft placable in the borehole, which shaft comprises a drilling head; and
- a pump device placable in the borehole, wherein the pump device comprises sealing means for sealing a first borehole part below the sealing means from a second borehole part above the sealing means, and wherein the pump device is enabled to pump a fluid from the first borehole part to the second borehole part.

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)**	**27/02/2002** **0219/2002** **October2004** **17/01/2005** **23356**

(51)	**Int. Cl.[7]** **A47L 9/16**
(71)	**1. SAMSUNG KWANG.JU ELETRONICS COMPANY LTD (REPUBLIC OF KOREA)** **2.** **3.**
(72)	**1. MIN JO CHOI** **2. BYUNG JO LEE** **3.**
(73)	**1.** **2.**
(30)	**1. (KR) 0061470 – 05/10/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) GRILL ASSEMBLY OF A CYCLONE DUST COLLECTING APPARATUS FOR A VACUUM CLEANER

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

(57) A grill assembly for a cyclone dust collecting apparatus for use in a vacuum cleaner capable of improving dust collection of the vacuum cleaner by preventing dirt from flowing into a vacuum-generating device after passing through a grill . The grill assembly is disposed at an upper part of an air discharge passage of a cyclone body for separating dirt from a whirling air current by centrifugal force by forming the whirling air current from drawn air, and the grill assembly prevents dirt from being drawn into the vacuum-generating device of the vacuum cleaner. The grill assembly comprises a grill body having a plurality of passages formed thereon and filtering means disposed along an interior wall of the grill body for filtering dust drawn into the grill body through the plurality of passages.

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** **0671/2002** **October2004** **17/01/2005** **23357**

(51)	**Int. Cl.[7]** **A47L 7/02**
(71)	**1. SAMSUNG GWANGJU ELECTRNICS CO. LTD (REPUBLI OF KOREA)** **2.** **3.**
(72)	**1. SUNG TAE JOO** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (KR) 11049/2002 – 28/02/2002** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**CYCLONE DUST COLLECTING APPARATUS FOR A VACUUM CLEANER**
	Patent Period Started in 17/06/2002 and Ends in 16/06/2022

(57) A vacuum cleaner has a vacuum cleaner body, a suction port assembly to draw filth on a cleaning surface, an extension pipe to connect the vacuum cleaner body and the suction port assembly, and a supplementary cloth set removably installed at one side of the extension pipe. Accordingly, some liquid filth or attached filth on a cleaning surface that cannot completely removed by using the suction port assembly and supplementary suction nozzle can be easlly removed by using a supplementary cloth member.

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)**	**19/03/2003** **0274/2003** **October2004** **26/01/2005** **23358**

(51)	**Int. Cl.[7]** **E21B 47/06**
(71)	**1. SCHLUMBERGER SEACO INC (PANAMA)** **2.** **3.**
(72)	**1. LES NUTT** **2. TSUTOMU YAMATE** **3. MASAHIRO KAMATA**
(73)	**1.** **2.**
(30)	**1. (US) 10/104320 – 22/03/2002** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) METHOD AND APPARATUS FOR BOREHOLE SENSING

Patent Period Started in 19/03/2003 and Ends in 18/03/2023

(57) The present invention provides an apparatus and method for sensing subsurface data.

One embodiment of the invention comprises a shuttle attached to a conveyance where the conveyance and shuttle are adapted to be spooled downhole into a borehole for sensing seismic data. The shuttle contains a sensor package that is preferably acoustically isolated in the shuttle.

The sensor package includes a sensor array and a magnet clamp. A sensor section can contain several shuttles, each shuttle containing at least one sensor. In one embodiment, the sensor can be a fiber optic sensor. The magnet clamp is operable to controllably clamp and acoustically couple together the sensor package, the shuttle, and the adjacent structure which is typically the borehole casing. The magnet clamp is likewise operable to unclamp and uncouple the shuttle from the adjacent structure so as to be retracted uphole for subsequent 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)**	**14/10/2002** **1119/2002** **October2004** **26/01/2005** **23359**

(51)	**Int. Cl.[7]** **G11B 27/32 , 27/19, 27/30 , 7/007 , 20/10**
(71)	**1. KONINKLIJKE PHILIPS ELETRONICS NV (NETHERLANDS)** **2.** **3.**
(72)	**1. CORNELIS SCHEP** **2. AALBERT STEK** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 01203881/6 – 15/10/2001** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) RECORD CARRIER AND APPARATUS FOR SCANNING THE RECORD CARRIER

Patent Period Started in 14/10/2002 and Ends in 13/10/2022

(57) A record carrier is described that has a servo track indicating an information track intended for recording information blocks. The servo track has a periodic variation of a physical parameter at a predetermined frequency and modulated parts for encoding position information at regular intervals. The modulated parts start with a bit sync element and are of a data type having a data bit element or of a word sync type having a word sync element. The word sync element and the data bit element are modulated according to a same predetermined type of modulation of the periodic variation. The effective strength of a modulated element is the number of periodic variations that are substantially different and available for detection of that element.

The effective strength of the word sync element and of the data bit element are equal.

Further a device for reading and/or writing the record carrier is 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)**	**20/02/2002** **0204/2002** **Septamber2004** **30/01/2005** **23360**

(51)	**Int. Cl.[7]** **C23C 11/00,16/44**
(71)	**1. ELSAYED MOHAMED KAMAL MOHAMED AHMED ELMAGHRABI (EGYPT)** **2.** **3.**
(72)	**1. ELSAYED MOHAMED KAMAL MOHAMED AHMED ELMAGHRABI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**KHALED ABD ELMEGUID MOHAMED**
(12)	**Patent**

(54)	**AERODYNAMICALLY-ELECTRICALLY ENHANCED CHEMICAL VAPOR AND SPRAY PYROLYSIS DEPOSITION APPARATUS**
	Patent Period Started in 20/02/2002 and Ends in 19/02/2022

(57) On depositing thin films by the method of chemical vapor deposition and spray pyrolysis, many parameters combine with each other to deform the homogeneity and stricture of the deposited film. The hlustrated apparatus and technique aims to increase the deposition efficiency by controlling the acrodynamie motion of the carrier gas. The Usage of the electric field was introduced to enhance the deposition efficiency.

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)**	**19/06/2002** **0690/2002** **October2004** **30/01/2005** **23361**

(51)	**Int. Cl.[7]**	**B31D 1/04 & D21H 25/00**
(71)	**1. KIMBERLY – CLARK WORLDWID INC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. WESLEY J. MCCONNELL** **2. JAY C. HSU** **3. JOSEPH MITCHELL**	**4. SHENG – HSIN HU** **5.** **6.**
(73)	**1.** **2.**	
(30)	**1. (US) 10/034881 – 27/12/2001** **2.** **3.**	
(74)		**HODA ANIS SERAG ELDIN**
(12)		**Patent**

(54) HIGH UTILITY TISSUE

Patent Period Started in 19/06/2002 and Ends in 18/06/2022

(57) A toilet tissue product which having a cellulosic ply having at least one layer incorporating a repellant agent and a debonder which are each substantially dispersed throughout the layer. The layer is configured to provide a substantially homogeneous structure having increased absorbency rate and a reduced dry tensile strength. Methods of making a toilet tissue product having an increased absorbency rate and a reduced dry tensile strength.

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)**	**14/08/2002** **0917/2002** **August 2004** **31/01/2005** **23362**

(51)	**Int. Cl.[7]**	**A01N 37/36,43/40, 47/40,51/00**
(71)	**1. BAYER AKTIENGESELLSCHAFT AG (GERMANY)** **2.** **3.**	
(72)	**1. ULRIKE WACHENDORFF NEUMANN** **2. ASTRID MAULER MACHNIK** **3. CHERISTOPH ERDELEN**	**4. HIROHISA OHTAKE**
(73)	**1.** **2.**	
(30)	**1. (DE) 10140108,6 – 16/08/2001** **2.** **3.**	
(74)	**SOHEIR MIKHAIL RIZK – SALWA MIKHAIL RIZK - SAMIA MIKHAIL RIZK**	
(12)	**Patent**	

(54) FUNGICIDAL ACTIVE COMPOUND COMBINATIONS

Patent Period Started in 14/08/2002 and Ends in 13/08/2022

(57) What are described are novel active compound combinations comprising a known oxime ether derivative (trifloxystrobin) and imidacloprid, which combinations are highly suitable for controlling phytopathogenic fungi and insects.

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

PATENT'S ABSTRACTS

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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** **0416/2002** **August 2004** **06/02/2005** **23363**

(51)	**Int. Cl.[7] H04Q 7/20 &H04B 1/38 & H04M 1/00**
(71)	**1. LG ELECTRONICS INC (REPUBLIC OF KOREA)** **2.** **3.**
(73)	**1. SEUNG KI MIN** **2. SUNG C. YANG**
(30)	**1. (KR) (P2001-82737) 21/12/2001** **2.** **3.**
(74)	**MOHAMED MOHAMED BEKIR**
(12)	**Patent**

(54) WIRELESS LOCAL LOOP SYSTEM CAPABLE OF INERFACING WITH ANALOG COMMUNICATION DEVICE

Patent Period Started in 21/04/2002 and Ends in 20/04/2002

(57) A wireless local loop system capable of inerfacing with analog communication device comprising

Analog communication devices.

An SLIC(SLI interface Circuit) for matching analog data line characteistics of one of the analog communication device or the telephone;

An MODEM for receiving an analog data signal from the analog communication device through the SLIC converting the analog data signal into a class O digital data, and providing the class o digital data to an MSM , or receiving a class O digital data from the MSM . converting the class O digital data into an analog data signal, and providing the analog data signal to the analog communication device through the SLIC, and

the MSM for coding the digital data from the MODEM, converting the coded digita into a digital baseband signal, and providing the digital baseband signal through antenna or decoding a digital baseband signal received through the antenna to produce an information data and providing the information data to the MODEM

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)**	**03/11/2001** **1166/2001** **November 2004** **13/02/2005** **23364**

(51)	**Int. Cl.[7] D01F 6/92**	
(71)	**1. ROHM GMBH & CO KG** **2.** **3.**	
(72)	**1. DIETMAR WANDEL** **2. ACHIM DULLING** **3. ULRICH MIRWALD**	**4. ALEXANDER KLEIN**
(73)	**1. ZIMMER AG (GERMANY)** **2. ROHM GMBH & CO KG (GERMANY)**	
(30)	**1. (DE) 1005422,3 – 03/11/2000** **2.** **3.**	
(74)	**NADIA SHEHATA HAROUN**	
(12)	**Patent**	

(54) **A PROCESS FOR SPINNING AND SPOOLING OF POLYESTER FILAMENTS THROUGH THE USE OF SPINNING ADDITIVES, POLYESTER FILAMENTS WHICH CAN BE OBTAINED BY MEANS OF THE SPINNING PROCESS, THE STRECH TEXTURING OF THE PLOYESTER FILAMENTS, AS WELL AS BULKY POLYESTER FILAMENTS WHICH CAN BE OBTAINED BY MEANS OF STRECH TEXTURING.**

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 90 weight % in relation to the total weight of the ployester filament, of polybutylene terephthalate (PBT) and/or polytrimethylene terephthalate (PTMT). Preferably of PTMT. Which is characterized in that:

The spinning delay is set in the range of 70 to 500:

The filaments, immediately after exiting from the spinning nozzle, pass through a cooling delay zone from 30 mm to 200 mm in length;

The filaments are cooled of to below the solidification temperature;

The filaments are bundled at a distance of between 500 mm and 2500 mmfrom the lower side of the nozzle;

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;

The thread is spooled with a tension of the thread of between 0.025 cN/dtex to 0.15 cN/dtex;

The spooling speed is adjusted to between 2200m/min, and 6000m/min ;

And a polyester is used, into which from 0.05 weight % to 2.5 weight % in relation to the total weight of the filament of additive polymer, is mixed as an expension-promoting agent.

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)**	**07/07/2002** **0781/2002** **November 2004** **14/02/2005** **23365**

(51)	**Int. Cl.[7] A23L 1/20 , A23K 1/24, 1/65**
(71)	**1. ANIMAL PRODUCTION RESEARCH INSTITUTE (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED NABIL ALI AHMED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MOHAMED EID ABD ELMEGUID**
(12)	**Patent**

(54) TRIPLE POWERED COMPOUND FOR IMPROVING PERFORMANCE AND DIGESTION OF POULTRY DIETS

Patent Period Started in 07/07/2002 and Ends in 06/07/2022

(57) The fiber component have bad effect on poultry nutrition. The lignin which have a high content of phenolics compounds play role in inhibiting large number of enzymes which endogenous secret from the bird and also inhabit exogenous enzymes in the diet like cellulase. This triple powered compound when contribute to dict, play role on detoxification these phenolics compounds by 3 mechanisms:

Oxidation by nature oxidative enzymc.

Conjugated with sulphate ion and consequently detoxification the phenolics compound.

Conjugated with acetyle group and consquently detoxification the phenolics compound.

This triple powered compound aid poultry to utilize some feedstuffs which high content of fiber and increase the activity of exogenous enzyme.

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)**	**02/12/2002** **1308/2002** **October 2004** **16/02/2005** **23366**

(51)	**Int. Cl.[7] A61K 9/06**
(71)	**1. Prof. Dr. MOHAMED AHMED ELNABARAWY (EGYPT)** **2. Prof. Dr. SADEYA AHMED MOHAMED TAYEL (EGYPT)** **3. Dr. DOAA AHMED EL SOTOHI (EGYPT)**
(72)	**1. Prof. Dr. MOHAMED AHMED ELNABARAWY** **2. Prof. Dr. SADEYA AHMED MOHAMED TAYEL** **3. Dr. DOAA AHMED EL SOTOHI**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) ORAL FILM CONTAINING CHLORHEXIDINE HYDROCHLORIDE AND BENZYDAMINE HYDROCHLORIDE FOR TREATMENT OF GINGIVITIS, PERIODONTITIS AND ORAL INFECTIONS

Patent Period Started in 02/12/2002 and Ends in 01/12/2022

(57) oral film containing both chlorhexidine hydrochloride in concentration of 1% and benzydamine hydrochloride in concentration of0.3% was prepared using mixture of hydroxypropyl methycelluose and ethyl cellulose in ratio (9:1). These components were dissolved in solvent and the film was formed by suing casting method. The oral film is used for treatment of gingivitis, preiodontitis and oral infections. The oral film containing both drugs was evaluated for bioadhesion (in-vitro/in-vivo) and release studies. The antimicrobial activity of the medicated film was evaluated agains various bacteria and fungi. The oral film proved to effective against the various 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)**	**02/12/2002** **1309/2002** **October 2004** **16/02/2005** **23367**

(51)	**Int. Cl.[7]** **A61K 9/06**
(71)	**1. Prof. Dr. MOHAMED AHMED ELNABARAWY (EGYPT)** **2. Prof. Dr. SADEYA AHMED MOHAMED TAYEL (EGYPT)** **3. Dr. DOAA AHMED EL SOTOHI (EGYPT)**
(72)	**1. Prof. Dr. MOHAMED AHMED ELNABARAWY** **2. Prof. Dr. SADEYA AHMED MOHAMED TAYEL** **3. Dr. DOAA AHMED EL SOTOHI**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) ORAL GEL CONTAINING CHLORHEXIDINE HYDROCHLORIDE AND BENZYDAMINE HYDROCHLORIDE FOR TREATMENT OF GINGIVITIS, PERIODONTITIS AND ORAL INFECTIONS

Patent Period Started in 02/12/2002 and Ends in 01/12/2022

Oral gel containing both chlorhexidine hydrochloride in concentration of 1% and benzydamine hydrochloride in concentration of 0.3% was prepared using hydroxypropyl methylcellulose (HPMC) in concentration of 4% w/w for treatment of gingivitis, periodontitis and oral infections . The oral del was prepared by adding hot water to HPMC, then the two drugs were added with mixing. The gel was evaluated for pH measurements, viscosity, bioadhesion (in-vitro/in-vivo) and release studies.

The antimicrobial activity of medicated gel was evaluated against various bacteria and fungi. The oral gel proved to effective against the various 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)**	**24/04/2002** **0425/2002** **November 2004** **16/02/2005** **23368**

(51)	**Int. Cl.[7]** **A61K 9/70 & A01N 25/34**
(71)	**1. KIMBERLY - CLARK WORLDWIDE INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JAMES W. CLARK** **2. SHAWN E. JENKINS** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 09/976,676 – 12/10/2001** **2.** **3.**
(74)	**HODA SERAG ELDIN**
(12)	**Patent**

(54) ANTIMICROBIALLY-TREATED FABRICS

Patent Period Started in 24/04/2002 and Ends in 23/04/2022

(57) A method for forming an antimicrobially-treated fabric is provided. The method includes forming a solution from a liquid an antimicrobial agent, such as 3-(trimethoxysilyl) propyloctadecyldimethyl ammonium chloride. In one embodiment, a cellulosic fibrous material is combined with the solution while in the pulper to form a liquid suspension such that the antimicrobial agent becomes substantive to the cellulosic fibrous material. A web is formed from the antimicrobially-treated cellulosic fibrous material such that substantially all of the cellulosic fibrous material present within the web is derived from the antimicrobially-treated cellulosic fibrous material. In one embodiment, the web of antimicrobially-treatedfibrous material is also hydraulically entangled with a nonwoven substrate. In some embodimentts, when dried, the antimicrobial agent forms a covalent bond with the cellulosic fibous 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)**	**06/01/2002** **0019/2002** **November 2004** **16/02/2005** **23369**

(51)	**Int. Cl.^{7} G01N 21/01**
(71)	**1. RAL TECNICA PARA EL LABORATORIO SA (SPAIN)** **2.** **3.**
(73)	**1. LORENZO SALVA PALMER** **2.**
(30)	**1. (ES) 2001016 8U – 21/06/2001** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DEVICE FOR LIQUID ANALYSES

Patent Period Started in 06/01/2002 and Ends in 05/01/2009

(57) device for liquid analyses, of the type used prinicipally in laboratories or other analysis centres, comprising a spectrophotometric device, which consists of a carrying structure for a static cell holder designed for the fitting of a cell made up of multiple consecutive receptacles and a rectilinear rail for the guided conveyance of a mobile optical unit opposite the cell holder structure, the multiple cell consisting of an extended parallelepiped structure with an open upper base and fitted with a plurality of partitions that form multiple, adjacent, parallelepiped compartments of which the lower part is subdivided into two containers, a big one and a small one whose base is raised above the big one, both separated by a longitudinal dividing wall.

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)**	**19/02/2003** **0170/2003** **November 2004** **16/02/2005** **23370**

(51)	**Int. Cl.[7]** **E21B 21/08, 44/00, 21/06**
(71)	**1. SHELL INTERNATIONALE RESEARCH MAATSCHPPIJ BV (NETHERLANDS)** **2.** **3.**
(72)	**1. EGBERT J. VAN RIET** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/358,226 – 20/02/2002** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) DYNAMIC ANNULAR PRESSURE CONTROL APPARATUS AND METHOD

Patent Period Started in 19/02/2003 and Ends in 18/02/2023

(57) A system for drilling a well bore in a subterranean formation, comprising a drill string extending into a bore hole, whereby an annular space is formed between the drill sting and the bore hole wall, the drill string including a bottom hole assembly and a longitudinal drilling fluid passage having an outlet opening at the lower end part of the drill string: a primary pump for selectively pumping a drilling fluid from a drilling fluid source, through said drill string and into the annular space : a fluid discharge conduit in fluid communication with said annular space for discharging said drilling fluid; a fluid back pressure system in fluid communication with said fluid discharge conduit; said fluid backpressure system comprising a back pressure control device for controlling the backpressure in the discharge conduit to increase annular space drilling fluid pressure; a programmable pressure monitoring and control system for controlling said fluid back pressure system the programmable pressure monitoring and control system arranged to calculate a predicted down hole pressure using a model, compare the predicted down hole pressure to a desired down hole pressure, and to utilize the differential between the calculated and desired pressures to control said fluid back pressure system.

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)**	**24/12/2002** **1392/2002** **November 2004** **19/02/2005** **23371**

(51)	**Int. Cl.[7]** **B65G 67/02**
(71)	**1. ENG. GAMAL EL-DIN EL-SAID IBRAHEIM EL-KAHWAGY (EGYPT)** **2.** **3.**
(72)	**1. ENG. GAMAL EL-DIN EL-SAID IBRAHEIM EL-KAHWAGY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) TRUCKS UNLOADING UNIT

Patent Period Started in 24/12/2002 and Ends in 23/12/2022

(57) The trucks unloading unit consists of steel stracture (s/s)allows the trucks to pass through it on a discharging plateform (p/f).

The (p/f) hinged from one side to bearings fixed to foundation and allow the other side to turn down up to 42^0.

The (p/f) equiped with 2 sets each of 3 arms hinged to each other, the middle arm horizontal and hinged to an axe fixed to the upper part of the (s/s) one of the two other arms connected to the (p/f) balance weight, and the second connected to the (p/f) free end.

Two hydraulic cylinders (h/s) are hinged to the (s/s) and rested on the (p/f) balance weight these (h/s) are connected with main (h/s) loaded with set of changeable weight through a network of piping & hoses.

An overhead crane fixed to the (s/s) and its wire rope to the middle of (p/f) balance weight.

The (p/f) quipped with adjustable stops of arms and locks for keeping the truck on the (p/f) during discharging.

