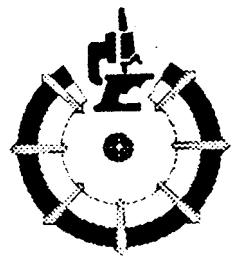
Arab Republic of Egypt
Ministry of State for Scientific Research
Academy of Scientific Research & Technology



GRANTED PATENT'S ABSTRACTS

Egyptian Patent Office

Issue No 116 January 2006

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/12/2003** **1057/2003** **September 2005** **03/01/2006** **23493**

(51)	**Int. Cl.[7] A01C 1/06**
(71)	**1. MONSANTO TECHNOLOGY LLC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. JAWED ASPAR** **2. VLADIMIR O. BEKKER** **3. YIWEI DING**
(73)	**1.** **2.**
(30)	**1. (US) 60/430,572 – 03/12/2002** **2.** **3.**
(74)	**HODA AHMED ABD EL HADI**
(12)	**Patent**

(54)	**METHOD OF PROTECTING SEEDS TREA TED WITH A PHYTOTOXIC AGENT**
	Patent Period Started in 01/12/2003 and Ends in 30/11/2023

(57) A method of improving germination rate in pesticide-treated plant seeds involves forming a pesticide-free polymer coating on a plant seed before treating the seed with a pesticide, where the type of polymer and the coating thickness are designed to block phytotoxic contact of the pesticide with the seed while allowing sufficient transfer of oxygen to maintain the seed's viability and sufficient transfer of moisture under environmental conditions normally encountered by the seed after planting to enable its germination; and then treating the coated plant seed with a pesticide. Seeds that have been treated by this method, and plants that are grown from the treated seeds are also described.

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(51)	**Int. Cl.[7] B01J 8/02 , 8/04**
(71)	**1. METHANOL CASALE SA (SWITZERLAND)** **2.** **3.**
(72)	**1. FILIPPI ERMANNO** **2. ENRICO RIZZI** **3. MORCO TAROZZO**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**SAMAR AHMED EL LABBAD**
(12)	**Patent**

(54) HEAT EXCHANGE UNIT FOR PSEUDO - ISOTHERMAL REACTORS

Patent Period Started in 18/06/2003 and Ends in 17/06/2023

(57) A heat exchange unit for axial and radial pseudo- isothermal and radial pseudo-isothermal reactors which comprise a substantially cylindrical shell closed at the opposite ends by base plates a reaction zone containing a catalytic bed and at least one heat exchanger of the type with a plate having a variable section along the direction of the flow of operating heat exhange fluid.

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(51)	**Int. Cl.[7] A47L 13/14**
(71)	**1. GIANT LEAD INC (TAIWAN)** **2.** **3.**
(72)	**1. MING – HSIEN LIN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (TI) 092201979 – 30/01/2003** **2.** **3.**
(74)	**SAMIA MIKHAIL RIZK & SOHEIR MIKHAIL RIZK , SALWA MIKHAIL RIZK**
(12)	**Utility Model**

(54)	**SWEEPING AND WRINGING APPARATUS**
	Patent Period Started in 24/12/2003 and Ends in 23/12/2010

(57) The inventor provides a sweeping and wringing apparatus comprising:a handle; a moving bar, having an upper end hingedly connected to said handle and a lower end placed inside said handle; and a transmission rod, glidingly mounted within said handle and having an upper end hingedly connected to said lower end of said moving bar; the apparatus also includes a frame; a pair of hinge plats having a bent part with a bolt;
a pulling element, attached to said lower end of said transmission rod; a pair of holding plates , having vertical ribs with inner ends hingedly connected to said pulling element; and a cleaning head,fastened to said pair of holding plates, comprising a positioning plate and a cleaning element fastened to positioning plate on a lower side thereof

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(51)	**Int. Cl.[7] G05B 15/00 & G06F 19/00**
(71)	**1. ENG. BASSUONY ZAKI BASSUONY ABD EL HAMID EBRAHIM (EGYPT)** **2.** **3.**
(72)	**1. ENG. BASSUONY ZAKI BASSUONY ABD EL HAMID EBRAHIM** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**FLEXIBLE AUTOMATIC CONTROL SYSTEM BASED ON INDUSTRIAL COMPUTER OR PC**
	Patent Period Started in 24/12/2003 and Ends in 23/12/2023

(57) This system can be used for controlling factory machines. Flexibility is the main advantage of it. The number of inputs and outputs of this system is not fixed and can be increased or decreased when needed and also type – either being digital or analogue – of inputs or outputs can be changed without affectig the stability of the system.

This system solves the problems created by lack of flexibility of previous systems which have a consstant number of inputs and outputs of certain type. Those problems come to surface when there is a need for new developments on the factory which means adding more inputs or outputs of certain type . With old systems there was a need for replacing current control system with a new one that satisfies overall number of inputs and outputs of types needed.

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(51)	**Int. Cl.[7] G06F 3/02 , 3/00 &B41J 3/32 , G09B, 13/04**
(71)	**1. ENG. BASSUONY ZAKI BASSUONY ABD ELHAMID EBRAHIM (EGYPT)** **2.** **3.**
(72)	**1. ENG. BASSUONY ZAKI BASSUONY ABD ELHAMID EBRAHIM** **2.** **3.** **4.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**BOARD TO ENTER LETTERS TO PERSONAL COMPUTERS FOR BLIND PEOPLE**
	Patent Period Started in 24/03/2004 and Ends in 23/03/2024

(57) This Board can be used by blind people entering letters to personal computers (PCs) . The main advantage of this board is that it uses the same technique of Slate and stylus which is a handy method for writing on papers for blind. Slate and stylus technique is well known to all blind people here in Egypt and all over the world.

Using This board does not need long training period to achieve a high input rate (number of letters that blind user can enter to PC per minute) that is because all blind people are familiar with the technique of Slate and stylus. Also eight different boards can be connected to a single PC which means that eight blind users can use single PC at the same ti

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(51)	**Int. Cl.[7] A61K 7/04**
(71)	**1. SYNGENTA LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. JONATHAN R. HEYLINGS** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 3012796 20/01/2003** **2.** **3.**
(74)	**SOHEIR MEKAEIL REIZK**
(12)	**Patent**

(54)	**METHOD OF DERMAL PROTECTION**
	Patent Period Started in 13/01/2004 and Ends in 12/01/2024

(57) A method of