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)**	**02/07/2002** **0768/2002** **November2004** **21/02/2005** **23372**

(51)	**Int. Cl.**[7]	**B01J 38/12 & C01G 17/00**
(71)	**1. PHILLIPS PETROLEUM COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. JASON J. GISLASON** **2. RONALD E. BROWN** **3. ROBERT W. MORTON**	**4. GLEEN W. DODWELL**
(73)	**1.** **2.**	
(30)	**1. (US) 10/025,345 – 19/12/2001** **2.** **3.**	
(74)	**HODA AHMED ABDEL HADY**	
(12)	**Patent**	

(54) DESULFURIZATION WITH IMPROVED SORBING REGENERATION

Patent Period Started in 02/07/2002 and Ends in 01/07/2022

(57) During regeneration of a sulfurized sorbing, the amount of sulfur dioxide in the regeneration zone is controlled to minimize sulfation of the sorbent.

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)**	**10/10/2001** **1065/2001** **November2004** **21/02/2005** **23373**

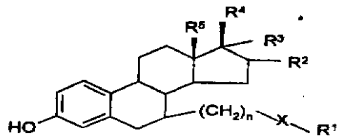
(51)	**Int. Cl.**[7]	**C07J 31/00**
(71)	**1. ASTRA ZENECA AB (SWEDEN)** **2.** **3.**	
(72)	**1. ROBERT STEVENSON** **2. FRASER W. KERR** **3. ANTHONY R. LANE** **4. EVE J. BRAZIER** **5. PHILIP J. HOGAN** **6. DAVITD LAFFAN**	
(73)	**1.** **2.**	
(30)	**1. (GB) 0025221/3 – 14/10/2000** **2.** **3.**	
(74)		**HODA AHMED ABDEL HADY**
(12)		**Patent**

(54) PROCESS AND INTERMEDIATES

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

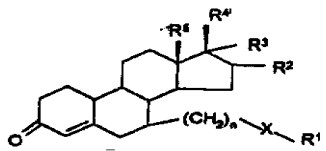
(57) A process for preparing an intermediate compound of formula (11)

(II)



Where X is as defined in the specification, R^1 is haloalkyl, alkenyl, cycloalkyl, carboxyalkyl, alkoxycarbonylalkyl, aryl or arylalkyl;
R^2, R^3, R^4, and R^5 are organic groups as defined in the specification, which process Comprises aromatisation of a compound of formula (III)

(III)



Where R^1, R^2, R^3, n,X and R^5 are as defined in relation to formula (II) and R^4 is a group R^4 or a precursor group thereof, and thereafter if necessary or desired, carrying out one or more of the following steps: (I) removing any hydroxyl protecting group R;(ii)
Converting a precursor group R^4 to a group R^4 is a group R^4, converting it to a different such 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)**	**02/04/2003** **0315/2003** **November2004** **21/02/2005** **23374**

(51)	**Int. Cl.[7]** **A23G 3/30**
(71)	**1. GUM BASE CO SPA (ITALY)** **2.** **3.**
(72)	**1. GIUSEPPE SOZZI** **2. FABIO AL LASIA** **3.**
(73)	**1.** **2.**
(30)	**1. (EP) 0/02425209 – 05/04/2002** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) CHEWING GUM POWDER FORM AND A METHOD OF PREPARATION

Patent Period Started in 02/04/2003 and Ends in 01/04/2023

(57) The subject of the invention is a novel chewing gum in tablet form which can be produced by direct compression of a gum formulation in powder form; the chewing gum thus obtained is characterized by a pleasant chewability which remains unchanged throughout the chewing period and is substantially identical to that of conventional chewing gums.

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)**	**02/12/2002** **1310/2002** **November2004** **26/02/2005** **23375**

(51)	**Int. Cl.[7]** **A61K 35/78**
(71)	**1. PROF. DR. FARID ABD-ELREHEIM ABD-ELAZIZ BADRIA (EGYPT)** **2.** **3.**
(73)	**1. PROF. DR. FARID ABD-ELREHEIM ABD-ELAZIZ BADRIA** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) METHOD OF PREPARATION A NEW PHARMACEUTICAL PRODUCT COMPOSED OF CURCUMIN, GLYCYRIHIZIN AND ACID EXTRACT OF BOSWELLIA CARTERII BASED UPON INDUCTION OF ENDOGENOUS INTERFERON

Patent Period Started in 02/12/2002 and Ends in 01/12/2022

(57) The preparation depends upon using the widely available natural products from Curcumin,Glycyrrhizin, and acid extract of Boswellia carterii in soft gelatin capsules as endogenous inferferon inducer. Boswellia extract with 36.5% boswellia was mixed wit glycyrrhizin which was extracted from licorice with 1.1-2.8% The curcumin (0.6-2.4%) was treated with $NaHCO_3$ saturated solution and added to the mixture of boswellia and glycyrrhizine. The mixture was triturated with glycerol and 70% alcohol to yield a paste which was finally packed in a soft solution capsule. The product was evaluated in vitro , in vitro, and clinically. The product is characterized by the followings:

Induction of endogenous interferon

Inhibition of some RNA Viruse (e.g Herpes simplex –1)

Hepatoprotective effect on hepatoccytes.

Inhibition of proliferatin of Hepatic stellate cells.

Improving Liver function e.g. Bilirubi , Albumine , Alt, AST , and prothrombin.

Improving the histopatholgical pictures of the tissue of Fibrotic liver.

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** **0434/2001** **Novamber2004** **26/02/2005** **23376**

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

(54)	**PREPARATION A NEW PRODUCT ON NATURAL ORIGIN FOR TREATMENT OF HYPERACIDITY AND COLITIS**
	Patent Period Started in 30/04/2001 and Ends in 29/04/2021

(57) This invention depends on utilization of common and available food components which may be used as food and medicine .This invention describes the method of extraction, separation, and preparation of volatile oils and resins from " olibanum" and "Mistache" in different rations for treatment of hyperacidity and colitis. This preparation provides a high marginal safety and efficacy and an agreeable organoleptic characters. The clinical evaluation proved the efficacy and no side effects from this product. Moreover, this product showed neither drug interference nor drug contra indications.

The aim of this invention is:

1- Find an effective preparation for hyperacidity and colitis.
2- Find the best pharmaceutical formulation for the active components.
3- Invest a widely abundant sources for preparation and developing new drugs.
4- Economic utilization of the crude extract with our available technology which means low cost.
5- Provide the pharmaceutical industry with 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)**	**01/04/2002** **0342/2002** **November2004** **28/02/2005** **23377**

(51)	**Int. Cl.[7]** **A61K 35/78**
(71)	**1. HUSSEIN HASSAN COMPANY AND INTERNATIONAL DIRGE AGENCIES** **2. (EGYPT)** **3.**
(72)	**1. DR. HUSSEIN HASSANEIN HASSAN** **2. DR. HASAN HASSANEIN HASSAN** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**SOHEIR MIKHAIL RIZK – SAMIA MIKHAIL RIZK – SALWA MIKAIL RIZK**
(12)	**Patent**

(54) LIVER SUPPORT PRODUCT IN PHARMACEUTICAL FARM "CAPSULE"

Patent Period Started in 01/04/2002 and Ends in 31/03/2002

(57) A liver Suport Pmaduct in pharmaceutical Capsule for affective and sife for live proteetion

1- Glutathione	10 mcg
1- Glutamine	10 mg
1. ecithin	300 mg
Milk thistle	140 mg
Protein (Egg albumin)	100 mg
Protein (Whey)	25 mg
Protein (Brewers Yeast)	80 mg
Black Radish	50 mg
Beet leaves	50 mg
Betaine Hel	10 mg
Inositol	10 mg
1- Methionine	10 mg
Vitamin B1 (Thiamine Hel)	10 mg
Riboflavin	10 mg
Pyridoxine Hel	10 mg
Vitamin B12	10 mcg

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)**	**26/03/2002** **0312/2002** **October2004** **28/02/2005** **23378**

(51)	**Int. Cl.[7]** **A01N 25/04 , 43/40 , 43/90**
(71)	**1. ZENECA LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. EMMA JEAN ASHFORD** **2. JONATHAN R.. HEYLINGS** **3. RICHA SHAUNAK**
(73)	**1. SYNGENTA LIMITED (UNITED KINGDOM)** **2.**
(30)	**1. (GB) 107651,2 – 27/03/2001** **2.** **3.**
(74)	**SOHEIR MIKHAIL RIZK – SAMIA MIKHAIL RIZK – SALWA MIKAIL RIZK**
(12)	**Patent**

(54)	**COMPOSITION**
	Patent Period Started in 26/03/2002 and Ends in 25/03/2022

(57) The use of an alginate as a pH-triggered gelling agent in the manufacture of a composition comprising a salt of paraquat, a salt of diquat or a mixture thereof , the composition further comprising an emetic and/or purgative such that a pH-triggered gel effect takes place at the acid pH of human gastric juice . The gelling agent is preferably used in the substantial absence of magnesium trisilicate and preferably has a 1% solution viscosity in water of from 2 to 2000 mP as.

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)**	**07/05/2002** **0463/2002** **November2004** **28/02/2005** **23379**

(51)	**Int. Cl.[7]** **B26B 19/00**
(71)	**1. HUSSEIN SAAD MOHAMED ELBARAMAWY (EGYPT)** **2.** **3.**
(72)	**1. HUSSEIN SAAD MOHAMED ELBARAMAWY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) IMPLEMENT FOR SHEARING THE HAIR

Patent Period Started in 07/05/2002 and Ends in 06/05/2009

(57) This machine or (implement) is very simple to user for all people to shearing the head hair by borber. as shown in the drawing (A-B-C-D).
There are many types of implement to shearing the head hair without comp or shears only by (avazar or arezor pulley with sharp edged putting in implement (Joint or separately).
This is a simple process to shearing the head by putting it in left

Advantage of user

1- Facility of user to barber or ordinary babour
2- Facility of clean to barber
3- Faster of (shearing , determine and quality the hair head)

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

PATENT'S ABSTRACTS

Egyptian Patent Office

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Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	٢٧/١٢/١٩٩٩ ١٦٦١/١٩٩٩ September ٢٠٠٤ ٠٥/٠٣/٢٠٠٥ ٢٣٣٨٠

(٥١)	Int. Cl.[٧] A٦١B ١/٣٠
(٧١)	١. DR. MOHAMED YASSER FAROUK IBRAHIM EL BATAL (EGYPT) ٢. ٣.
(٧٢)	١. DR. MOHAMED YASSER FAROUK IBRAHIM EL BATAL ٢. ٣.
(٧٣)	١. ٢.
(٣٠)	١. ٢. ٣.
(٧٤)	
(١٢)	Patent

(٥٤)	**SUCCTION CANULA USED FOR SUCCTION OF ABDOMINAL SYSTS LAPAROSCOPY OR ABDOMINALLY WITHOUT LEAKAGE OF ITS CONTENTS**
	Patent Period Started in ٢٧/١٢/١٩٩٩ and Ends in ٢٦/١٢/٢٠١٩

(٥٧) A piece of laparscopic instruments , it is used in sucction of any cyst in the abdomen either ovarian cyst or gall bladder or any other cyts without spilling of its contents in the abdomen . This is done through ٢ tubes , the outer tube in the form of vaccum chamber to be adherent to the cyst wall the lower end of this chamber has holes to be more adherent to the cyst , & the upper end has valve to give free movement of the inner tube without leakage of the gas used to distend the abdomen . The inner sucction tube has tappering lower end to make a hole in the cyst & sucction of cyst contents without spilling the lower end of the inner sucction tube has cylindrical joint to prevent injury of viscuss , and the outer end has one way valve to give a chance to inject any material in the ovarian cyst . The diameter of the outer tube is ١٨,٥ millimenters and the inner tube diameter is ٥ mm & both tubes are made of transparent fibreglass .

P.S we can manufacture this instrument in large scale and use it in sucction of any cyst in open surgery .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	٠٥/٠٢/٢٠٠٣ ٠١٣٦/٢٠٠٣ November ٢٠٠٤ ٠٩/٠٣/٢٠٠٥ ٢٣٣٨١

(٥١)	**Int. Cl.**[٧] **C٠٧C ٥/٤٨ , ١١/٠٢, ١١/٠٤ & C١٠G ٢٧/٠٤**
(٧١)	١. **BP CHEMICALS LIMITED (UNITED KINGDOM)** ٢. ٣.
(٧٢)	١. **ANDREW L. BURNS** ٢. **DAVID C. GRIFFITHS** ٣. **WILLIAM T. WOODFIN**
(٧٣)	١. ٢.
(٣٠)	١. **(GB) ٢٠٣٠٥٨،٣ – ٠٩/٠٢/٢٠٠٢** ٢. ٣.
(٧٤)	**YASSER FAROUK MOBARAK**
(١٢)	**Patent**

(٥٤) PRODUCTION OF OLEFINS

Patent Period Started in ٠٥/٠٢/٢٠٠٣ and Ends in ٠٤/٠٢/٢٠٢٣

(٥٧) A process for the production of a mono – olefin from a feedstock comprising a paraffinic hydrocarbon which process comprises

a) partially combusting at a pressure of at least barg a mixture of the hydrocarbon feed and a molecular oxygen – containing gas in contact with a catalyst capable of supporting combustion beyond the normal fuel rich limit of flammability where they are reacteed to form a product comprising one or more mono – olefin (s) , carbon monoxide and hydrogen and

b) recovering the one or more olefin (s) .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	٢٨/١٢/١٩٩٩ ١٦٦٩/١٩٩٩ September ٢٠٠٤ ١٣/٠٣/٢٠٠٥ ٢٣٣٨٢

(٥١)	Int. Cl.[٧] A٦١B ١٧/٠٠
(٧١)	١. DR. MOSTAFA ABD EL HAFIZ EL SHERBINY IBRAHIM (EGYPT) ٢. ٣.
(٧٢)	١. DR. MOSTAFA ABD EL HAFIZ EL SHERBINY IBRAHIM ٢. ٣.
(٧٣)	١. ٢.
(٣٠)	١. ٢. ٣.
(٧٤)	
(١٢)	Patent

(٥٤)	**CORONARY ARTERY BYPASS GRAFT BY IMITATING NATURE**
	Patent Period Started in ٢٨/١٢/١٩٩٩ and Ends in ٢٨/١٢/٢٠١٩

(٥٧) ١- coronary artery bypass by imitating the natural coronary artery is a new technique aiming at bringing a coronary artery bypass graft closer to nature .

٢- This is achieved by :

a- Refashioning of the graft to have a radius close to that of the original coronary artery .

b- The graft is fixed on the surface of the heart in a course similar to the natural coronary artery .

٣- The following instruments can be helpful :

١- vein sound or adaptor .

٢- vein refashioning set .

٣- long – blade scissors .

٤- cruciate adjust – ruler .

٥- scaled rubber threads .

٦- piece for measuring the radius of the graft .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	٠٥/١١/٢٠٠٢ ١٢١٥/٢٠٠٢ October ٢٠٠٤ ١٤/٠٣/٢٠٠٥ ٢٣٣٨٣

(٥١)	Int. Cl.[٧] C١٠G ١/٠٠
(٧١)	١. **BP EXPLORATION OPERATING COMPANY LIMITED (UNITED KINGDOM)** ٢. ٣.
(٧٢)	١. **JOSEPHUS J. FONT FREIDE** ٢. ٣.
(٧٣)	١. ٢. ٣.
(٣٠)	١. (GB) ٠١٢٦٦٤٨،٥ – ٠٦/١١/٢٠٠١ ٢. ٣.
(٧٤)	**SHADY FAROUK MOBARAK**
(١٢)	**Patent**

(٥٤)	**FISCHER TROPSCH COMPOSITION PROCESS**
	Patent Period Started in ٠٥/١١/٢٠٠٢ and Ends in ٠٤/١١/٢٠٢٢

(٥٧) The present invention provides an upgraded synthetic gasoline having a true boiling point (TBP) range of between ٥٠ °C a sulphur content of less than ١ppm, a nitrogen content of less than Ippm, an aromatics content of between ٠,٠١٪ - ٣٥٪ by weight an olefins content of between ٠,٠١٪ - ٤٥٪ , a benzene content of less thn ١,٠٠٪ by weight , an oxygen content of between ٠,٥ –٣,٠٪ by weight , a RON of greater than ٨٠, and a MON of greater than ٨٠. The invention also provides processes for the production of the upgraded synthetic gasoline wherein the synthetic products derived from a fischer – tropsch reaction are passed to a cracking reactor to produce a synthetic gasoline stream which is subsequently fractionated and upgraded using an oxygenating reactor, and optionally a combination of an MTBE reactor , a dehydrocyclodimerisation reactor and C٥ isomerisation reactor . The upgraded synthetic gasoline is useful as a fuel .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	١٩/٧/٢٠٠٣ ٠٦٩٥/٢٠٠٣ October ٢٠٠٤ ١٥/٠٣/٢٠٠٥ ٢٣٣٨٤

(٥١)	**Int. Cl.^{٧} G٠١N ٢١/٧١, ١٥/٠٢, ١/٢٢**
(٧١)	١. **COLUMBIAN CHEMICALS COMPANY (UNITED STATES OF AMERICA)** ٢. ٣.
(٧٢)	١. **BARRY J. STAGG** ٢. ٣.
(٧٣)	١. ٢.
(٣٠)	١. ٢. ٣.
(٧٤)	**MAHMOUD RAGAEE EL DOKY**
(١٢)	**Patent**

(٥٤)	**CARBON BLACK SAMPLING FOR PARTICLES SURFACE AREA MEASUREMENT USING LASER INDUCED INCANDESCENCE AND REACTOR PROCESS CONTROL BASED THEREON**
	Patent Period Started in ١٩/٠٧/٢٠٠٣ and Ends in ١٨/٠٧/٢٠٢٣

(٥٧) Method for in – situ sampling and measuring particulate (e.g. , carbon black) fineness in a process stream , such as in a carbon black reactor , comprising sampling particles in situ from a process stream , adjusting the sample to conditions suitable for LII, measuring the fineness using LII and correlating the LII fineness measurement with actual particle fineness . Method for in – situ sampling a particle – containing stream and measuring particle fineness using laser – induced incandescence comprising sampling particles in-situ, adjusting the sample to conditions suitable fore measurement with actual particle fineness. Also included is a method of sampling and controlling a process based on the real – time, on – line, in – situ methods for sampling and measuring particles . Sampling can comprise drawing a sidestream from a source of the particles . Adjusting the sample to conditions suitable for LII can comprise diluting the sample or bringing the temperature of the sample to ambient conditions . Correlating may comprise using a correlation function determined by comparing LII measurements and laboratory fineness measurements for particle samples drawn at the same time .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	٣١/١٢/٢٠٠٠ ١٦١٠/٢٠٠٠ November ٢٠٠٤ ١٦/٠٣/٢٠٠٥ ٢٣٣٨٥

(٥١)	**Int. Cl.**[٧]	**A٠١N ٤٣/٣٤**
(٧١)	١. **NATIONAL INSTITUTE OF LASER ENHANCED SCIPNCE (EGYPT)** ٢. ٣.	
(٧٢	١. **PROF. DR. MAHMOUD HASHIM ABDEL KADER** ٢. **DR. EL SAID ABDEL MEGID EL SHERBINY** ٣. **PROF. DR. MOHAMED HELMY BLAL**	٤. **DR. TAREK ABDALLA EL TAIB** ٥. **SHERIF MOHAMED AMIN AIOP** ٦. **SOAD AHMED FRKHALY ELFEKY**
(٧٣)	١. ٢.	
(٣٠)	١. ٢. ٣.	
(٧٤)		
(١٢)		**Patent**

(٥٤)	**USING SUNLIGHT AND THE DERIVATIVES OF PORPHYRIN AND PHRHALCYANINE TO CONTROL THE ADULT OF WHITE FLY (BEMISIA TABACI)**
	Patent Period Started in ٣١/١٢/٢٠٠٠ and Ends in ٣٠/١٢/٢٠٢٠

(٥٧) M ore than١٠٠٠ whitefly species exist in the world. The sweatpotato whitefly (bemisia tabaci) is one of the more pestiferous of the group. It ayyacks more than ٥٠٠ species of plants. The damages caused by whitefly are early wilting, reduction of plant growth rate and therefore plant death. In addition, another damage is caused by the vectoring of plant viruses by this insect. There are two ways of management and control of white fly which are biologival control by prarasites, predators and fungi and the chemical control by using insecticides like:

Organophosphates (OP), Endosulfan, Oxyquinox, Oxamyl emulsion, Oximecarbamate Aldicarb Permethrin and etc · The insect has gain resistance to the action of the insecticides due to several use of these insecticides. In our laboratory, we developed a noval technique using sunlight and environmentally friendly scnsitizer to control the adult of whitefly. In the present work we used derivatives which absorb the visible solar spectrum generating a cytotoxic singlet pxygen.

The results reveal that, at ٥ x ١٠-٣ M/L of porphyrin derivatives ٦٧٪ mortatity was obtained, while at ١٠–٢ M/L of phthalocyanine ٩٠٪ mortality was obtained. The insect did not affected in dark by scnsitizer.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	١٧/٠٤/٢٠٠٢ ٠٤٠١/٢٠٠٢ December ٢٠٠٤ ١٩/٠٣/٢٠٠٥ ٢٣٣٨٦

(٥١)	Int. Cl.[٧]	F٢٥J ٣/٠٠
(٧١)	١. ELCOR CORPORATION (UNITED STATES OF AMERICA) ٢. ٣.	
(٧٢)	١. WANDA P. CAMPBELL ٢. JOHN D. WILKINSON ٣. HANK M. HUDSON	٤. KYLE T. CUELLAR
(٧٣)	١. ٢..	
(٣٠)	١. (US) ٨٣٩،٩٠٧/٠٩ – ٢٠/٠٤/٢٠٠١ ٢. ٣.	
(٧٤)	GOURG AZIZ ABDEL MALEK	
(١٢)	Patent	

(٥٤)	**LNG PRODUCTION IN CRYOGENIC NATURAL GAS PROCESSING PLANTS**
	Patent Period Started in ١٧/٠٤/٢٠٠٢ and Ends in ١٦/٠٤/٢٠٢٢

(٥٧) A proccss for liquefying natural gas in congunction with processing natural gas to recover natural gas liquids (NGL) is disclosed. In the process, the natural gas stream to be liquefied is taken from one of the streams in the NGL reconery plant and cooled under pressure to condense it. A distillation stream is withdrawn from the NGL recovery p;ant to provide some of the cooling required to condense the natural gas stream. The condensed natural gas stream is expanded to an intermediate pressure and supplied to a mid-column feed point on a distillation coumn. The bottom product from this distillation column preferentially contains the majority of any hydrocarbons heavier than mrthane that would otherwise reduce the purity of the liquefied natural gas, and is routed to the NGL recovery plant so that these heavier hydrocarbons can be recovered in the NGL product . The overhead vapor from the distillation column is cooled and condensed and a portion of the condensed stream is supplied to a top feed point on the distillation column to serve as reflux . A second portion of the condensed stream is expanded to low pressure to form the liquefied natural gas stream

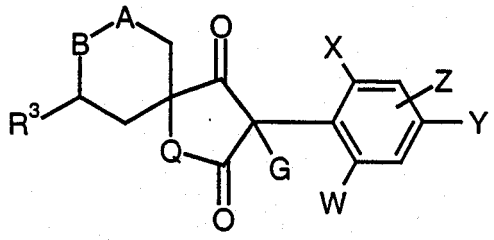
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	٢٢/٠٩/٢٠٠٢ ١٠٥٠/٢٠٠٢ October ٢٠٠٤ ١٩/٠٣/٢٠٠٥ ٢٣٣٨٧

(٥١)	**Int. Cl.^{٧} C٠٧D ٢٠٩/٥٤ , ٣٠٧/٩٤ , ٤٩١/١٠ & A٠١N ٤٣/١٢ , ٤٣/٣٨**	
(٧١)	١. **BAYER AKTIENGESELLSCHAFT (GERMANY)** ٢. ٣.	
(٧٢	١. **REINER FISCHER** ٢. **ASTRID ULLMANN** ٣. **THOMAS BRETSCHNEIDER** ٤. **MARK W. DREWES**	٥. **CHRISTOPH ERDELEN** ٦. **DIETER FEUCHT** ٧. **UDO RECKMANN**
(٧٣)	١. ٢.	
(٣٠)	١. ٢. ٣.	
(٧٤)		
(١٢)		**Patent**

(٥٤) SPIROCVCLIC ٣- PHENVL –٣- SUBSTITUTED ٠٤٠ KETOLACTAMS AND - LACTONES

Patent Period Started in and Ends in

(٥٧) The present invention relates to novel phenyl-substituted ٤-ketolactams and – lactones of the formula (I)



(I)

In which
A,B,Q,G,W,X,Y,Z and R^{٣} are as defined above,

- to processes and intermediates for their preparation and to their use as pesticides,
- microbicides and herbicides.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	١٠/٠٣/٢٠٠٣ ٠٢٤١/٢٠٠٣ December ٢٠٠٤ ٢٦/٠٣/٢٠٠٥ ٢٣٣٨٨

(٥١)	Int. Cl.[٧]	C١٢N ١٥/١٠
(٧١)	١. MUBARAK CITY FOR SCIENTIFIC RESEARCH AND TECHNOLOGY APPLICATIONS (EGYPT) ٢. ٣.	
(٧٢)	١. DR.YASSER REFAAT ABDEL FATTAH ٢. DR.HESHAM MOHMOUD SAEED ٣. DR. MAHMOUD EL SAYED BEREKAA	٤. YOUSRY MAHMOUD GOHAR
(٧٣)	١. ٢.	
(٣٠)	١. ٢. ٣.	
(٧٤)		
(١٢)		Patent

(٥٤) DIAGNOSTIC KIT FOR DNA ISOLATION FROM BLOOD AND BODY FLUIDS

Patent Period Started in ١٠/٠٣/٢٠٠٣ and Ends in ٠٩/٠٣/٢٠٢٣

(٥٧) The diagnostic kit subject of patency involves method for isolating DNA from blood and body fluids in pure form. This mthod comprised of ٤ major steps in which the four solutions constituting the deagnostic kit are used.

First solution is used for lysis of non-nucleated RBCs. Second solution is used to lvse the WBCs for extracting the DNA. To get rid o protein contaminants, solution ٣ which is composed of saturated solution of ammonium sulfate is used to efficiently precipitate cellular proteins. After DNA precipitation it is re-hydrated using solution ٤ that promotes the thereafter PCR applications which are widely used in medical diagnosis.

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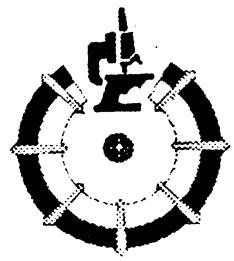

PATENT'S ABSTRACTS

Egyptian Patent Office

Issue No 108 May 2005

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)**	**14/01/2003** **0026/2003** **November2004** **12/04/2005** **23389**

(51)	**Int. Cl.[7]** **A46D 3/04**
(71)	**1. CORONET – WERKE GMBH (GERMAY)** **2.** **3.**
(72)	**1. GEORGE WEIHRAUCH** **2.**
(73)	**1.** **2.** **3.**
(30)	**1. (DE) 10201635.6 – 17/01/2002** **2.** **3.**
(74)	**MOHAMED MOHAMED BEKIR**
(12)	**Patent**

(54) METHOD AND DEVICE FOR PRODUCING BRISTLES

Patent Period Started in 14/01/2003 and Ends in 13/01/2023

(57) In a method for producing a bristle from thermoplastic polymers through injection molding , the molten polymer mass is injected under pressure into a bristle – molding channel of predetermined length having a predetermined cross – section along this length and the channel is vented during injection molding. To produce injection – molded bristles with excellent bending behavior, the magnitude of the injection pressure is adjusted in dependence on the cross- sectional extension of the bristle-molding channel such that a shear flow is generated with high core speed in the center of the molten polymer mass flow and large shearing effect due to wall friction of the molten polymer mass under distinct longitudinal orientation of the polymer molecules at least in the region of the molten polymer mass close to the wall , which is maintained along the channel wherein the channel is simultaneously vented along its length to support maintenance of the shear flow. A device for carrying out the method 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)**	**30/12/2002** **1410/2002** **January 2005** **16/04/2005** **23390**

(51)	**Int. Cl.[7]** **A47L 9/16**
(71)	**1. SAMSUNG GWAGJU ELECTRONICS CO LTD (REPUBLIC OF KOREA)** **2.** **3.**
(72)	**1. JANG – KEUN OH** **2. HYUN – JU LEE** **3. SUNG – TAE JOO**
(73)	**1.** **2.**
(30)	**1. (KR) 31273/2002 – 04/06/2002** **2.** **3.**
(74)	**SAMAR AHMED ELLABBAD**
(12)	**Patent**

(54) CYCLONE – TYPE DUST- COLLECTING APPARATUS FOR USE IN A VACUUM LEANER

Patent Period Started in 30/12/2002 and Ends 29/12/2022

(57) A cyclone – type dust – collecting apparatus for use in a vacuum cleaner has a cyclone body having an inflow. Port and an outflow port, the cyclone body being capable of forming a whirling air current from dustladen air rawn into the vacuum cleaner through the inflow pot; a dust-collecting chamber being removably connected with the cyclone body, for collecting dust separated from the drawn air in the whirling air cuirent; and a grill assembly disposed at the outflow port of the cyclone body for preventing a reverse flow of dust ihrough the outflow port of the cyclone body. The grill assembly has a first grill member having a supporting portion supported on the outflow port of the cyclone body; a second grill member removably connected to a lower opening of the first grill member; and a grill portion provided to define a passage in fluid communication with the outflow port in an outer circumference of the second grill member.

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)**	**08/10/2002** **1099/2002** **January 2005** **16/04/2005** **23391**

(51)	**Int. Cl.[7] C08L 23/14, 23/16**
(71)	**1. BASELL POLIOLEFINE ITALIA SPA (ITALY)** **2.** **3.**
(72)	**1. ANTEO PELLICONI** **2. ENEA GARGNANI** **3. PAOLA SGARZI**
(73)	**1.** **2.**
(30)	**1. (EP) 01124023/1 –09/10/2001** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54) CRYSTALLINE PROPYLENE COPOLYMER COMPOSITIONS HAVING IMPROVED SEALABILITY AND OPTICAL PROPERTIES AND REDUCED SOLUBILITY

Patent Period Started in 08/10/2002 and Ends in 07/10/2022

(57) Propylene polymer compositions comprising (by weight):

A)from 15% to 60% with C_4-C_3 alpha-olefin (s), containing more than 10% but less than14% of said C_4-C_3 alpha-olefin (s);

B) from 40% to 85% of a copolymer of propylene with C_4-C_3 alpha-olefin (s), preferably butene, cotaining from 14% to 30% of said C_4-C_3 alpha-olefin (s), and optionally from 0.5% to3% of ethylene.

Provided that the total content of C_4-C_3 alpha – olefin (s) in the propylene polymer composition be higher than 10%

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)**	**14/09/2002** **1027/2002** **January 2005** **27/04/2005** **23392**

(51)	**Int. Cl.[7]** **A61K 39/00**
(71)	**1. EGYPTIAN ORGANIZATION FOR BIOLOGICAL PRODUTS (EGYPT)** **2.** **3.**
(72)	**1. Dr. MOHAMED SALEM EL EBADY** **2. Dr. RAFIK TAWFIK MOHAMED** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**NESRIN CHEHATA KOTB**
(12)	**Patent**

(54) BLOOD GROUPING REAGENTS A ,B BY MONOCLONAL ANTIBODIES

Patent Period Started in 14/09/2002 and Ends in 13/09/2022

(57)

- Blood grouping reagents A , B by monoclonal Antibodies Technique by which large quantities of antibodies (targeted against a particular antigen which is in our case blood group A, B cells) can be produced.
- A mouse is immunized by injection of human red cells group A ,B to stimulate production of Anti- A or Anti –B for human red cells.
- Isolation of antibodies produced from mouse's spleen cells.
- Monoclonal antibodies are produced by fusing single spleenocyte with tumor cell to form HYBRIDOMAN, each of which produces large quantities of specific antibody needed.

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)**	**19/02/2003** **0173/2003** **January 2005** **27/04/2005** **23393**

(51)	**Int. Cl.[7]** **C07C 5/333 & C10G 11/00**
(71)	**1. BP CHEMICALS LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. WILLIAM T. WOODFIN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 0204140,8 – 22/02/2002** **2.** **3.**
(74)	**YASSER FAROUK MOBARAK**
(12)	**Patent**

(54) PRODUCTION OF OLEFINS

Patent Period Started in 19/02/2003 and Ends 18/02/2023

The preset invention provides a process for the production of mono-olefins from a paraffin-containing hydrocarbon feed, comprising partially combusting a mixture of the hydrocarbon feed and a molecular oxygen-containing gas in contact with a catalyst capable of supporting combustion beyond the normal fuel rich limit of flammability and subsequently separating the products of said combustion wherein energy for the separation is provided by a cogeneration process which simultaneously produces thermal energy and mechanical energy by combustion of fuel, the mechanical energy being converted to electricity, and the thermal energy being used to create steam for use in a steam turbine.

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

PATENT'S ABSTRACTS

Egyptian Patent Office

Issue No 109 June 2005

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)**	**27/03/2002**
		(21)	**0326/2002**
		(44)	**January 2005**
		(45)	**11/05/2005**
		(11)	**23394**

(51)	**Int. Cl.[7] A23L 1/16, 1/168**	
(71)	**1. COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH (INDIA)** **2.** **3.**	
(72)	**1. MANCHANAHALLI SH. MEERA** **2. SYED Z. ALI** **3. HAMPAPURA V. NARASIMHA**	**4. MANDAYAM K. BHASHYAM** **5. ANATHACHAR SRINIVAS** **6. BARAGI V. RAO SATHENDRA RAO**
(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)	**GOERGE AZZIZ ABD ELMALEK**	
(12)	**Patent**	

(54) A METHOD FOR PREPARING A PRODUCT BASED ON SORGHUM AND PEARL MILLET GRAIN BASSED PRODUCT HAVING ENHANCED SHELF LIFT AND ITS PROCESS

Patent Period Started in 27/03/2002 and Ends in 26/03/2022

The present invention relates to a method for preparing a product obtained from the grains of sorghum and pearl millet having an enhanced shelf life with the retention of nutritive germ. The present invention also relates to a process for its production.

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) 02/03/2002** **(21) 0223/2002** **(44) December 2004** **(45) 11/05/2005** **(11) 23395**

(51)	**Int. Cl.[7] C01B 11/00**
(71)	**1. THE GERD BORCHERS FAMILL TRUST (SOUTH AFRICA)** **2. THE CILLI ERS FAMILY TRUST (SOUTH AFRICA)** **3. ZENWILL LACOB (SOUTH AFRICA)**
(72)	**1. JAN B. CILLIERS** **2. MARTHA S. CILLIERS** **3.**
(73)	**1.** **2.**
(30)	**1. (ZA) 1795/2001– 02/03/2001 & 6301/2001 – 31/*07/2001** **2.** **3.**
(74)	**GOERGE AZZIZ ABD ELMALEK**
(12)	**Patent**

(54)	**STABILISED HYPOBROMOUS ACID SOLUTIONS**
	Patent Period Started in 02/03/2002 and Ends in 01/03/2022

(57) This invention relates to a method for preparing a stabilized stock hypobromous acid solution and to a stabilized stock hypobromus acid solution. The stabilized stock solution has a hyporomous acid concentration of less than 30% (m/m) and contains an amount of cyanuric acid as a stabilizer not exceeding 1ppm. The solution may be used for treating any type of water but has particular in treating drinking water and irrigation water.

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)**	**25/05/2002** **0558/2002** **February 2005** **17/05/2005** **23396**

(51)	**Int. Cl.[7]** **C07C 15/04 & G01N 33/26**
(71)	**1. MAHMOUD RAMADAN ALI HASSAN (EGYPT)** **2.** **3.**
(72)	**1. MAHMOUD RAMADAN ALI HASSAN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) APPARATUS FOR MEASURING THE BENZENE PUMBES

Patent Period Started in 25/05/2002 and Ends in 24/05/2022

(57) Apparatus for measuring the Benzene Pumbes. The apparatus consists of a reclangular parallelepiped metal container. 21 liter capacity having in its upper face, an opening for benzene entrance; an opening for air release and a graduated glass tube meter showing the capacity from 4 liters up to 21 liters this meter is connected with a metal tube inside the container, which inclose a floating ball fixed to the moving lever inside the glass tube meter, and pointing to the number of liters. This taken amount is evacuated by mean of a stopper fixed in the bottom of the apparatus and that is connected with a rubber tube to release the benzene in the main tank of the station.

The apparatus is adjusted vertically by mean of four screws fixed on the four corners of a quarter metal base inside a metal box fixed in it a hand to left the apparatus from one place to another.

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) 31/12/2000** **(21) 1607/2000** **(44) January 2005** **(45) 18/05/2005** **(11) 23397**

(51)	**Int. Cl.^{7} A01N 43/34**	
(71)	**1. NATIONAL INSTITUTE OF LEASER ENHANCED SCIENCE (NILES)** **2.** **3.**	
(72)	**1. MAHMOUD HASHEM ABDEL KADER** **2. AL-SAYED ABDEL MAJUIED AL-SHERBINI** **3. TAREK ABD ALLAH EL TAYEB**	**4. OMIMA AHMED MANDOUR**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)		
(12)		**Patent**

(54) VISIBLE SOLAR IRRADIANCE IN PRESENCE OF ENVIRONMENTALLY HARMLESS PHOTOSENSITIZERS FOR CONTROL THE EGGS AND CERCARIAE OF SCHISTOSOMA MANSONI AND SEHISTOSOMA HEAMATOBIOWN

Patent Period Started in 31/12/2000 and Ends in 30/12/2020

(57) There are a number of species of schistosomes that can infect humans, but most human infections are caused by one of the there following species: Schistosoma mansoni; S. haematobium and S.japonicum. schistosomiasis is a world health problem. It is estimated that approximately 200 million people are infected with Schistosomes, resulting in one million death each year.

In on laboratory, we developed a novel method using sunlight and hematoporphyrin for controlling eggs and cercariae of S. mansoni and S. heamatobioum. The hematoporphyrin used in this study is characterized by a low environmental impact and minimal risk for plant, animal and human ecosystems. In addition, it seems to have no intrinsic toxic effects and no detectable metabolic aleration. The results reveal that the precentage of survival of these stages is affected strongly by different factors such as concentration of hematoporphpyrin, (10^{-7} – 10^{-2} M/L) light intensity (250-650 W/m^{2}) and time of exposure (15-35 minutes). The overall effciency of hematoporphyrin photosensitization can be modulated through a adequate interplay of selected experiment.

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)**	**21/09/2002**
		(21)	**1044/2002**
		(44)	**February 2005**
		(45)	**21/05/2005**
		(11)	**23398**

(51)	**Int. Cl.[7] A61k 39/10, 39/02**
(71)	**1. MANAL MOHAMED EL SAID AHMED (EGYPT)** **2. RAFIK TAWFIK MOHAMED SOLIMAN (EGYPT)** **3. GAKLIN KAMAL ABD EL HALIM EL GAKI (EGYPT)**
(72)	**1. MANAL MOHAMED EL SAID AHMED** **2. RAFIK TAWFIK MOHAMED SOLIMAN** **3. GAKLIN KAMAL ABD EL HALIM EL GAKI**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**EVALUATION OF THE IMMUNIZING POTENTIAL OF PSEUDOMONAS AERUGINOSA VACCINE IN CHICKENS**
	Patent Period Started in 21/09/2002 and Ends in 20/09/2022

(57) A total of 75 P. aeruginosa isolates were secured out of 280 samples from diseased chickens suffering from different respiratory manifestations. The isolates were characterized and sterotyped. The most prevalent serotypes were detected. An inactivated polyvalent aeruginosa vaceine was prepared from these scrotypes. The inactivation was achieved through madiation with Cobalt 60. The quality control analysis of the prepared irradiation vaccine indicated that it was safe and its use was not associated with any clinical distress. Application of ELISA for evaluation of humoral immune response developed against P. aeruginosa in the vaccinated chicken groups showed significant increase in antibody titers, which was influenced by the route of immunization. The protection rates post challenge reached 100%, 96% and 90% among the intramuscularly, subcutaneously and orally vaccinated chicken groups, respectively. Also vaccination of egg laying hens with the prepared vaccine stimulated formation and concentration of P. aeruginosa-specific lg Y in the egg yolk.

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)**	**16/10/2001** **1088/2001** **February 2005** **22/05/2005** **23399**

(51)	**Int. Cl.[7]** **C10B 49/00**
(71)	**1. PROF DR. HEISSIN KHALIL GHARIB (EGYPT)** **2. FAWZY ALY EL AMROUSY (EGYPT)** **3.**
(72)	**1. HUSSEIN KHALIL GHARIB** **2. FAWZY ALY EL AMROUSY** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**NON CONVENTIONAL METHOD FOR CONVERSION OF ORGANIC AGRICULTURAL, INDUSTRIAL AND MUNICIPAL SOLID WASTES TO CHAR COAL**
	Patent Period Started in 16/10/2001 and Ends in 15/10/2021

(57) This invention concerned with novel Instrument and process for production of charcoal of high calorific value and easy in burning and also production of chemical compounds have high economic value. This occurs via the thermal treatment for agricultural, industrial and municipal organic solid wastes.

Where the organic solid wastes have been crashed and compressed to reducing its volume for charging it in a great amount inside the carbonization furnace. This furnace is portable furnace in a parallel rectangular shape and made from tin and iron, connected in series with number of barrels which connected in series with number of barrels which connected with each other by pipe and ended by blower work by motor. Evacuating the produced gases during the carbonization process by blower this give a chance for the volatile chemical compounds to condense inside the barrels.

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** **1268/2001** **February 2005** **24/05/2005** **23400**

(51)	**Int. Cl.[7] G06F 17/30**
(71)	**1. COPPEREYE LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. DUNCAN G. PAULY** **2.**
(73)	**1.** **2.** **3.**
(30)	**1. (GB) 0029238,3 – 30/11/2000** **2.** **3.**
(74)	**GEORGE AZZIZ ABD ELMALEK**
(12)	**Patent**

(54)	**DATABASE**
	Patent Period Started in 28/11/2001 and Ends in 27/11/2021

(57) A database is provided in which an index for the database is provided as a hierarchical structure of nodes that are navigated during a search until a conclusion set is reached, and the structure is organized such that key information relating to a nodes is inferred from the position of the node in the structure.

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)**	**07/06/2003** **0541/2003** **February 2005** **24/05/2005** **23401**

(51)	**Int. Cl.[7] E21B 37/06**
(71)	**1. BP EXPLORATION OPERATING COMPANY LIMITED (UNITED KIGDOM)** **2.** **3.**
(72)	**1. IAN R. COLLINS** **2. SIMON N. DUNCUM**
(73)	**1.** **2.** **3.**
(30)	**1. (GB) 0213600,0 – 13/06/2002** **2.** **3.**
(74)	**SHADY FAROUK MUBARAK**
(12)	**Patent**

(54) SCALE INHIBITION METHOD

Patent Period Started in 07/06/2003 and Ends in 06/06/2023

(57) A method of inhibiting scale formation in a subterranean formation comprising:

injecting a suspension comprising particles of a controlled release scale inhibitor suspended in an aqueous medium into a formation through an injection well wherein the particles have a mean diameter of less than 10 microns, preferably less than 5 microns, more preferably less than 1 micron..

allowing the suspension to percolate throuhg the subterraean formation towards a production well ; and

controllably releasing the scale inhibitor form the particles in the near well bore region of the production well.

Suitably, the particles of the controlled release scale inhibitor comprise an esterifiable scale inhibitor cross- linked with a polyol via ester cross-links.

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)**	**20/05/2003** **0475/2003** **February 2005** **29/05/2005** **23402**

(51)	**Int. Cl.^{7} B21B 29/00**	
(71)	**1. SMS DEMAG AG (GERMANY)** **2.** **3.**	
(72)	**1. KARL KELLER** **2. ACHIM KLEIN** **3. MICHAEL BREUER**	**4. JORN SOHLER** **5. KURT SCHEFFE**
(73)	**1.** **2.**	
(30)	**1. (DE) 10223864,2 – 29/05/2002 & 10261758,9 – 30/12/2002** **2.** **3.**	
(74)	**HODA ANIS SERAG EDDIN**	
(12)	**Patent**	

(54) A DEVICE FOR INFLUENCING THE CONTACT FORCE OF PRESSING ROLLS IN A CONTROLLED FASHION

Patent Period Started in 20/5/2003 and Ends in 19/05/2023

(57) An apparatus for controlled influencing of the supporting forces of backing rollers SW resting on working rollers whose pivots WZ supported in roller or sliding bearings in a bearing support housing of the rollers of a roller stand have a pivot attachment ZA supported in a step bearing whose bearing housing LG is attached to the bearing support housing on the outside, wherein an intermediate housing ZG inserted in the bearing housing LG and cylindrically encircling the step bearing, is acted upon by a piston cylinder unit RB,SK and is displaceable in position in the bearing housing radically to the axis of the pivot attachment ZA.

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** **1041/2001** **February2005** **29/05/2005** **23403**

(51)	**Int. Cl.^{7} A47L 9/16**
(71)	**1. SAMSUNG KWANGJU ELECTONICS CO LTD (REPUBLIC OF KOREA)** **2.** **3.**
(72)	**1. JANG – KEUN OH** **2.**
(73)	**1.** **2.** **3.**
(30)	**1. (KR) 15417/2001 – 24/03/2001** **2.** **3.**
(74)	**HODA ANIS SERAG EDDIN**
(12)	**Patent**

(54) CYCLONE DUST-COLLECTING APPARATUS FOR VACUUM CLEANER

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

(57) A cyclone dust-collecting apparatus of a vacuum cleaner includes a cyclone body installed at an extension hose for generating air current of vortex from incoming air, a grill for filtering back drafting current of the air current of vortex, and a cyclone cover including a partly blocked plate, which is placed to correspond to the grill, a filth passage for guiding filth to a filth – collecting container, and a first connection member for connecting the cyclone body with the filth-collecting container. The filth-collecting container has second connection member for connecting with the cyclone cover. Accordingly, it can be prevented a grill from being blocked by back drafting of piled filth in filth- collecting container regardless of the position of a user. When the user eliminates collected filth, breakage of a grill or falling down of the filth clung to the grill, can also be prevented

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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)**	**15/01/2003** **0034/2003** **February2005** **31/05/2005** **23404**

(51)	**Int. Cl.[7] B65D 81/00**
(71)	**1. SOCIETE DES PRODUITS NESTLE SA (SWITZERLAND)** **2.** **3.**
(72)	**1. JEAN LUC DENISART** **2. ANTCINE CAHEN** **3. ALFRED YOAKIM**
(73)	**1.** **2.** **3.**
(30)	**1. (EP) 2000943,7 – 16/01/2002** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54)	**CLOSED CAPSULE WITH OPENING MEAN**
	Patent Period Started in 15/01/2003 and Ends in 14/01/2023

(57) The present invention relates to a closed capsule designed to be extracted under pressure in an extraction device, containing a substance for the preparation of a beverage , comprising a closed system containing the said substance and a means inside the said system allowing the said capsule to be opened at the time of its use and allowing the said beverage to flow out without contact with its extraction system

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)**	**30/12/1998** **1623/1998** **February 2005** **31/05/2005** **23405**

(51)	**Int. Cl.[7] G01S 3/786 , 7/539**
(71)	**1. RAYTHEON COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. THOMAS K. LO** **2. W.SCOTT JOHNSTON** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54)	**CLUTTER REJECTION USING ADAPTIVE ESTIMATION OF CLUTTER PROBABILITY DENSITY FUNCTION**
	Patent Period Started in 30/12/1998 and Ends in 29/12/2018

(57) A processor and method for discriminating against interference during target acquisition and reacquisition processing of densely cluttered images. The processor and method that adaptively estimates the feature probability density function of the interference from the image data. The estimated interference probability density function, along with target feature estimates are input to a Bayesian classifier (40) that discriminates the interference from the target.

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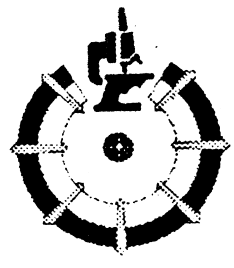

PATENT'S ABSTRACTS

Egyptian Patent Office

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(٥١)	**Int. Cl^{٧} A٦١B ١٧/٥٨, ١٧/٧٠**
(٧١)	١. **Dr. AYMAN ELMITWALLY ELAWADY ELAWA (EGYPT)** ٢. ٣.
(٧٢)	١. **Dr. AYMAN ELMITWALLY ELAWADY ELAWA** ٢. ٣.
(٧٣)	١. ٢.
(٣٠)	١. ٢. ٣.
(٧٤)	
(١٢)	**Patent**

(٥٤)	**SPIN POSTERIOR FIXATION SYSTEMS**
	Patent Period Started in ١٨/٠٢/٢٠٠٢ and Ends in ١٧/٠٢/٢٠٢٢

(٥٧) This is a four system model for posterior transpedicular fixation of scral lumbar & dorsal spine two of them are mobile in two planes, the third is mobile in one plane while the fourth is fixed.

The first three models have a side loading, where as the fourth has a vertical loading of rods on the screws.

These models are designed to distribute the loading force on the screws in one plane only making them more fixed and able to withstand more forces and strains during body movements accompanied with easy applicability for surgery.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	١٤/٠٥/٢٠٠٣ ٠٤٤٦/٢٠٠٣ **March** ٢٠٠٥ ١٤/٠٦/٢٠٠٥ ٢٣٤٠٧

(٥١)	**Int. Cl** [٧] **B٦٥D ٤٧/٠٦**
(٧١)	١. **SIG TECHNOLOGY LTD (SWITZERLAND)** ٢. ٣.
(٧٢)	١. **MARKUS WASSUM** ٢. ٣.
(٧٣)	١. ٢.
(٣٠)	١. **(CH)** ٢٠٠٢٠٨١٨/٠٢ – ١٦/٠٥/٢٠٠٢ ٢. ٣.
(٧٤)	**MAGDA SHEHATA HAROUN & NADIA SHEHATA HAROUN**
(١٢)	**Patent**

(٥٤) POURING CLOSURE FOR LIQUID PACKAGINGS

Patent Period Started in ١٤/٠٥/٢٠٠٣ and Ends in ١٣/٠٥/٢٠٢٣

(٥٧) The pouring closur for liquid packagings comprises a pouring stem with a radially projecting bottom edge and a threaded cover. Threaded cover has a larger diameter than pouring stem, and an elastically deformable ring element is disposed between pouring stem and threaded cover. The ring surface of the ring element runs obliquely to the ring plane, with the inner ring edge ending in an downwardly directed projection which can be clipped over pouring stem. The outer edge ends in an upwardly directed projection, which is provided with an outer thread for screwing on cover. This ring element can be elastically deformed to spring into two stable states, namely, and firstly, into a state with the ring surface sloping downwards from the inner to the outer ring edge. In this state, the pouring closure is compressed, and less than ٥mm high. In the other state with the ring surface rinsing upwards, the pouring closure is around three times higher and ensures the liquid can be reliably poured out beyond the ٥mm high rim of liquid packaging, which is positioned approximately ١١mm distant from pouring stem.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	٢٧/٠٤/٢٠٠٣ ٠٤٠٢/٢٠٠٣ **March** ٢٠٠٥ ١٩/٠٦/٢٠٠٥ ٢٣٤٠٨

(٥١)	**Int. Cl [٧] F٢٦B ٥/١٤**
(٧١)	١. **SHEN – BA LEE (TAIWAN)** ٢. ٣.
(٧٢)	١. **SHEN – BA LEE** ٢. ٣.
(٧٣)	١. ٢.
(٣٠)	١. ٢. ٣.
(٧٤)	**SAMAR AHMED EL LABBAD**
(١٢)	**Patent**

(٥٤)	**METHOD FOR PRODUCING A PIECE OF TIMBER INCLUDING HEARTWOOD**
	Patent Period Started in ٢٧/٠٤/٢٠٠٣ and Ends in ٢٦/٠٤/٢٠٢٣

(٥٧) A method for making wood with heartwood has steps of forming a wood log with a heartwood from a tree, pressure treatment to the wood log with the heartwood, drying the log and forming the wood log to desired shape. The pressure treatment process is to apply a desired pressure to the wood log to reduce a moisture content of the wood log with the heartwood to an even level. This can avoid the wood log with the heartwood to split, crack or deform during the drying process. The utilization of a tree can be increased, and the process for gain a wood material is simplified.

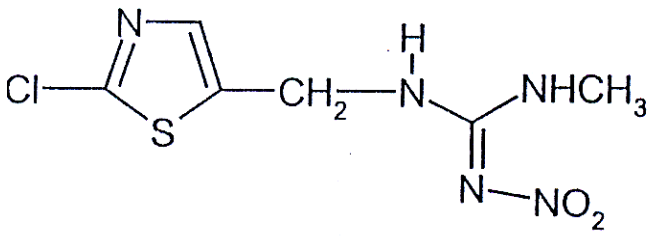
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	٢٧/٠١/٢٠٠٣ ٠٠٧٧/٢٠٠٣ **March** ٢٠٠٥ ٢١/٠٦/٢٠٠٥ ٢٣٤٠٩

(٥١)	**Int. Cl ^{٧} A٠١N ٥١/٠٠**
(٧١)	١. **BAYER CROPSCHENE AG (GERMANY)** ٢. ٣.
(٧٢)	١. **WOLFRAM ANDERSCH** ٢. **CHRISTOPH ERDELEN** ٣. **PETER JESCHKE**
(٧٣)	١. ٢.
(٣٠)	١. **(DE)** ١٠٢٠٣٦٨٨,٨ – ٣١/٠١/٢٠٠٢ ٢. ٣.
(٧٤)	**SOHIER MIKHAIEL RIZK & SALWA MIKHAIEL RIZK & SAMY MIKHAIEL RIZK**
(١٢)	**Patent**

(٥٤) SYNERGISTIC INSECTICIDAL MIXTURES

Patent Period Started in ٢٧/٠١/٢٠٠٣ and Ends in ٢٦/٠١/٢٠٢٣

(٥٧) The invention relates to insecticidal mixtures, comprising the compound of the formula (١)



and at least one further known active compound from the group consisting of abamectin, emamectin or emamectin benzoate, methiocarb, β-cyfluthrin and lambda-cyhalothrin, and to the use of these mixtures 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	(٢٢) (٢١) (٤٤) (٤٥) (١١)	٢٠/١١/٢٠٠٠ ١٤٤٩/٢٠٠٠ March ٢٠٠٥ ٢٢/٠٦/٢٠٠٥ ٢٣٤١٠

(٥١)	Int. Cl [٧] A٠١G ٢٧/٠٠ & D٠٦F ٣٣/٠٢
(٧١)	١. MAHMOUD HAMED MOHAMED MOHEY ELDIN (EGYPT) ٢. ٣.
(٧٢)	١. MAHMOUD HAMED MOHAMED MOHEY ELDIN ٢. ٣.
(٧٣)	١. ٢.
(٣٠)	١. ٢. ٣.
(٧٤)	
(١٢)	Patent

(٥٤)	**TIMER LEFT AND RIGHT**
	Patent Period Started in ٢٠/١١/٢٠٠٠ and Ends in ١٩/١١/٢٠٢٠

(٥٧) It is which means a motor volt micro switch, opposition and all this in a box.

The main invention function is the difference from all kinds of timers because it work in two directions left and right. Its main target it is cancel any special out connections with machine which contain a system of end of way specially the winches and derricks.

It synthesis inside control board itself and it cancels special's contents by end of way like limit switch, prokcemty or photo cell and this is a distinction not found at the current timers.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	٣٠/٠٨/٢٠٠٣ ٠٨٤٨/٢٠٠٣ **March** ٢٠٠٥ ٢٢/٠٦/٢٠٠٥ ٢٣٤١١

(٥١)	**Int. Cl ^{٧} B٦٥B ١٧/٠٠**
(٧١)	١٠ **Prof. Dr. MAHMOUD GHARIB DESOUKY EL SHERBINY (EGYPT)** ٢. ٣.
(٧٣)	١٠ **Prof. Dr. MAHMOUD GHARIB DESOUKY EL SHERBINY** ٢. ٣.
(٣٠)	١. ٢. ٣.
(٧٤)	
(١٢)	**Patent**

(٥٤)	**CARTON PACKAGE ADHESION MACHINE**
	Patent Period Started in ٣٠/٠٨/٢٠٠٣ and Ends in ٢٩/٠٨/٢٠٢٣

(٥٧) The packaging process is very important in most industries, and its required to be automated enough to be suitable for different production rates.

On the other hand this process must use the minimum number of labor, with limited experience and training, in order to minimize the total cost of the packaging process.

The packaging process can be divided into two regimes. The first is concerned with inserting the product into an open box, while the second is concerned with folding the sides of the box, gluing and fixing the open ends. This patent is devoted to the second regime.

This machine consists of some units in sequence to achieve the packaging process, folding operations of the package sides and adhesive material addition are done through these units to produce well sealed packages.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	٢٧/٠٩/٢٠٠٣ ٠٩٤٩/٢٠٠٣ March ٢٠٠٥ ٢٢/٠٦/٢٠٠٥ ٢٣٤١٢

(٥١)	Int. Cl ^{٧} B٦٦F ١٩/٠٠
(٧١)	١. Prof. Dr. MAHMOUD GHARIB DESOUKY EL SHERBINY (EGYPT) ٢. Prof. Dr. MOHAMED ESAM ELDIN ELGEDAWY (EGYPT) ٣.
(٧٣)	١. Prof. Dr. MAHMOUD GHARIB DESOUKY EL SHERBINY ٢. Prof. Dr. MOHAMED ESAM ELDIN ELGEDAWY ٣.
(٣٠)	١. ٢. ٣.
(٧٤)	
(١٢)	Patent

(٥٤)	**BALANCE CONVEYOR**
	Patent Period Started in ٢٧/٠٩/٢٠٠٣ and Ends in ٢٦/٠٩/٢٠٢٣

(٥٧) In continuous industries, variation of production rates is related to the flow raw materials that are handled by different material handling equipment. One of the most famous equipment used in handling is belt conveyor.

Balance conveyor has an advantage makes it better than others, where it can control rates of materials can be handled by it according to the required production rate.

The conveyor has a control unit connected to the prime mover and receives signals from a balance unit fixed under the carrier surface of the conveyor, this balance unit is weighing materials carried by the conveyor continuously during the handling process.

Hence, we can vary transfer velocity in order to satisfy the required production rates.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	٢٧/١٠/٢٠٠١ ١١٣٨/٢٠٠١ **January ٢٠٠٥** ٢٥/٠٦/٢٠٠٥ ٢٣٤١٣

(٥١)	**Int. Cl.^{٧} C١٢N ٩/٠٠**
(٧١)	١. **PROF. DR. HASSAN MAHMOUD YOUNIS (EGYPT)** ٢. ٣.
(٧٢	١. **PROF. DR. HASSAN MAHMOUD YOUNIS** ٢. ٣.
(٧٣)	١. ٢.
(٣٠)	١. ٢. ٣.
(٧٤)	
(١٢)	**Patent**

(٥٤)	**METHOD FOR DETERMINING COMPOUNDS THAT ACT AS SELECTIVE AND EFFICIENT INSECTICIDES**
	Patent Period Started in ٢٧/١٠/٢٠٠١ and Ends in ٢٦/١٠/٢٠٢١

(٥٧) The mitochndrial ATP synthase in insects has been recognized as a molecular selective traget for insecticidal action. The present method exploits this achievement as a way to search for selective insecticides . Yet, comparative studies with the enzyme from a mammalian sources (bovine or rat) will be taken as an approach to determine compounds that would act as selective and potent inhibitors of this enzyme activity in insects. These compounds promise to act as selective and efficient insecticides .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	١٢/٠٢/٢٠٠١ ٠١٢٢/٢٠٠١ **February ٢٠٠٥** ٢٦/٠٦/٢٠٠٥ ٢٣٤١٤

(٥١)	**Int. Cl.**[٧] **B٦٥D ٣٣/٠٢ , ٣٣/٠٦**
(٧١)	١. **EBRAHIM SIMHAEE (UNITED STATES OF AMERICA)** ٢. ٣.
(٧٢)	١. **EBRAHIM SIMHAEE** ٢. ٣.
(٧٣)	١. ٢.
(٣٠)	١. **(US) ٠٩/٥٠٤،٤٢٧ – ١٥/٢/٢٠٠٠ & ٠٩/٧٠٧،٧٥٨ – ٠٧/١١/٢٠٠٠** ٢. ٣.
(٧٤)	**ABU SETTA &Partners**
(١٢)	**Patent**

(٥٤)	**GUSSETED PLASTIC BAG**
	Patent Period Started in ١٢/٠٢/٢٠٠١ and Ends in ١١/٠٢/٢٠٢١

(٥٧) A plastic T- shirt bag comprises an extruded plastic tubular form having side gussets and a seal line at the bottom of the bag. The junctions of the inner folds of the gussets and the seal line are the weakest areas of the bottom of the bag . A reinforcements tape extends across both weakened areas and takes up the forces applied to them when the bag is loaded .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	١٥/٠١/٢٠٠٣ ٠٠٣٣/٢٠٠٣ **March ٢٠٠٥** ٢٨/٠٦/٢٠٠٥ ٢٣٤١٥

(٥١)	**Int. Cl.[٧] F٢٥J ١/٠٠**
(٧١)	١. **BP CORPORATION NORTH AMERICA INC (UNITED STATES OF AMERICA)** ٢. ٣.
(٧٢)	١. **ERNESTO F. CALDERONE** ٢. ٣.
(٧٣)	١. ٢.
(٣٠)	١. (US) ١٠/٠٥٠٩٢٢ – ١٨/٠١/٢٠٠٢ ٢. ٣.
(٧٤)	**HODA AHMED ABD EL HADY**
(١٢)	**Patent**

(٥٤)	**SELF REFRIGERATED LNC PROCESS**
	Patent Period Started in ١٥/٠١/٢٠٠٣ and Ends in ١٤/٠١/٢٠٢٣

(٥٧) The present invention is directed to a process for producing LNG by directing a feed stream comprising natural gas to a cooling stage that cools the feed stream in at least one cooling step producing a cooled feed stream , expands the cooled feed stream in at least one expansion step by reducing the pressure of the cooled feed stream producing a refrigerated vapor component and a liquid component , and separates at least a portion of the refrigerated vapor component from the liquid component wherein at least a portion of the cooling for the process is derived from at least a portion of the refrigerated vapor component ; and repeating steps through one or more times until at least substantial portion of the feed stream in the first cooling stage is processed into LNG wherein the feed stream in step comprises at least a portion of the liquid component produced from a previous cooling 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	(٢٢) (٢١) (٤٤) (٤٥) (١١)	٠٥/٠٨/٢٠٠٣ ٠٧٥٩/٢٠٠٣ March ٢٠٠٥ ٢٨/٠٦/٢٠٠٥ ٢٣٤١٦

(٥١)	**Int. Cl.^{٧} C١١D ١١/٠٠ , ٣/٥٠**
(٧١)	١. **THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** ٢. ٣.
(٧٢)	١. **FABRIZIO MELI** ٢. **RICARDO GARCIA DE ALBA** ٣. **JOSEMARIA VELAZQUEZ**
(٧٣)	١. ٢. ٣.
(٣٠)	١. **(EP) ٠٢٢٥٥٥٤٠/٣ – ٠٧/٠٨/٢٠٠٢** ٢. ٣.
(٧٤)	**HODA AHMED ABD EL HADY**
(١٢)	**Patent**

(٥٤)	**DETERGENT COMPOSITION**
	Patent Period Started in ٠٥/٠٨/٢٠٠٣ and Ends ٠٤/٠٨/٢٠٢٣

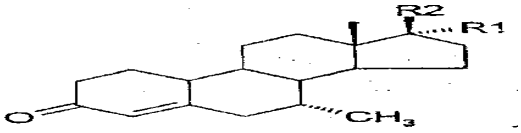
(٥٧) A laundry additive composition comprising one or more perfume components in slow release form and wherein the release kinetics are controlled so as to provide a fabric delivery index of least ٠,٣

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	١٩/٠١/٢٠٠٣ ٠٠٥١/٢٠٠٣ **March ٢٠٠٥** ٢٨/٠٦/٢٠٠٥ ٢٣٤١٧

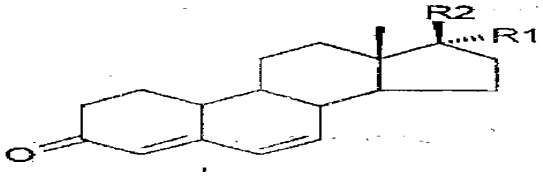
(٥١)	**Int. Cl.^{٧} C٠٧J ٥١/٠٠ , ١/٠٠ , ٥/٠٠**
(٧١)	١. **AKZO NOBEL NV (NETHERLANDS)** ٢. ٣.
(٧٢)	١. **J. STOELWINDER** ٢. **M. OSTENDORF** ٣. **VAN P.A.M BUGGENUM**
(٧٣)	١. ٢.
(٣٠)	١. **(EP) ٠٢٠٧٥٢٣٠،٩ – ٢١/٠١/٢٠٠٢** ٢. ٣.
(٧٤)	**HODA AHMED ABD EL HADY**
(١٢)	**Patent**

(٥٤)	**PROCESS FOR THE PREPARATION OF ٧α METHYLSTEROIDS**
	Patent Period Started in ١٩/٠١/٢٠٠٣ and Ends in ١٨/٠١/٢٠٢٣

(٥٧) The invention relates to a process for the preparation of ٧α – methyl hydroxy steroids of the formula ١



Wherein R١ is hydrogen , methyl or C ≡ CH;
R٢ is ($CH_٢$)$_n$ OH, wherein is ٠, ١ or ٢ ;
By a copper mediated ١،٦ – conjugate addition of a Grignard reagent $CH_٣$ MgX,X being a halogen, to the ٤،٦ – unsaturated ٣- ketosteroid of formula II,



Wherein R١ and R٢ are as previously defined ,
Comprising protecting the hydroxy group of the steroid of formula II with a trialkylsilyl group, followed by treating the hydroxy protected steroid with the grignard reagent.
The process of the invention is useful for the production of pharmacologically interesting steroids .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(٢٢) (٢١) (٤٤) (٤٥) (١١)	١٤/١٠/٢٠٠٢ ١١٢٠/٢٠٠٢ March ٢٠٠٥ ٢٨/٠٦/٢٠٠٥ ٢٣٤١٨

(٥١)	Int. Cl.[٧] G١١B ٩/٠٠, ٧/٠٠	
(٧١)	١. KONINKLIJKE PHILIPS ELECTRONICS NV (NETHERLANDS) ٢. SONY CORPORATION (JAPAN) ٣.	
(٧٣)	١. CORNELIS M. SCHEP ٢. AALBERT STEK ٣. SHINICHIRO IIMURA ٤. KOEN VANHOOF	٥. CONSTANT P. BAGGEN ٦. TAMOSTSU YAMAGAMI ٧. SHOEI KOBAYASHI ٨. NOBUYOSHI KOBAYASHI
(٧٣)	١. ٢.	
(٣٠)	١. ٢. ٣.	(EP) ٠١٢٠٣٨٧٦/٦ – ١٥/١٠/٢٠٠١
(٧٤)	HODA AHMED ABD EL HADY	
(١٢)	Patent	

(٥٤) RECORD CARRIER AND APPARATUS FOR SCANNING THE RECORD CARRIER

Patent Period Started in ١٤/١٠/٢٠٠٢ and Ends in ١٣/١٠/٢٠٢٢

(٥٧) A record carrier is described that has a servo track indicating an information track intended for recording information blocks. The servo track has a periodic variation of a physical parameter at a predetermined frequency and modulated parts for encoding position information at regular intervals . The modulated parts for encoding position information at regular intervals . The modulated parts start with a bit sync element and are of a data type having a word sync element . The bit sync element , word sync element and the data bit element being modulated according to a same predetermined type of modulation of the periodic variation . The distances between all elements constituting the modulated parts are unique . Further a device for reading and / or writing the record carrier is described

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

PATENT'S ABSTRACTS

Egyptian Patent Office

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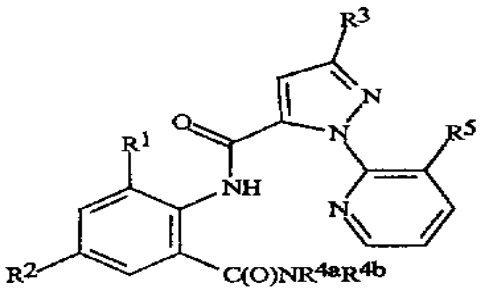
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 10/08/2002** **(21) 0893/2002** **(44) March 2005** **(45) 04/07/2005** **(11) 23419**

(51)	**Int. Cl.[7] A01N 43/56 & C07D 401/04, 413/14 & C07C 229/56**
(71)	**1. E.I. DU PONT DE NEMOURS AND COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. GEORGE P. LAHM** **2. TOM P. SELBY** **3. THOMAS M. STEVENSON**
(73)	**1.** **2.**
(30)	**1. (US) 60/ 311919– 13/08/2001 & 60/ 324128 – 21/09/2001 & 60/ 369661– 02/04/2002** **2.** **3.**
(74)	**HODA ANIS SERAG EL DIN**
(12)	**Patent**

(54) ARTHROPODICIDAL ANTHRANILAMIDES

Patent Period Started in 10/08/2002 and Ends in 09/08/2022

This invention provides compounds of formula 1, their N-oxides and agriculturally suitable salts



1

Wherein
R^1, R^2, R^3, R^{4a}, R^{4b} and R^5 are as defined in the disclosure.
Also disclosed are methods for controlling invertebrate pests comprising contacting the invertebrate pests or their environment with a biologically effective amount of a compound of Formula 1 or a composition comprising a compound of Formula 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)**	**06/07/2003**
		(21)	**0639/2003**
		(44)	**March 2005**
		(45)	**04/07/2005**
		(11)	**23420**

(51)	**Int. Cl.**[7] **C07C 51/265, 63/14, 63/26, 63/24**	
(71)	**1. E.I. DU PONT DE NEMOURS AND COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. WILLIAM B. THOMAS** **2. KEITH WHISTON** **3. EDUARDO C. GARCIA-VERDUGO**	**4· PAUL A. HAMLEY** **5· MARTYN POLIAKOFF** **6·**
(73)	**1.** **2.**	
(30)	**1. (US) 60/394626 – 09/07/2002** **2.** **3.**	
(74)	**HODA ANIS SERAG EL DIN**	
(12)	**Patent**	

(54) PROCESS FOR PRODUCING AROMATIC CARBOXYLIC ACIDS

Patent Period Started in 06/07/2003 and Ends in 05/07/2023

(57) A process for the simultaneous or sequential production in the same reaction zone of two or more dicarboxylic acids selected from orthophthalic end, isophthalic acid and terephthalic acid comprising contacting simultaneously or sequentially in the presence of a catalyst, one or more precursors of each of at least two dicarboxylic acids selected from orthophthalic acid, terephthalic acid and isophthalic acid with an oxidant, such contact being effected with said precursors and the oxidant in an aqueous solvent comprising water under supercritical conditions or near supercritical conditions close to the supercritical point is disclosed. In preferred embodiments, the process is for the simultaneous or sequential production in the same reaction zone of orthophthalic acid, terephthalic acid and isopthalic acid.

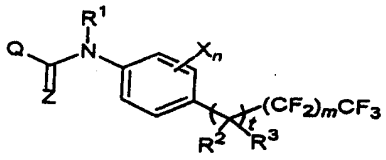
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 29/10/2002** **(21) 1186/2002** **(44) January 2005** **(45) 05/07/2005** **(11) 23421**

(51)	**Int. Cl.[7] A01N 43/10,43/36,43/40,43/54, 43/56,43/78,43/80 & C07D 207/456,213/81,231/14,239/28**	
(71)	**1. NIHON NOHYAKU CO. LTD (JAPAN)** **2.** **3.**	
(72)	**1. TAKASHI FURUYA** **2. MINORU YAMAGUCHI** **3. MASANORITOHNISHI** **4· AKIRA SEO**	**5· MASAYUKI MORIMOTO** **6· TSUYOSHI TAKEMOTO** **7· SHINSUKE FUJIOKA**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)	**MOHAMED MOHAMED BAKIR**	
(12)	**Patent**	

(54) SUBSTITUTED ANILIDE DERIVATIVE, INTERMEDIATE THEREOF AGRICULTURAL AND HORTICULTURAL CHEMICAL

Patent Period Started in 29/10/2002 and Ends in 28/10/2022

(57) The present invention relates to a substituted anilide derivative represented by general formula (1):



(I)

(wherein R^1 is a hydrogen atom, a (C_1-C_6) alkyl group, a halo (C_1-C_6) alkyl group or the like, R^2 is a hydrogen atom, a halogen atom or a halo (C_1- C_6) alkyl group; R^2 is a hydrogen atom, a halogen atom, a (C_1-C_6) – alkyl group or the like; t is o or 1, m is an integer of o to 6, each of Xs is a (C_2- C_6)alkyl group, a (C_1- C_6) alkoxy group or the like in the case of t being o, and is a halogen atom, a cyano group or the like in the case of t being 1, n is an integer of 1 to 4, z is o or s, and Q is any of Q1 to Q25, an intermediate thereof, an agricultural and horticultural chemical, and a usage of the same.

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)**	**24/11/2002** **1268/2002** **April 2005** **10/07/2005** **23422**

(51)	**Int. Cl.[7] G06D 1/10**
(71)	**1. Eng. ASHRAF KAMAL SALEM MASHHOUR (EGYPT)** **2.** **3.**
(72)	**1. Eng. ASHRAF KAMAL SALEM MASHHOUR** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**A SCHEME FOR SPREADING AND EASY USE OF ELECTRONIC SERVICES AND REMOTE PAYMENTS**
	Patent Period Started in 24/11/2002 and Ends in 23/11/2022

(57)

1- Access electronic Services via IVR, Internet of WAP applications, hosted by central systems / applications of mobile operator that are based on SIM technology, after performing needed developments and re-engineering.

2- Secure and authenticate remote electronic transactions via SIM and PIN Code techniques, by using invented SIM slide reader integrated with fixed line telephones, or using mobile phones with SIM slide inserted instead of cellular line SIM.

3- Simplify remote electronic payments via opening central accounts for subscribers that are associated with their data registered on SIM slides. Deposit monetary amounts into accounts using SIM and Prepaid Cards mechanics, process remote payments as deductions from these accounts.

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)**	**25/07/2001**
		(21)	**0810/2001**
		(44)	**April 2005**
		(45)	**11/07/2005**
		(11)	**23423**

(51)	**Int. Cl.[7] A21C 5/00**
(71)	**1. Dr. ABDEL LATIF MOHAMED TAHA ABO HEGAZI (EGYPT)** **2.** **3.**
(72)	**1. Dr. ABDEL LATIF MOHAMED TAHA ABO HEGAZI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**TRANSFORMATION OF RICE STRAW AS WELL AS OTHER PLANT WAISTS (WHEAT BARLEY-COTTON-FABA BEAN- MAIZE-CARTHAMUS)BAGASSE AND FRONDS OF PALM TREES TO WOOD PULP(CELLULOSE)THE START OR BASIC RAW MATERIAL IN MANUFACTURING VARIOUS ITEMS SUCH AS VISCOSE NITRO-CELLULOSE (GUN-COTTON)CELLUIOSE ACCTATE (PAINTS). COLLODION AND OTHER DEREVATIVES OF CELLULOSE AS WELL AS KINDS OF PAPER-COTTON AND AS AN ABSORBUILT OF WATER AND LIQUIDS OR AS A FILLER AND AS PROTECTOR THROUGH CHEMICALS LOCAL & CHEAP**
	Patent Period Started in 25/07/2001 and Ends in 24/07/2021
(57)	Transformation of straws of rice wheat, barley, fababean, corn carthamus,cotton,bagasse and fronds of palm trees to wood-pulp (cellulose)by chemical treatments with different concentrations of HaOH, nitric acid, calcium – magnesium bisulphite or calsium hydroxide alone or mixed with sulpher or specific mixtures of NaOH, sodium sulphide, sodium carbonate and sodium sulphate in different ratios in innert pans. The resulted cellulose could be utilised in paper, cartoon, as an absorbant or as cellulose boards, sheets and blocks; It could also be bleached by any of 4 chemicals including Clorax. Pure grades of cellulose of bleached one was also obtained (97 or more of alfa cellulose & very small amounts of legnins and pentosan. This high grade cellulose was utilised in manufacturing of viscose, nitro & acetate of cellulose or even as sheets, pillet and blocks of high grade cellulose.

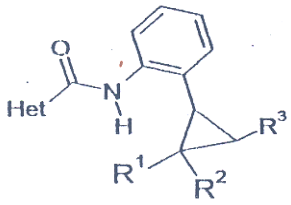
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)**	**01/03/2003**
		(21)	**0204/2003**
		(44)	**April 2005**
		(45)	**12/07/2005**
		(11)	**23424**

(51)	**Int. Cl.[7] C07D 231/14**
(71)	**1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND)** **2.** **3.**
(72)	**1. JOSEF EHRENFREUND** **2. HANS TOBLER** **3. HARALD WALTER**
(73)	**1.** **2.**
(30)	**1. (GB) 0300705.1– 13/01/2003 & 0205127.4 – 05/03/2002** **2.** **3.**
(74)	**SOHEIR MIKHAIL RIZK & SALWA MIKHAIL RIZK & SAMIA MIKHAIL RIZK**
(12)	**Patent**

(54) " FUNGICIDAL AZO-CARBOXAMIDE"

Patent Period Started in 01/03/2003 and Ends in 28/02/2023

(57) A fungicidal compound of formula (1)



Het is a 5-or 6-membered heterocyclic ring containing one to three heteroatoms, each independently selected from oxygen, nitrogen and sulphur, the the ring being substituted by grops R^4, R^5 and R^6, R^1 is hydrogen or halo; R^2 is hydrogen or halo; R^3 is optionally substituted C_{2-12} alkyl, optionally substituted C_{2-12} alkenyl, optionally substituted C_{2-12} alkynyl, optionally substituted C_{3-12} cycloalkyl, optionally substituted phenyl or optionally substituted heterocyclyl; and R^4, R^5 and R^6 are, independently, selected from hydrogen, halo, cyano, nitro, c_{1-4} alkyl, C_{1-4} haloalkyl, C_{1-4} alkoxy (C_{1-4}) alkyl and C_{1-4} haloalkoxy (C_{1-4}) alkyl, provided that at least one of R^4, R^5 and R^6 is not hydrogen. The compounds of formula (1) 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) 20/06/2001** **(21) 0672/2001** **(44) March 2005** **(45) 12/07/2005** **(11) 23425**

(51)	**Int. Cl.[7] H04M 1/14**
(71)	**1. Eng. AHMED ALLAH MOHAMED ABDEL ZAHER (EGYPT)** **2.** **3.**
(72)	**1. Eng. AHMED ALLAH MOHAMED ABDEL ZAHER** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) CLASSIFY & CORRECT ANALOG TO DIGITAL CONVERSION METHOD

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

(57) Classify a correct method algerithm

1- Starting conversion and zeroing A-register and T-register.
2- DAC converts A-register output to analog.
3- Analog summer subtract input analog current from output of DAC(DAC output is – ve).
4- If analog summer output negative then invert it by analog inverter.
5- If output is less than LSB reference voltage of classifier then go to 10.
6- Classify output by classifier.
7- Add/sub(depend on sign detector output) classifier output with A-register, store result in T-register to A register.
8- Transfer content of T-register
9- Go to 2
10- end.

Inventions include classifier, speed optimizer, stabilizer and pre-loader.

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)**	**18/03/2003** **0264/2003** **April2004** **13/07/2005** **23426**

(51)	**Int. Cl.[7] C08G 63/183**
(71)	**1. ZIMMER AG (GERMANY)** **2.** **3.**
(72)	**1. ECKHARD SEIDEL** **2. BERND GEMMEL** **3. KARL- HEINZ HELDMANN**
(73)	**1.** **2.**
(30)	**1. (EPO) 02006746.8 – 23/3/2002** **2.** **3.**
(74)	**Magda Shehata Haron – Nadia Shehata Haron**
(12)	**Patent**

(54) POLYTRIMETHYLENE TEREPHTALATE RESINS WITH IMPROVED PROPERTIES

Patent Period Started in 18/03/2003 and Ends in 17/03/2023

(57) A composition comprising Polytrimethylene terephatate (PTT) with a reduced emission of acrolein is obtained by contacting Polytrimethylene terephatalate (PTT) resin with an effective amount of melt stable, organic stabilizing compound. Such PTT resin has an acrolein formation rate at 280 C off less then 15 ppm/ minute.Preferably the residual content of the PTT resin is less then 10 ppm . The additive organic stabilizing compounds are free from nitrogen atoms. Preferred additive compound include polyfunctional alcohols, alcoholates, aromatic carboxylic acid anhydrides, carboxylic acids and salts of carboxylic acids. The additive compounds are added to the polymer in molte state an/or to the resin, which is then processed to fibers, filaments, on- wovens, films and/or mouldings.

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)**	**22/05/2002** **0545/2002** **March2005** **13/07/2005** **23427**

(51)	**Int. Cl.[7] A01H 3/00**
(71)	**1. REGENTS OF THE UNIVERSITY OF MINNESOTA (UNITED STATES OF** **2. AMERICA)** **3.**
(72)	**1. HENRY H. VAN BEEK** **2. ROBERT A. BLANCHETTE** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 09/863.381 – 24/05/2001** **2.** **3.**
(74)	**YASSER FAROUK MOBARAK**
(12)	**Patent**

(54) CULTIVATED AGARWOOD

Patent Period Started in 22/05/2002 and Ends in 21/05/2022

(57) The preset invention provides agarwood and/or agarwood resin from cultivated trees, and methods of generating agarwood and/or agarwood resin in cultivated trees.

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)**	**29/03/2003** **0408/2003** **March2005** **24/07/2005** **23428**

(51)	**Int. Cl.[7] B63C 9/08, 9/20**
(71)	**1. MOHAMED SAHL AHMED MOSTAFA (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED SAHL AHMED MOSTAFA** **2.** **3.**
(73)	**1.** **2.** **3.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) MARINE AUTO-CONTROL SELF IGNITING LIGHT FOR LIFEJACKET AND MARINE RING BUOY

Patent Period Started in 29/04/2003 and Ends in 28/04/2023

(57) Marine Lifejacket auto-control self igniting guiding light system that only ignites at night and bad visibility once the person or the ring buoy gets into the water in a marine accident. It works automatically without chemical reaction between the sea water and the battery contents or by manual button as currently is the case with other light systems.

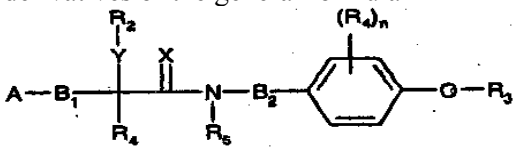
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/11/2002** **1244/2002** **April2005** **24/07/2005** **23429**

(51)	**Int. Cl.[7] C07C 323/22 , 327/44 , 235/34 & A01N 37/18**
(71)	**1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND)** **2.** **3.**
(72)	**1. MARTIN ZELLER** **2. LAMBERTH CLEMENS** **3. MIROSLAV KRIZ**
(73)	**1.** **2.** **3.**
(30)	**1. (GB) 0127556,9 – 16/11/2001** **2.** **3.**
(74)	**HODA AHMEID ABDEL HADY**
(12)	**Patent**

(54) NOVEL A-OXYGENATED A- THIOLATED CARBOXYLIC ACID PHENETHYLAMIDE DERIVATIVES

Patent Period Started in 13/11/2002 and Ends in 12/11/2002

(57) The invention related to a- oxygenated or a- thlolated carboxylic acid phenethylamide derivatives of the general formula 1



(1)

Including the optical isomers thereof and mixtures of such isomers, wherein A stands for optionally substituted aryl or optionally substituted heteroaryl; X is oxygen or sulfur; Y is oxygen or sulfur; R_1 is hydrogen, alkyl, alkenyl,alkenyl, haloalkyl, haloalkenyl, haloalkynyl or alocycloalkyl; R_2 is hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl , cycloalkyl- alkyl, alkoxy, alkyl, alkenyl, alkoxy-alkynyl, whereof all alkyl- alkenyl-,alkynyl-, or cycloalkyl-groups me be optionally substituted by halogen; or optionally substituted aryl-alkyl, optionalyy substituted aryl-alkenyl, optionally substituted aryl-alkynyl or optionally substituted aryloxy-alkyl; R_3 is hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkyl-alkyl, alkoxy-alkyl, alkoxy-alkenyl,alkoxy- whereof all alkyl-alkenyl-,alknyl-or ycloalkyl-groups me be optionally substituted by halogen; or is optionally substituted aryl-alkyl, optionally substituted aryl-alkenyl, optionally substituted aryl-alkynyl, optionally substituted aryloxy-alkyl, optionally substituted heteroaryl-alkyl, optionally substituted heteroaryl-alkenyl or optioally substituted heteroaryl-alkynyl; R_4 is alkyl,alkenyl, alkynyl, alkoxy-alkyl, alkoxy, alkenyloxy, alkynyloxy, alkylthio, alkanoyl, alkylamino, dialkylamio, alkoxycarbonyl.

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)**	**28/10/2003** **1006/2003** **April2005** **24/07/2005** **23430**

(51)	**Int. Cl.[7] C01B 21/48 & C01F 11/44 & C05C 5/04, 5/00 , 1/00**
(71)	**1. NORSK HYDRO ASA (NORWAY)** **2.** **3.**
(72)	**1. JAN B. ISAKSEN** **2. LARS MOLAND** **3. TORSTEIN OBRESTAD**
(73)	**1. YARA INTERNATIONAL ASA (NORWAY)** **2.** **3.**
(30)	**1. (PCT/NO 02/00400) – 01/11/2002** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54)	**METHOD FOR PRODUCTION OF NITRATE-CONTAINING PRODUCTS FROM UNDERCOOLING MELTS**
	Patent Period Started in 28/10/2003 and Ends in 27/10/2023

(57) The invention concerns a method for the production of nitrate containing products (fertilizers, technical products) from undercooling melts, wherein a XN-water solution is evaporated up to a content of 50-99.8 weight% XN , where X is one or more selected from Ca,Mg,NH_4 Na and K, ad N means nitrate. The preferred range of XN is 70-99.5 weight%. The melts is cooled down to and kept at a temperature at or below the crystallisation point and finely divided solid XN powder consisting of the equilibrium phases is added to the melt. Melt drops are then formed and allowed to cool and solidify during up to 70 seconds. It is preferred to use a cooling belt for solidification of the particles. The belt is cooled by air, water, oil or another 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)**	**14/07/2003** **0681/2003** **April2005** **24/07/2005** **23431**

(51)	**Int. Cl.[7] A61F 13/15**	
(71)	**1. THE PROCTER & GAMBLE COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. TSUNETOSHI MIURA** **2. KENSUKE ITO** **3. AKIKO SASAKI**	**4. YOSHIKO NAKAO** **5. SHURI KONDO** **6. KOICHI TOMI**
(73)	**1.** **2.** **3.**	
(30)	**1. (US) 06/396.115 – 16/07/2002** **2.** **3.**	
(74)	**HODA AHMEID ABDEL HADY**	
(12)	**Patent**	

(54) ABSORBENT ARTICLE HAVING A GRAPHIC VISIBLE THROUGH BODY CONTACTING SURFACE

Patent Period Started in 14/07/2003 and Ends in 13/07/2023

(57) The invention is directed to an absorbent article, which is preferably a sanitary napkin or a pantiliner, comprising: a body contacting layer; a garment contacting layer; and an absorbent core disposed between the body contacting layer and the garment contacting layer. The absorbent core has a core edge. The core edge defins a core region within the core edge and an outer region outside the core region. The body contacting layer and the garment contacting layer extend outward into the outer region and joined together in the outer region. In one aspect of the invention, the garment contacting layer has a graphic printed on the body facing surface at least in a portion of the outer region . In another aspect of the invention, the body contacting layer has a graphic printed on the garment facing surface at least in a portion of the outer region. The body contacting layer has a first light transmittance so that the graphic can be seen through the body contacting layer in the outer region . Since users (or women) can see the graphic through the body contacting layer, the absorbent article can provide an emotional benefit to women before uses, and thus decrease women's melancholic mood.

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)**	**16/12/2002** **1349/2002** **April2005** **25/07/2005** **23432**

(51)	**Int. Cl.[7] A23C 19/045 , 19/28 , 20/00 & A23J 3/08**	
(71)	**1. NEW ZEALAND DAIRY BOARD (NEW ZALAND)** **2.** **3.**	
(72)	**1. WARREN FITZSIMONS** **2. SHEELAGH HEWITT** **3. STEPHEN GREGORY**	**4. ALISTAIR CARR** **5. OWEN MILIS** **6.**
(73)	**1. FONT ERRA IP LIMITED (NEW ZEALAND)** **2.** **3.**	
(30)	**1. (NZ) 516210 – 17/12/2001** **2.** **3.**	
(74)	**HODA ANIS SERAG ELDINE**	
(12)	**Patent**	

(54) DAIRY PRODUCT AND PROCESS

Patent Period Started in 16/12/2002 and Ends in 15/12/2022

(57) The present invention provides a process for producing a high-solids/high-protein dairy product wherein an MPC is first mixed with molten fat to produce a mixture of protein particles coated in fat and the mixture hydrated, acidified and treated under low shear to produce a dairy product preferably a cheese or cheese – like product having a protein to water ratio of between 0.6 and 3.0

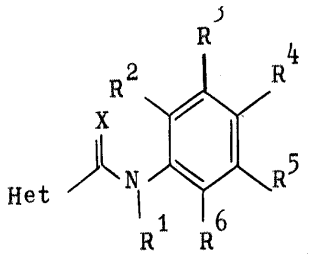
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22) 26/03/2003** **(21) 0286/2003** **(44) May 2005** **(45) 03/09/2005** **(11) 23440**

(51)	**Int. Cl [7] C07F 7/08 & A01N 55/00, 55/10**	
(71)	**1. SYNGENTA PARTICIPATIONS AG (SWITERLAND)** **2.** **3.**	
(72)	**1. JOSEF EHRENFREUND** **2. PIERRE J. JUNG** **3. HANS TOBLER**	**4· HARALD WALTER**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)	**SOHIR MIKHAIEL RIZK & SALWA MIKHAIEL RIZK & SAMIA MIKHAIEL RIZK**	
(12)	**Patent**	

(54) FUNGICIDAL PHENYL AMIDES DERIVATIVES

Patent Period Started in 26/03/2003 and Ends in 25/03/2023

(57) A fungicidal compound of formula (I) :



(I)

Where Het is a 5-or 6-membered heterocyclic ring containing one to three heteroatoms, each independently selected from oxygen, nitrogen and sulphur, the ring being substituted by groups R7 , R8 and R9 ; X is O or S; R1 , R2, R3, R4, R5, R7, R8 and R9 are each independently selected from a range of organic moieties; and R6 is an organic group containing three to thirteen carbon atoms and at least one silicon atom and, optionally, one to three heteroatoms, each independently selected from oxygen, nitrogen and sulphur, and is optionally substituted by one to four independently selected halogen atoms; or an N- oxide 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) 18/06/2003** **(21) 0578/2003** **(44) May 2005** **(45) 03/09/2005** **(11) 23441**

(51)	**Int. Cl [7] B65D 5/74**
(71)	**1. SIG TECHNOLOGY LTD (SWITZERLAND)** **2.** **3.**
(72)	**1. MARIO WEIST** **2. HANSJORG HUBER** **3. FRITEZ SEELHOFER**
(73)	**1.** **2.**
(30)	**1. CH 02/1051 – 20/06/2002 & 02/1436 – 21/08/2002 & 03/0497 –24/03/2003** **2.** **3.**
(74)	**MAGDA SHEHATA HARON & NADIA SHEHATA HARON**
(12)	**Patent**

(54)	**"A SELF-OPENER CLOSURE FOR COMPOSITE PACKAGINGS OR FOR CONTAINER SPOUTS OR BOTTLE SPOUTS TO BE CLOSED WITH FILM MATERIAL"**
	Patent Period Started in 18/06/2003 and Ends in 17/06/2023

(57) The self-opener closure consists of a pour-out spout which may be sealingly assembled onto a composite packaging or onto a container spout or bottle spout to be closed with film material, of an associated rotary cap as well as a self- opener sleeve arranged within the pour-out spout which may be set into rotation by the rotary cap. Force transmission means are formed on these three elements. These cooperate with one another such that on rotating the rotary cap in the opening direction for the first time the self-opener sleeve firstly in the pour-out spout may be pushed vertically downwards and subsequently may be rotated by approximately 360^{o} in the horizontal. Because the self-opener sleeve at its lower edge and projecting from this comprises a single, combined piercing and cutting member the film or the composite packaging is first reliably pierced and afterwards a disk is cut cleanly out of it and pivoted downwards.

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)**	**30/08/2003** **0850/2003** **May 2005** **07/09/2005** **23442**

(51)	**Int. Cl [7] B41J 2/00**
(71)	**1. Prof. Dr. MAHMOUD GHARIB DESOKY EL CHERBINY (EGYPT)** **2. Dr. MOHAMED HASAN YOUSEF EL SHAZLY (EGYPT)** **3. Dr. MOHAMED ESAM EL DIN EL GEDAWY (EGYPT)**
(72)	**1. Prof. Dr. MAHMOUD GHARIB DESOKY EL CHERBINY** **2. Dr. MOHAMED HASAN YOUSEF EL SHAZLY** **3. Dr. MOHAMED ESAM EL DIN EL GEDAWY**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) SUCTION AND COMPACTION OF PRINTING SCRAP

Patent Period Started in 30/08/2003 and Ends in 29/08/2023

(57) Packaging and Printing Processes suffer from paper and plastic trash, This scrap increases by large production causing many troubles during production process and accumulation of this scrap is forbidden according to industrial safety regulations. On the other hand, the manual approach of scrap disposal consumes a lot of manpower and never been efficient. Hence, it requires an efficient system in order to eliminate this scrap. The designed system actually can do that. Where this scrap is automatically transmitted through a suction system to a hydraulic press that compacts scrap and outs bulk of paper which can be easily used in recycling industry.

Now, paper and plastic scrap doesn't only cause problems, but also becomes profitable.

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) 07/09/1999** **(21) 1122/1999** **(44) April 2005** **(45) 07/09/2005** **(11) 23443**

(51)	**Int. Cl [7] H02J 13/00**
(71)	**1. ENGINEERING OFFICE OF INTEGRATE AFFAIRS. HESHAM MOHAMED HUSEEN CO. (EGYPT)** **2.** **3.**
(72)	**1. Prof. Dr. MOHAMED MAHMOUD RIAD** **2.** **3.**
(73)	**1. ENGINEERING OFFICE OF INTEGRATE AFFAIRS. LAILA ABD EL AZZIZ MABROK CO.** **2.**
(30)	**1.** **2.** **3.**
(74)	**TAREK AHMED MOHAMED NASR**
(12)	**Patent**

(54)	**AUTOMATIC READING SYSTEM FOR ELECTRIC CONSUMPTION AND LOSSES (ARSEL)**
	Patent Period Started in 07/09/1999 and Ends in 06/09/2019

(57) "Remote reading system of KWH meters gets the customers readings on as periodical-bases from the distribution transformer providing power to the customers. It does not require the presence of customers. The system consists of transmitter units installed inside the meters themselves at the customers premises and a receiver located at the distribution transformer cabinet. Thousands of transmitters can be connected to the same receiver unit. The communications between the transmitters and receiver use the power mains lines and they are based on the DSSS technique.

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) 10/09/2003** **(21) 0891/2003** **(44) May 2005** **(45) 12/09/2005** **(11) 23444**

(51)	**Int. Cl [7]** **H04B 1/02 & H03C 7/02**
(71)	**1. LG ELECTRONICS INC (REPUBLIC OF KOREA)** **2.** **3.**
(72)	**1. TAE-KYU CHOI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. KR 10/2002/0055338 – 12/09/2002** **2.** **3.**
(74)	**MOHAMED MOHAMED BAKIR**
(12)	**Patent**

(54) ACTIVE ANTENNA SYSTEM OF A RADIO COMMUNICATION TERMINAL

Patent Period Started in 10/09/2003 and Ends in 09/09/2023

(57) An active antenna system of a radio communication terminal includes: a directional antenna for transmitting and receiving an R1: signal to and from a base station through a radio link; and an amplifying unit integrated on one board together with the directional antenna and amplifying and filtering the RF signal. A transmistering the R.F signal. A transmistivity of a radio communication terminal is improved, a loss according to a transmission path between an active antenna and the radio communication terminal can be compensated, and a speech quality can be maintained by above a certain level even in an area remote from a base station.

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) 18/10/2003** **(21) PCT/NA 2003/000001** **(44) April 2005** **(45) 13/09/2005** **(11) 23445**

(51)	**Int. Cl [7] F16L 19/06, 19/07, 19/065, 21/04, 47/04, 47/10, 47/12**
(71)	**1. PHILMAC PTY LTD (AUSTRALIA)** **2.** **3.**
(72)	**1. DAVID CHELCHOWSKI** **2. GEOFFREY B. PUCKETT** **3. LUKE RAYMOND**
(73)	**1.** **2.**
(30)	**1. AU PR4470 – 19/04/2001 PCT / AU02/00487 – 19/04/2002** **2.** **3.**
(74)	**ASHRAF IBRAHIM ABD EL NABI**
(12)	**Patent**

(54) PIPE COUPLING

Patent Period Started in 18/10/2003 and Ends in 17/10/2023

(57) A coupling assembly for pipes including a nut, a body, a grip-ring, and a seal. The nut can engage the body through appropriate threads and includes a hooked projection having a sloping surface adapted to abut against and provide a force on a corresponding surface of the grip ring within the body. A pipe is inserted through the nut, grip-ring, and seal into the body. Tightening of the nut causes its sloped surface to engage and the grip ring to be forced both radially and longitudinally. Radial compression results in the grip-ring engaging the pipe whilst longitudinal forcing causes it to be forced into the body simultaneously abutting against and compressing the seal whilst dragging the pipe further into the body.

The nut and the body may further have tapered surfaces that are brought together as the grip-ring is forced into the body. The physical connection between the body and the nut provides reinforcing for the nut, a feature especially useful when dealing with soft plastics. Further features include a lip on the grip-ring that provides an additional support for the grip-ring when compressed as well as an abutment shoulder on the nut preventing the grip-ring form being pulled out of the body.

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) 23/12/2003** **(21) PCT/NA 2003/000004** **(44) June 2005** **(45) 14/09/2005** **(11) 23446**

(51)	**Int. Cl [7] A23C 19/00**
(71)	**1. AFP ADVANCED FOOD PRODUCTS LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MICHAEL R. JACOBSON** **2. STEPHAN M. SCHSLOW** **3.**
(73)	**1.** **2.**
(30)	**1. US 02/20384 / PCT – 25/06/2002** **2. US 09/888720 – 25/06/2001 & 10/183859 – 25/06/2002** **3.**
(74)	**WAGDY NABIH AZIZ**
(12)	**Patent**

(54)	**"IMITATION CHEESE COMPOSITIONS FOR USE IN THE MANUFACTURE OF CHEESE LOAVES, SLICES, AND THE LIKE, AND METHOD OF PRODUCING SUCH COMPOSITIONS**
	Patent Period Started in 23/12/2003 and Ends in 22/12/2023

(57) An imitation cheese composition containing moisture, preferably in an amount that is at least 60% by weight, a hydrocolloid, a cheese-drived component in an amount less than about 15% by weight of the composition, cheese flavoring that is natural or artificial and an acidulents in an amount that causes a pH of the composition to be not greater than 4.6. The composition is sufficiently firm such that it can be at least one of sliced, cut, shredded or grated. Preferably, no more than 1% protein is present, and/or the acidulent is in a total titrateable amount of less than 1.5% by weight of the composition, resulting in an imitation cheese having a flavor, texture and consistency that was only previously attainable in a pasteurized process cheese product.

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)**	**29/01/2003**
		(21)	**0108/2003**
		(44)	**June 2005**
		(45)	**17/09/2005**
		(11)	**23447**

(51)	**Int. Cl [7] B60R 25/08**
(71)	**1. Eng. WAGDY ABD EL AZIZ MOHAMED MOHAMED MORSY (EGYPT)** **2.** **3.**
(72)	**1. Eng. WAGDY ABD EL AZIZ MOHAMED MOHAMED MORSY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**FIRE ALARM SYSTEM IN TRAIN CARRIAGE**
	Patent Period Started in 29/01/2003 and Ends in 28/01/2023

(57) Installation of Linear Heat Detection Cable with Negative Temperature Coefficient, which when heated a Control Panel will sense the resistance difference & resulting an audiable alarm or vision alarm. When the temperature continue to rise the control panel will activate a Solinoide Valve installed on the Air brake system of the train and the train stop.

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)**	**20/01/1996** **0052/1996** **June 2000** **23/10/2004** **23448**

(51)	**Int. Cl.[7]** **C04B 7/26**
(71)	**1. MOSTAFA MOHAMED ABOU ZEID (EGYPT)** **2.** **3.**
(72	**1. MOSTAFA MOHAMED ABOU ZEID** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**A NEW SCIENTIFIC AND ECONOMIC STYLE OF REUSING THE BYPASS DUST IN CEMENT INDUSTRY**
	Patent Period Started in 20/01/1996 and Ends in 19/01/2016

(57) A new sclentific and economic style through which it becomes possible to reuse the bypass dust that results from using the EGYPTIAN raw materials in cement production by the dry process . The increasing amounts of this dust have become a source for the economic and environmental problems in the cement plants that turned from the wet process to the dry process in cement industry .

This new style has been formed out through the long experience in cement industry and after all other alternatives had been proved to be highly costive and inadequate in solving the problem .

This new style is built on adding the bypass dust as it is and without any treatment in calculated percentages of the raw material meal charged in the wet process kiln . This addition must take place in the calcination zone of the kiln . Analyses and experiments to reuse the bypass dust have been made on laboratory , semi – industrial and industrial scales . Results have been recorded and analysed and through that it was found that this new style is the ideal solution of the problem of the bypass dust as it verifies the following :

- The ability of reusing all resulting quantities of bypass dust .
- Reduction in the cost and effort of dust disposal .
- Reduction in the environmental pollution potentials .
- Reduction in consumption rates of raw materials and their costs .
- Improvement of work conditions .
- Increase in production .
- Reduction in fuel consumption and 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)**	**28/11/1998** **1490/1998** **June 2005** **18/09/2005** **23449**

(51)	**Int. Cl.[7] A61K 35/56**
(71)	**1. EGYPTIAN ORGANIZATION FOR BIOLOGICAL PRODUCTS & VACCINES (EGYPT)** **2.** **3.**
(72	**1. PROF. DR. MOHAMED SALEM EL ABADY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**AMIRA TWFEK ABD EL AZIZ**
(12)	**Patent**

(54)	**METHOD OF PREPARATION OF ANTI TETANIC SERUM**
	Patent Period Started in 28/11/1998 and Ends in 27/11/2018

(57)
- Dilution of separated plasma by normal saline .
- Steps of different operations for adjustment , heat , PH , & chemical treatment .
- Feltration of mixture to obtain concentrated , pure & sterile serum .

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)**	**15/01/2002** **0046/2002** **June 2005** **18/09/2005** **23450**

(51)	**Int. Cl.[7] A61K 39/42 & C07K 16/00 & C12P 21/08**
(71)	**1. EGYPTIAN ORGANIZATION FOR BIOLOGICAL PRODUCTS AND VACCINS (EGYPT)** **2.** **3.**
(72	**1. DR. MOHAMED SALEM EL ABADY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**NESRIN CHEHATA KOTB**
(12)	**Patent**

(54)	**PRODUCTION OF GAMMA IMUNOGLOBULINE AS A TREATMENT TOOL AGAINST HEPATITIS (B) VIRUS .**
	Patent Period Started in 15/01/2002 and Ends in 14/01/2022

(57) Nowadays we can separate the Anti – hepatitis virus antibodies by cohn's method from venous plasma of 500 donors at liast , the plasma should be ergative for HCV , HBV , HIV and has an elevated titer of immunoglobulines against hepatitis " B "

Glycine was added to the preparation to increase the sability of gamma globulin , and thiomersal as preseuative .

Anti – hepatitis (B) antibodies is a preparation used as a safe tool in prophylaxis and treatment against hepatitis B virus specially when individuals exposed to contamination with reedles or blood , plasma and serum droplets of possibly infected material

This preparation used in treatment and prophyloxis of (adults and neonates)

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)**	**15/01/2002** **0045/1996** **June 2005** **18/09/2005** **23451**

(51)	**Int. Cl.[7]** **A61K 49/00 , 38/17**
(71)	**1. EGYPTIAN ORGANIZATION FOR BIOLOGICAL PRODUCTS AND VACCINS (EGYPT)** **2.** **3.**
(72	**1. PROF. DR. MOHAMED SALEM EL ABADY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**NESRIN CHEHATA KOTB**
(12)	**Patent**

(54)	**PRODUCTION OF BOINE ALBUMIN LOCALLY WHICH USED IN MANY DIAGNOSTIC LABS**
	Patent Period Started in 15/01/2002 and Ends in 14/01/2022

(57) Bovine albumin can be produced now cattles which used in many diagnostic medical laboratories by an easy , cheap fast and invented method , the final product was as efficient as the exported one , the method can be summarized as follows :-

1- Plasma was collected from slaughtering house followed by addition of 0.004 M sodium caprylate .
2- Adjustment the PH to reach 6.6 by 1 N . Hcl .
3- Elevate the temeprature gradually till 68^0C , then cool immediately to below 30^0C .
4- Centrifugation in a cold centrifuge at 4500 rmp for ½ h .
5- Filtration through 0.22 filter , then adjustment of its concentration to reach 22 % by using altrafiltration .
6- The final product was tested by blood bank of VACSERA and the result were satisfactory when compared to the exported product .

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)**	**12/10/2003** **0975/2003** **June 2005** **20/09/2005** **23452**

(51)	**Int. Cl.[7]** **H01B 11/22**
(71)	**1. LG CABLE LTD (REPUBLIC OF KOREA)** **2.** **3.**
(72	**1. TAE – GYOUNG KIM** **2. MIN SON** **3.**
(73)	**1.** **2.**
(30)	**1. (KR) 10/2003 0009521 - 14/02/2003** **2.** **3.**
(74)	**OSAMA MOHAMED MOHAMED ISMAEIL**
(12)	**Patent**

(54) LOOSE TUBE OPTICAL CABLE HAVING AN UNSTRANDED STRUCTURE

Patent Period Started in 12/10/2003 and Ends in 11/10/2023

(57) Disclosed is a loose tub optical cable having an unstranded structure , which includes a tensile strength member longitudinally elongated and having a central axis deviated from the center of the optical cable , a loose tub optical fiber unit longitudinally elongated without twist against the tensile strength member , and a cable coating for wrapping an aggregation in which the tensile strength member and the loose tube optical fiber unit are straightly aggregated . By suitably selecting geometric parameters of the tensile strength memberand the loose tube optical fiber unit , the center of mass of the aggregation is positioned within the tensile strength member and the maximum modulus of elongation of the optical fiber is restricted within a predetermined range in a predetermined bending radius .

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)**	**19/07/2003** **0696/2003** **June 2005** **21/09/2005** **23453**

(51)	**Int. Cl.[7]**	**C07C 2/06 , 2/25**
(71)	**1. CATALYTIC DISTILLATION TECHNOLOGIES (UNITED STATES OF AMERICA)** **2.** **3.**	
(72	**1. LAWRENCE A. SMITH** **2. JOHN R. ADAMS** **3. ABRAHAM P. GELBEIN**	**4· MITCHELL E. LOESCHER** **5·** **6·**
(73)	**1.** **2.**	
(30)	**1. (US) 10/219,877 – 15/08/2002** **2.** **3.**	
(74)	**NAZIH AKHNOKH SADEK ELIAS**	
(12)	**Patent**	

(54) PARAFFIN ALKYLATION

Patent Period Started in 19/07/2003 and Ends in 18/07/2023

(57) A process for the alkylation of alkane with olefin precursor such as an oligomer of tertiary olefin comprising contacting a liquid system comprising acid catalyst , isoparaffin and olefin in concurrent downflow into contact in a reaction zone with a disperser mesh under conditions of temperature and pressure to react said isoparaffin and said olefin to produce an alkylate product is disclosed . Preferably , the liquid system is maintained at about its boiling point in the reaction zone . Unexpectedly , the olefin oligomers have been found to function as olefin precursors and not as olefins in the reaction . Thus , for example , a cold acid alkylation using an oligomer of isobutene (Principally dimer and trimer) with isobutane produces isooctane with the isobutane reacting with the constituent isobutene units of the oligomers on a molar basis . The product isooctane is essentially the same as that produced in the conventional cold acid 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)**	**12/03/2003** **0256/2003** **June 2005** **26/09/2005** **23454**

(51)	**Int. Cl.[7]** **C12Q 1/04 & 1/68 , & C07H 21/00**
(71)	**1. MUBARAK CITY FOR SCIENTIFIC RESEARCH AND TECHNOLOGY APPLICATIONS (EGYPT)** **2.** **3.**
(72	**1. PROF. DR. ZEINAB MOHAMED KHERALLA** **2. DR. DESOUKY AHMED ABDEL HALEEM** **3. DR. ABIER AHMED ROSHDY** **4. DR. SAHAR ABD EL FATTAH ZAKI** **5. WALAA SALAH EL DIN MOHAMED**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MAHMOUD EL SAID ABD EL LATIF**
(12)	**Patent**

(54) MULTIPLEX – PER TO MONITOR WATER QUALITY BY DETECTION OF ECOLI , PSEUDOMONAS AEROGENOSA AND SALLMONELLAE

Patent Period Started in 12/03/2003 and Ends in 11/03/2023

(57) For the first time , this invintion was conducted to develop an one – step multiplex system for rapid , sensitive and specific detection for three different bacterial pathogens , Esherichia coli , pseudomonas aeruginosa and salmonilla , respectively direct in different water samples without perior isolation for any one of them . For this propose , a multiplex PCR (M – PCR) protocol was developed using primer paris speccific for E. coli , P. aeruginosa salmonilla . Optimization of the M- PCR assy was performed using bacterial strains and environmental isolates belonging to the examined three genuses as refrences . Twenty water samples collected from different Egyptian ecosystems were tested using the developed – M PCR protocol . The results indicated that this method has sgnificance impact in the ability to detect sesitively , rapidly and specifically the three examined pathogens directly in water within short time (~ 2 hours) , represents a considerable advancement over more time – consuming and less – sensitve methods for identification and characterization of these kind of bacteria . As well as a rapid and specific confirmation assy of the new isolates comparing to refrence strains from the three genuses based on RFLP analysis of their PCR amplified 16S Rdna WAS developed.

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)**	**30/07/2002** **0858/2002** **May 2005** **27/09/2005** **23455**

(51)	**Int. Cl.[7]** **H01T 23/00**
(71)	**1. SHARP KABUSHIKI KAISHA (JAPAN)** **2.** **3.**
(72	**1. YOSHINORI SEKOGUCHI** **2. MAMORU MORIKAWA** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 234073 – 01/08/2001 & 315084 – 12/10/2001** **2.** **3.**
(74)	**GEORGE AZIZ ABD EL MALEK**
(12)	**Patent**

(54) ION GENERATOR AND ELECTRIC APPARATUS AND AIR CONDITIONING APPARATUS INCORPORATING THE SAME

Patent Period Started in 30/07/2002 and Ends in 29/07/2022

(57) A booster coil is stored in a coil storing room provided in the bottom section of a common case having an opening on one side , and is insulation – molded with a filler . A circuit substrate is inserted into the common case and supported by a supporting edge which is provided circumferentially at the middle of an inner wall of the common case . An jon generating element is held on a lid plate for closing the opening of the common case and mounted on the outer surface of the common case together with this lid plate , and the space between mthe circuit plate and the jon generating element is insulation molded with a filler . An ion generator including the ion generating element and the booster coil and circuit substrate for generating a driving voltage is constructed in a compact size so as to enable the ion generator to be readily used in a wide range of applications .

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)**	**03/09/2003** **0867/2003** **June 2005** **27/09/2005** **23456**

(51)	**Int. Cl.[7]** **G07F 7/08**
(71)	**1. MAINLINE CORPORATE HOLDINGS (IRELAND)** **2.** **3.**
(72	**1. GERARD J. BARRY** **2.** **3.**
(73)	**1. EUROPEAN TAX FREE SHOPING LIMITED (IRELAND)** **2.**
(30)	**1. (IR) (S2002/0712) – 04/09/2002** **2.** **3.**
(74)	**GEORGE AZIZ ABD EL MALEK**
(12)	**Patent**

(54) A METHOD AND SYSTEM FOR TRANSFERRING FUNDS

Patent Period Started in 03/09/2003 and Ends in 02/09/2023

(57) This invention relates to the field of commerce and in particular to a method of transferring funds using a payment card . Existing funds transfer system suffer from a number of problems including for example lengthy delays associated with their delivery . High processing costs and high administrative costs . To alleviate these difficulties the present invention provides a method of transferring funds from a first payment cardholder to a second payment cardholder comprising the steps of , receiving an indication from the first cardholder that a transfer of funds is required to the second cardholder , generating a first payment card transaction between a first merchant and the first cardholder for a negative amount associated with the value of funds to be transferred , and generating a second payment card transaction between a second merchant and the second cardholder for a positive amount associated with the value of funds to be transferred . The advantage provided by this arrangement is that using existing payment card systems . transfers of funds can be effected efficiently between cardholders , without significant delay

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GRANTED PATENT'S ABSTRACTS

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GRANTED PATENT'S ABSTRACTS

Egyptian Patent Office

Issue No 113 October 2005

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) 21/07/2003** **(21) 0715/2003** **(44) June 2005** **(45) 02/10/2005** **(11) 23457**

(51)	**Int. Cl [7] A43B 7/08, 12/7, 8/17**
(71)	**1. SIPORT SPA (ITALY)** **2.** **3.**
(72)	**1. GABRIELE GRANDINI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**HODA ANIS SERAG EDDIN**
(12)	**Patent**

(54) AN IMPROVED VENTILATED ITEM OF FOOTWEAR

Patent Period Started in 21/07/2003 and Ends in 20/07/2023

(57) An item of footwear is described which compromises in all combination:-

- An outsole having in its forepart at least a vent opening which is made through the thickness of said outsole ,
- a granting – like element which is set into said vent opening and acts as a screen by separating and protecting the inside of the footwear from the ground which comes into contact with said outsole

a pliable sheet insert made from a breathable and water repellent material which is embedded into the outsole and is positioned inside the outsole so as to overlie said vent opening ,

an insole made a breathable and water repellent material, and

an upper made of a breathable and water repellent 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)**	**28/05/2003** **0499/2003** **June 2005** **02/10/2005** **23458**

(51)	**Int. Cl [7] A36H 33/04**
(71)	**1. PLAST WOOD SRL (ITALY)** **2.** **3.**
(72)	**1. EDOARDO P. TUSACCIU** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (IT) (RM 2002 U 000133) – 15/07/2002** **2.** **3.**
(74)	**HODA ANIS SERAG EDDIN.**
(12)	**Patent**

(54) SET OF ELEMENTS FOR ASSEMLYING STRUCTURES

Patent Period Started in 28/05/2003 and Ends in 27/05/2023

(57) The invention relates to a set of elements for assembling complex structures, the set comprising a plurality of first magnetic bar elements, having a first length a plurality of ferromagnetic elements, and a plurality of second magnetic bar elements, having a second length. Said two lengths and the dimension of said ferromagnetic elements are such to allow the assembling of complex structures, e.g. classic crystallographic structures.

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) 14/07/2003** **(21) 0677/2003** **(44) June 2005** **(45) 02/10/2005** **(11) 23459**

(51)	**Int. Cl [7] A23L 1/30**
(71)	**1. BARRY CALLEBAUD AG (SWITZERLAND)** **2.** **3.**
(72)	**1. PHILIPPE BERTRAND** **2. PHILIPPE MARAND** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 09155/02 – 18/07/2002** **2.** **3.**
(74)	**HODA ANIS SERAG EDDIN**
(12)	**Patent**

(54) GELATIN SUBSTITUTION PRODUCTS AND APPLICATIONS IN THE FIELD

Patent Period Started in 14/07/2003 and Ends in 13/07/2023

(57) The invention relates to a gelatin substitution product, characterized in that it contains essentially a vegetable fat, in particular in that it contains essentially cocoa butter.

Application to the production of culinary confectionery preparations.

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) 28/05/2003** **(21) 0506/2003** **(44) June 2005** **(45) 04/10/2005** **(11) 23460**

(51)	**Int. Cl [7] E21B 41/00, 43/25**
(71)	**1. SOFITECH NV (BELGIUM)** **2.** **3.**
(72)	**1. MOHAN PANGA** **2. VEMURI BALAKOTALAH** **3. MURTAZA ZIAUDDIN**
(73)	**1.** **2.**
(30)	**1. (US) 60/384957 – 31/05/2002** **2.** **3.**
(74)	**HODA AHMED ABD EL HADY**
(12)	**Patent**

(54)	**MODELING SIMULATION AND COMPARISON OF MODELS FOR WORMHOLE FORMATION DURING MATRIX STIMULATION OF CARBONATES.**
	Patent Period Started in 28/05/2003 and Ends in 27/05/2023

(57) A new averaged/continuum model is presented for simulation of wormhole formation during matrix stimulation of carbonates.

The averaged model presented here takes into account the pore level physics by coupling the local pore scale phenomena to the macroscopic variables (Darcy velocity, pressure and reactant cup-mixing concentration) through the structure-property relationships (permeability-porosity, average pore size-porosity and interfacial area – porosity) and the dependence of the fluid-solid mass transfer coefficient and fluid phase dispersion coefficient on the evolving pore scale variables (average pore size, local Reynolds and Schmidt numbers).

This model allows better predictions of the flow channeling so that the matrix treatment may be adjusted to promote wormhole formations.

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) 24/02/2003** **(21) 0185/2003** **(44) June 2005** **(45) 04/10/2005** **(11) 23461**

(51)	**Int. Cl [7] B65D 83/04**	
(71)	**1. ASTRAZENECA AB (SWEDEN)** **2.** **3.**	
(72)	**1. MARIA BENKTZON** **2. THOMAS NILSSON** **3. STEFAN STRANDBERG**	**4· MALIN OREBACK**
(73)	**1.** **2.**	
(30)	**1. (SE) 0200561/9 – 25/02/2002** **2.** **3.**	
(74)	**HODA AHMED ABD EL HADY**	
(12)	**Patent**	

(54) BLISTER PACK DEVICE

Patent Period Started in 24/02/2003 and Ends in 23/02/2023

(57) The present invention relates to a blister pack device for storing and dispensing a dosage unit, comprising a container having an opening for receiving a blister pack. The container is provided with a dispensing means for ejecting a dosage unit from a blister of the blister pack, the dispensing means comprises a lever arm pivotally mounted on the container and a cavity in the container for receiving an ejected dosage unit wherein the lever arm has a first open position allowing the blister pack to be positioned under the arm and a second lowered position for ejecting the dosage unit from the blister into the cavity.

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) 03/03/2003** **(21) 0216/2003** **(44) June 2005** **(45) 04/10/2005** **(11) 23462**

(51)	**Int. Cl [7] C07C 209/00, 235/66**
(71)	**1. NOVARTIS AG (SWITZERLAND)** **2.** **3.**
(72)	**1. MAHAVIR PRASHAD** **2. OLIVIER LOHSE** **3. BIN HU**
(73)	**1.** **2.**
(30)	**1. (US) 60/362735 – 08/03/2002** **2.** **3.**
(74)	**HODA AHMED ABD EL HADY**
(12)	**Patent**

(54) ORGANIC COMPOUNDS

Patent Period Started in 03/03/2003 and Ends in 02/03/2023

(57) A process for preparing 5,6-diethyl –2,3-dihydro- 1*H*-inden-2- amine and acid addition salts thereof from 2-aminoindane. The process does not use deleterious Grignard reagents or nitrites such as isoamyl nitrite, and provides high regioselectivity and high yield of 5,6- diethyl- 2,3- dihydro- 1 *H*-inden-2-amine. In addition, acetyl halide can be used as both a reactant and a solvent

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) 11/11/2001** **(21) 1195/2001** **(44) June 2005** **(45) 08/10/2005** **(11) 23463**

(51)	**Int. Cl [7] C09K 17/00**
(71)	**1. Prof. HUSSEIN KHALIL GHARIEB (EGYPT)** **2. Dr. FAWZI ALI AL-AMROUSI (EGYPT)** **3.**
(72)	**1. Prof. HUSSEIN KHALIL GHARIEB** **2. Dr. FAWZI ALI AL-AMROUSI** **3.**
(73)	**1. Prof. HUSSEIN KHALIL GHARIEB** **2. Dr. FAWZI ALI AL-AMROUSI**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**USING OF CHAR COAL OBTAINED FROM CARBONIZATION OF ORGANIC WASTES WITH BITUMEN AS SANDY AND CLAYEY SOIL CONDITIONERS**
	Patent Period Started in 11/11/2001 and Ends in 10/11/2021

(57) The present invention relates to a method for conditioning the sandy and clayey soils by using charcoal which produced via carbonization of agricultural solid wastes. This charcoal pulverized and mixed with petroleum bitumen which between 3 to 12% and the mixture added to the soil by a special method depend on the nature of the soil.

Using the process of adding charcoal and bitumen mixture to the soil the properties of the sandy soil have been improved. Its capable to keep its water and added fertilizers for a long time and the adhesion of its granules was increased.

Moreover the process of using the bitumenized charcoal as additive to clayey soil improves its characteristics. This fulfilled by increasing its porosity, ventilation, reducing its energy of cultivation and its volume 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) 28/08/2002** **(21) 0973/2002** **(44) June 2005** **(45) 12/10/2005** **(11) 23464**

(51)	**Int. Cl [7] G04G 15/00**
(71)	**1. MOHAMED ZINHOM MOHAMED ALI (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED ZINHOM MOHAMED ALI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) LIGHT SYSTEM TIMER OPERATE BY TOUCH SWITCH

Patent Period Started in 28/08/2002 and Ends in 27/08/2022

(57) In the device Im cant solve all problem in the last system (automatic light machen) this machene is consists of some problem for example:
The wries amounted pipes amounted and switches amounted in the new bulding that's cases the consumer is not applied this idea.
Im cant solve this problem in the new device by add touch switch circuit to illuminate all lampes in the system at the user is touch the switch door.
The new idea is protective by the light detection circuit tooperate this device in the dark only the desigen power of this device is 1200 (watt).

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)**	**18/03/2003** **0270/2003** **July2005** **26/10/2005** **23465**

(51)	**Int. Cl.[7] B67D 1/08**
(71)	**1. HEINEKEN TECHNICAL SERVICES BV (NETHERLANDS)** **2.** **3.**
(72)	**1. GUIDO P. VAN DER KLAUW** **2. BART J. BAX** **3.**
(73)	**1.** **2.**
(30)	**1. (NL) 1020202 – 19/03/2002** **2.** **3.**
(74)	**NAZEIH AKHNOUK SADEK ELIAS**
(12)	**Patent**

(54)	**ASSEMBLY OF A TAPPING KEG WITH A NECK AND A CONNECTING DEVICE AND PARTS THEREFOR**
	Patent Period Started in 18/03/2003 and Ends in 17/03/2023

(57) An assembly of a tapping keg with neck and a connecting device for placement on said neck , wherein in the neck at least one valve is provided and wherein the connecting device is provided with pressure means for pressing the at least one valve open, wherein the neck is provided with an outwardly reaching flange with a top surface and a bottom surface, wherein the bottom surface is inclined with respect to the top surface and has at least a substantially planar central part, wherein the connecting device has a substantially horse shoe- shaped connecting element, provided with a slot by way of which the connecting element is slidable over the flange , wherein the side of the slot facing the bottom surface during use comprises a surface which is inclined at an angle which is at least virtually equal to the angle of inclination of the bottom surface and, in coupled condition, abuts at least against the planar central part of the bottom 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)**	**12/08/2003** **0787/2003** **July2005** **22/10/2005** **23466**

(51)	**Int. Cl.^{7} G01R 11/24**
(71)	**1. POLYMETERS RESPONSE INTERNATIONAL LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. KAUSHIK GHOSH** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 0219035.3 – 15/08/2002** **2.** **3.**
(74)	**HODA ANIS SERAG EDDINE**
(12)	**Patent**

(54) APPARATUS FOR DETECTING TAMPERING WITH A UTILITY METER

Patent Period Started in 12/08/2003 and Ends in 11/08/2023

(57) An electronic utility meter to monitor magnetic fields in utility meters and to indicate the presence of abnormally large magnetic fields. The meter comprises means for detecting consumption of a utility , means for indicating the result of the detection and means for detecting the presence of a magnetic field originating outside the meter. Preferably , the magnetic field detection means includes a detection circuit which includes an inductance in the form of a coil wound around a ferrite core.

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)**	**20/09/2003** **0929/2003** **July2005** **22/10/2005** **23467**

(51)	**Int. Cl.[7] C01B 3/26 ,3/38 & F28D 1/00**
(71)	**1. KELLOGG BROWN & ROOT , INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. SHASHI P. SINGH** **2. AVINASH MALHOTRA** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 10/065.164 – 23/09/2002** **2.** **3.**
(74)	**HODA ANIS SERAG ELDINE**
(12)	**Patent**

(54)	**HYDROGEN ENRICHMENT SCHEME FOR AUTOTHERMAL REFORMING**
	Patent Period Started in 20/09/2003 and Ends in 19/09/2023

(57) Recycling a portion of autothermal reformer effluent into the steam hydrocarbon feed strean with a thermo – compresor ejector is disclosed, using the preheated feed mixture as motive fluid. Syngas recycle – motive fluid molar ratios are 0.2-1.0 selected to optimize the overall configuration. The recycle introduces hydrogen and steam into the feed, and elevates the feed temperature, for operating the reformer in a soot-free regime. There is some pressure drop between the raw feed steam-natural gas mixture and the reformer feed, which requires the raw feed mixture to be supplied at a higher pressure, but this is offset by the lower pressure drop in the process heater and other upstream and downstream equipment due to lower quantities of steam . The feed pre- heater can have a lower duty, and the upstream and downstream equipment can be reduced in size , while the size of the auttothermal reformer is about the same compared to the size needed for operation without effuent recycle.

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)**	**20/09/2003** **0930/2003** **July 2005** **22/10/2005** **23468**

(51)	**Int. Cl.[7] B01J 8/04 & C01C 1/04**
(71)	**1. KELLOG BROWN & ROOT INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. KENNETH L. BLANCHARD** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 10/065759 – 15/11/2002** **2.** **3.**
(74)	**HODA ANIS SERAG EDDINE**
(12)	**Patent**

(54)	**SPLIT- FLOW , VERTICAL AMMONIA CONVERTER**
	Patent Period Started in 20/09/2003 and Ends in 19/09/2023

(57) A vertical , fixed – bed ammonia converter wherein a fixed-bed catalyst zone is configured into two mechanically separated catalyst volumes and two gas streams that operate in parallel. The design maintains the ratio of gas flow to catalyst volume so that there is no catalyst effectiveness penalty. The catalyst beds and gas flow paths are configured so that gas flow is downward through each catalyst volume. Each fixed – bed catalyst zone in the present invention can hold the catalyst in an annular space formed between two concentric shrouds arranged around a shell and tube heat exchanger. The two catalyst beds associated with each zone are situated above one another along the length of an interstage heat exchanger. Pipes or conduits are disposed through the beds to effect the parallel gas flow configuration, or alternatively, annular flows are created via passages through the internal shrouds that contain the catalyst beds.

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)**	**04/06/2003** **0534/2003** **July2005** **24/10/2005** **23469**

(51)	**Int. Cl.[7] C08k 3/34 , 3/36**
(71)	**1. ELKEM ASA (NORWAY)** **2.** **3.**
(72)	**1. GERD SCHMAUCKS** **2.** **3.** **4.**
(73)	**1.** **2.**
(30)	**1. (NO) 20022708 – 07/06/2002** **2.** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54)	**ELASTOMERIC RESIN COMPOSITIONS**
	Patent Period Started in 04/06/2003 and Ends in 03/06/2023

(57) The present invention relates to elastomeric compounds having a high filler content additionally containg 1 to 400% by weight of resin of microsilica as a modifier to improve the processabiity.

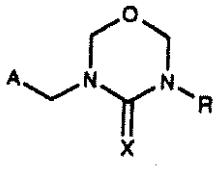
Thereafter, the invention relates to a method for production of elastomeric compounds having a high filler content, wherein microsilica is added to the elastomeric compounds in an amount of 1 to 400% by weight of resin as a modifier to improve processability.

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)**	**29/04/1997** **0353/1997** **July 2005** **24/10/2005** **23470**

(51)	**Int. Cl.**[7] **A01N 43/72, 43/88**
(71)	**1. NOVARTS AG (SWITZERLAND)** **2.** **3.**
(72)	**1. ROBERT SENN** **2. PETER MAIENFISCH** **3. PETER WYSS**
(73)	**1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND)** **2.**
(30)	**1. (CH) 1082/96 – 29/04/1996** **2.** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54)	**PESTICIDE**
	Patent Period Started in 29/04/1997 and Ends in 28/04/2017

(57) Composition for controlling insects and representatives of the order Acarina , which comprises a combination of variable amounts of one or more compounds of the formula



In which

A is an unsubstitutd or, depending on the possibility of substitution on the ring system, mono-to tetrasubstituted, aromatic or non-aromatic non-aromatic monocyclic or bicyclic heterocyclic radical, in which the substituents of A can be chosen from the group consisting of C_1-C_3 alkyl, C_1-C_3 alkoxy, halogen, halo - C_1-C_3 alkyl, cyclopropyl, halocyclopropyl C_2-C_3 alkenyl, C_2-C_3 alkynyl,halo- C_2-C_3 alkenyl, halo-C_1-C_3 alkynyl, halo, C_1-C_3 alkoxy, C_1-C_3 alkylthio, Halo, C_1-C_3 alkyloxy, propargyloxy,allylthio, propargylthio,haloallyloxy, haloallylthio, cyano and nitro;

R is hydrogen C_1-C_6 alkyl, phenyl – C_1-C_4 alkyl, C_2-C_6 cycloalkyl, C_2-C_6 alkenyl, or C_2-C_6 alkynyl, and

X is N-NO_2 or N-CN.

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)**	**07/07/2003** **0645/2003** **July2005** **24/10/2005** **23471**

(51)	**Int. Cl.[7] E21B 43/26 , 43/27**
(71)	**1. SOFITECH N.V (BELGIUM)** **2.** **3.**
(72)	**1. DIANKUI FU** **2. FRANK CHANG** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 10/191,179 – 09/07/2002** **2.** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54) COMPOSITIONS AND METHODS FOR TREATING A SUBTERRANEAN FORMATION

Patent Period Started in 07/07/2003 and Ends in 06/07/2023

(57) A method is provided for diverting the majority of the fluid injected into a stratified subterranean formation, that has at least one problematic zone and at least one hydrocarbon zone, into the hydrocarbon zone. In the method, a viscous diverting fluid made with a gelling amount of a surfactant and an acid is injected before the main treatment; after the treatment the acid decomposes the surfactant. The main treatment may be hydraulic fracturing , acid fracturing acid fracturing and matrix acidizing. The fluid used as the diverting fluid may also be used as the carrier fluid in hydraulic fracturing or gravel packing. Destruction of the surfactant alleviates the potential of diverters or carrier fluids to damage formations.

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

GRANTED PATENT'S ABSTRACTS

Egyptian Patent Office

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Patent Attorney Name	74

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HU	Hungary
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IL	Israel
IN	India
IQ	Iraq
IR	Iran
IS	Iceland
IT	Italy
JO	Jordan
JP	Japan
KE	Kenya
KP	Democratic Korea (N)
KR	Republic of Korea (S)
KW	Kuwait
LB	Lebanon

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TN	Tunisia
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TW	Taiwan
UG	Uganda
US	United states Of America
UY	Uruguay
VE	Venezuela
VN	Viet Nam
YD	Yemen
YU	Yugoslavia
ZA	South Afica-
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe
LA	Latfya

ABSTRACTS FOR GRANTED PATENTS (OCTOBER 2005)

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) 21/07/2003** **(21) 0715/2003** **(44) June 2005** **(45) 02/10/2005** **(11) 23457**

(51)	**Int. Cl [7] A43B 7/08, 12/7, 8/17**
(71)	**1. SIPORT SPA (ITALY)** **2.** **3.**
(72)	**1. GABRIELE GRANDINI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**HODA ANIS SERAG EDDIN**
(12)	**Patent**

(54) AN IMPROVED VENTILATED ITEM OF FOOTWEAR

Patent Period Started in 21/07/2003 and Ends in 20/07/2023

(57) An item of footwear is described which compromises in all combination:-

- An outsole having in its forepart at least a vent opening which is made through the thickness of said outsole ,
- a granting – like element which is set into said vent opening and acts as a screen by separating and protecting the inside of the footwear from the ground which comes into contact with said outsole
- a pliable sheet insert made from a breathable and water repellent material which is embedded into the outsole and is positioned inside the outsole so as to overlie said vent opening ,
- an insole made a breathable and water repellent material, and
- an upper made of a breathable and water repellent 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) 28/05/2003 (21) 0499/2003 (44) June 2005 (45) 02/10/2005 (11) 23458

(51)	Int. Cl [7] A36H 33/04
(71)	1. PLAST WOOD SRL (ITALY) 2. 3.
(72)	1. EDOARDO P. TUSACCIU 2. 3.
(73)	1. 2.
(30)	1. (IT) (RM 2002 U 000133) – 15/07/2002 2. 3.
(74)	HODA ANIS SERAG EDDIN.
(12)	Patent

(54) SET OF ELEMENTS FOR ASSEMLYING STRUCTURES

Patent Period Started in 28/05/2003 and Ends in 27/05/2023

(57) The invention relates to a set of elements for assembling complex structures, the set comprising a plurality of first magnetic bar elements, having a first length a plurality of ferromagnetic elements, and a plurality of second magnetic bar elements, having a second length. Said two lengths and the dimension of said ferromagnetic elements are such to allow the assembling of complex structures, e.g. classic crystallographic structures.

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) 14/07/2003** **(21) 0677/2003** **(44) June 2005** **(45) 02/10/2005** **(11) 23459**

(51)	**Int. Cl [7] A23L 1/30**
(71)	**1. BARRY CALLEBAUD AG (SWITZERLAND)** **2.** **3.**
(72)	**1. PHILIPPE BERTRAND** **2. PHILIPPE MARAND** **3.**
(73)	**1.** **2.**
(30)	**1. (FR) 09155/02 – 18/07/2002** **2.** **3.**
(74)	**HODA ANIS SERAG EDDIN**
(12)	**Patent**

(54)	**GELATIN SUBSTITUTION PRODUCTS AND APPLICATIONS IN THE FIELD**
	Patent Period Started in 14/07/2003 and Ends in 13/07/2023

(57) The invention relates to a gelatin substitution product, characterized in that it contains essentially a vegetable fat, in particular in that it contains essentially cocoa butter.

Application to the production of culinary confectionery preparations.

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) 28/05/2003** **(21) 0506/2003** **(44) June 2005** **(45) 04/10/2005** **(11) 23460**

(51)	**Int. Cl [7] E21B 41/00, 43/25**
(71)	**1. SOFITECH NV (BELGIUM)** **2.** **3.**
(72)	**1. MOHAN PANGA** **2. VEMURI BALAKOTALAH** **3. MURTAZA ZIAUDDIN**
(73)	**1.** **2.**
(30)	**1. (US) 60/384957 – 31/05/2002** **2.** **3.**
(74)	**HODA AHMED ABD EL HADY**
(12)	**Patent**

(54) MODELING SIMULATION AND COMPARISON OF MODELS FOR WORMHOLE FORMATION DURING MATRIX STIMULATION OF CARBONATES.

Patent Period Started in 28/05/2003 and Ends in 27/05/2023

(57) A new averaged/continuum model is presented for simulation of wormhole formation during matrix stimulation of carbonates.

The averaged model presented here takes into account the pore level physics by coupling the local pore scale phenomena to the macroscopic variables (Darcy velocity, pressure and reactant cup-mixing concentration) through the structure-property relationships (permeability-porosity, average pore size-porosity and interfacial area – porosity) and the dependence of the fluid-solid mass transfer coefficient and fluid phase dispersion coefficient on the evolving pore scale variables (average pore size, local Reynolds and Schmidt numbers).

This model allows better predictions of the flow channeling so that the matrix treatment may be adjusted to promote wormhole formations.

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) 24/02/2003** **(21) 0185/2003** **(44) June 2005** **(45) 04/10/2005** **(11) 23461**

(51)	**Int. Cl [7] B65D 83/04**	
(71)	**1. ASTRAZENECA AB (SWEDEN)** **2.** **3.**	
(72)	**1. MARIA BENKTZON** **2. THOMAS NILSSON** **3. STEFAN STRANDBERG**	**4. MALIN OREBACK**
(73)	**1.** **2.**	
(30)	**1. (SE) 0200561/9 – 25/02/2002** **2.** **3.**	
(74)	**HODA AHMED ABD EL HADY**	
(12)	**Patent**	

(54)	**BLISTER PACK DEVICE**
	Patent Period Started in 24/02/2003 and Ends in 23/02/2023

(57) The present invention relates to a blister pack device for storing and dispensing a dosage unit, comprising a container having an opening for receiving a blister pack. The container is provided with a dispensing means for ejecting a dosage unit from a blister of the blister pack, the dispensing means comprises a lever arm pivotally mounted on the container and a cavity in the container for receiving an ejected dosage unit wherein the lever arm has a first open position allowing the blister pack to be positioned under the arm and a second lowered position for ejecting the dosage unit from the blister into the cavity.

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) 03/03/2003** **(21) 0216/2003** **(44) June 2005** **(45) 04/10/2005** **(11) 23462**

(51)	**Int. Cl [7] C07C 209/00, 235/66**
(71)	**1. NOVARTIS AG (SWITZERLAND)** **2.** **3.**
(72)	**1. MAHAVIR PRASHAD** **2. OLIVIER LOHSE** **3. BIN HU**
(73)	**1.** **2.**
(30)	**1. (US) 60/362735 – 08/03/2002** **2.** **3.**
(74)	**HODA AHMED ABD EL HADY**
(12)	**Patent**

(54) ORGANIC COMPOUNDS

Patent Period Started in 03/03/2003 and Ends in 02/03/2023

(57) A process for preparing 5,6-diethyl –2,3-dihydro- 1*H*-inden-2- amine and acid addition salts thereof from 2-aminoindane. The process does not use deleterious Grignard reagents or nitrites such as isoamyl nitrite, and provides high regioselectivity and high yield of 5,6- diethyl- 2,3- dihydro- 1 *H*-inden-2-amine. In addition, acetyl halide can be used as both a reactant and a solvent

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) 11/11/2001** **(21) 1195/2001** **(44) June 2005** **(45) 08/10/2005** **(11) 23463**

(51)	**Int. Cl [7] C09K 17/00**
(71)	**1. Prof. HUSSEIN KHALIL GHARIEB (EGYPT)** **2. Dr. FAWZI ALI AL-AMROUSI (EGYPT)** **3.**
(72)	**1. INHERITERS OF Prof. HUSSEIN KHALIL GHARIEB** **2. Dr. FAWZI ALI AL-AMROUSI** **3.**
(73)	**1. Prof. HUSSEIN KHALIL GHARIEB** **2. Dr. FAWZI ALI AL-AMROUSI**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**USING OF CHAR COAL OBTAINED FROM CARBONIZATION OF ORGANIC WASTES WITH BITUMEN AS SANDY AND CLAYEY SOIL CONDITIONERS**
	Patent Period Started in 11/11/2001 and Ends in 10/11/2021

(57) The present invention relates to a method for conditioning the sandy and clayey soils by using charcoal which produced via carbonization of agricultural solid wastes. This charcoal pulverized and mixed with petroleum bitumen which between 3 to 12% and the mixture added to the soil by a special method depend on the nature of the soil.

Using the process of adding charcoal and bitumen mixture to the soil the properties of the sandy soil have been improved. Its capable to keep its water and added fertilizers for a long time and the adhesion of its granules was increased.

Moreover the process of using the bitumenized charcoal as additive to clayey soil improves its characteristics. This fulfilled by increasing its porosity, ventilation, reducing its energy of cultivation and its volume 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)	**28/08/2002** **0973/2002** **June 2005** **12/10/2005** **23464**

(51)	**Int. Cl [7] G04G 15/00**
(71)	**1. MOHAMED ZINHOM MOHAMED ALI (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED ZINHOM MOHAMED ALI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) LIGHT SYSTEM TIMER OPERATE BY TOUCH SWITCH

Patent Period Started in 28/08/2002 and Ends in 27/08/2022

(57) In the device Im cant solve all problem in the last system (automatic light machen) this machene is consists of some problem for example:
The wries amounted pipes amounted and switches amounted in the new bulding that's cases the consumer is not applied this idea.
Im cant solve this problem in the new device by add touch switch circuit to illuminate all lampes in the system at the user is touch the switch door.
The new idea is protective by the light detection circuit tooperate this device in the dark only the desigen power of this device is 1200 (watt).

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)	18/03/2003 0270/2003 July2005 26/10/2005 23465

(51)	Int. Cl.[7] B67D 1/08
(71)	1. HEINEKEN TECHNICAL SERVICES BV (NETHERLANDS) 2. 3.
(72)	1. GUIDO P. VAN DER KLAUW 2. BART J. BAX 3.
(73)	1. 2.
(30)	1. (NL) 1020202 – 19/03/2002 2. 3.
(74)	NAZEIH AKHNOUK SADEK ELIAS
(12)	Patent

(54) ASSEMBLY OF A TAPPING KEG WITH A NECK AND A CONNECTING DEVICE AND PARTS THEREFOR

Patent Period Started in 18/03/2003 and Ends in 17/03/2023

(57) An assembly of a tapping keg with neck and a connecting device for placement on said neck , wherein in the neck at least one valve is provided and wherein the connecting device is provided with pressure means for pressing the at least one valve open, wherein the neck is provided with an outwardly reaching flange with a top surface and a bottom surface, wherein the bottom surface is inclined with respect to the top surface and has at least a substantially planar central part, wherein the connecting device has a substantially horse shoe- shaped connecting element, provided with a slot by way of which the connecting element is slidable over the flange , wherein the side of the slot facing the bottom surface during use comprises a surface which is inclined at an angle which is at least virtually equal to the angle of inclination of the bottom surface and, in coupled condition, abuts at least against the planar central part of the bottom 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)	12/08/2003 0787/2003 July2005 22/10/2005 23466

(51)	Int. Cl.[7] G01R 11/24
(71)	1. POLYMETERS RESPONSE INTERNATIONAL LIMITED (UNITED KINGDOM) 2. 3.
(72)	1. KAUSHIK GHOSH 2. 3.
(73)	1. 2.
(30)	1. (GB) 0219035.3 – 15/08/2002 2. 3.
(74)	HODA ANIS SERAG EDDINE
(12)	Patent

(54) APPARATUS FOR DETECTING TAMPERING WITH A UTILITY METER

Patent Period Started in 12/08/2003 and Ends in 11/08/2023

(57) An electronic utility meter to monitor magnetic fields in utility meters and to indicate the presence of abnormally large magnetic fields. The meter comprises means for detecting consumption of a utility , means for indicating the result of the detection and means for detecting the presence of a magnetic field originating outside the meter. Preferably , the magnetic field detection means includes a detection circuit which includes an inductance in the form of a coil wound around a ferrite core.

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)**	**20/09/2003** **0929/2003** **July2005** **22/10/2005** **23467**

(51)	**Int. Cl.**[7] **C01B 3/26 ,3/38 & F28D 1/00**
(71)	**1. KELLOGG BROWN & ROOT , INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. SHASHI P. SINGH** **2. AVINASH MALHOTRA** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 10/065.164 – 23/09/2002** **2.** **3.**
(74)	**HODA ANIS SERAG ELDINE**
(12)	**Patent**

(54)	**HYDROGEN ENRICHMENT SCHEME FOR AUTOTHERMAL REFORMING**
	Patent Period Started in 20/09/2003 and Ends in 19/09/2023

(57) Recycling a portion of autothermal reformer effluent into the steam hydrocarbon feed strean with a thermo – compresor ejector is disclosed, using the preheated feed mixture as motive fluid. Syngas recycle – motive fluid molar ratios are 0.2-1.0 selected to optimize the overall configuration. The recycle introduces hydrogen and steam into the feed, and elevates the feed temperature, for operating the reformer in a soot-free regime. There is some pressure drop between the raw feed steam-natural gas mixture and the reformer feed, which requires the raw feed mixture to be supplied at a higher pressure, but this is offset by the lower pressure drop in the process heater and other upstream and downstream equipment due to lower quantities of steam . The feed pre- heater can have a lower duty, and the upstream and downstream equipment can be reduced in size , while the size of the auttothermal reformer is about the same compared to the size needed for operation without effuent recycle.

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)	**20/09/2003** **0930/2003** **July 2005** **22/10/2005** **23468**

(51)	**Int. Cl.[7] B01J 8/04 & C01C 1/04**
(71)	**1. KELLOG BROWN & ROOT INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. KENNETH L. BLANCHARD** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 10/065759 – 15/11/2002** **2.** **3.**
(74)	**HODA ANIS SERAG EDDINE**
(12)	**Patent**

(54) SPLIT- FLOW , VERTICAL AMMONIA CONVERTER

Patent Period Started in 20/09/2003 and Ends in 19/09/2023

(57) A vertical , fixed – bed ammonia converter wherein a fixed-bed catalyst zone is configured into two mechanically separated catalyst volumes and two gas streams that operate in parallel. The design maintains the ratio of gas flow to catalyst volume so that there is no catalyst effectiveness penalty. The catalyst beds and gas flow paths are configured so that gas flow is downward through each catalyst volume. Each fixed – bed catalyst zone in the present invention can hold the catalyst in an annular space formed between two concentric shrouds arranged around a shell and tube heat exchanger. The two catalyst beds associated with each zone are situated above one another along the length of an interstage heat exchanger. Pipes or conduits are disposed through the beds to effect the parallel gas flow configuration, or alternatively, annular flows are created via passages through the internal shrouds that contain the catalyst beds.

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)	04/06/2003 0534/2003 July2005 24/10/2005 23469

(51)	Int. Cl.[7] C08k 3/34 , 3/36
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(73)	1. 2.
(30)	1. (NO) 20022708 – 07/06/2002 2. 3.
(74)	HODA AHMED ABD EL HADI
(12)	Patent

(54)	**ELASTOMERIC RESIN COMPOSITIONS**
	Patent Period Started in 04/06/2003 and Ends in 03/06/2023

(57) The present invention relates to elastomeric compounds having a high filler content additionally containg 1 to 400% by weight of resin of microsilica as a modifier to improve the processabiity.

Thereafter, the invention relates to a method for production of elastomeric compounds having a high filler content, wherein microsilica is added to the elastomeric compounds in an amount of 1 to 400% by weight of resin as a modifier to improve processability.

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)	29/04/1997
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		(45)	24/10/2005
		(11)	23470

(51)	Int. Cl.[7] A01N 43/72, 43/88
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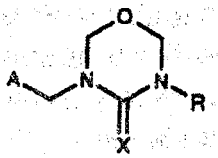
(30)	1. (CH) 1082/96 – 29/04/1996 2. 3.
(74)	HODA AHMED ABD EL HADI
(12)	Patent

(54)	**PESTICIDE**
	Patent Period Started in 29/04/1997 and Ends in 28/04/2017

(57) Composition for controlling insects and representatives of the order Acarina , which comprises a combination of variable amounts of one or more compounds of the formula



In which

A is an unsubstitutd or, depending on the possibility of substitution on the ring system, mono-to tetrasubstituted, aromatic or non-aromatic non-aromatic monocyclic or bicyclic heterocyclic radical, in which the substituents of A can be chosen from the group consisting of C_1-C_3 alkyl, C_1-C_3 alkoxy, halogen, halo - C_1-C_3 alkyl, cyclopropyl, halocyclopropyl C_2-C_3 alkenyl, C_2-C_3 alkynyl,halo- C_2-C_3 alkenyl, halo-C_1-C_3 alkynyl, halo, C_1-C_3 alkoxy, C_1-C_3 alkylthio, Halo, C_1-C_3 alkyloxy, propargyloxy,allylthio, propargylthio,haloallyloxy, haloallylthio, cyano and nitro;

R is hydrogen C_1-C_6 alkyl, phenyl – C_1-C_4 alkyl, C_2-C_6 cycloalkyl, C_2-C_6 alkenyl, or C_2-C_6 alkynyl, and

X is N-NO_2 or N-CN.

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)**	**07/07/2003** **0645/2003** **July2005** **24/10/2005** **23471**

(51)	**Int. Cl.**[7] **E21B 43/26 , 43/27**
(71)	**1. SOFITECH N.V (BELGIUM)** **2.** **3.**
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(73)	**1.** **2.**
(30)	**1. (US) 10/191,179 – 09/07/2002** **2.** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54)	**COMPOSITIONS AND METHODS FOR TREATING A SUBTERRANEAN FORMATION**
	Patent Period Started in 07/07/2003 and Ends in 06/07/2023

(57) A method is provided for diverting the majority of the fluid injected into a stratified subterranean formation, that has at least one problematic zone and at least one hydrocarbon zone, into the hydrocarbon zone. In the method, a viscous diverting fluid made with a gelling amount of a surfactant and an acid is injected before the main treatment; after the treatment the acid decomposes the surfactant. The main treatment may be hydraulic fracturing , acid fracturing acid fracturing and matrix acidizing. The fluid used as the diverting fluid may also be used as the carrier fluid in hydraulic fracturing or gravel packing. Destruction of the surfactant alleviates the potential of diverters or carrier fluids to damage formations.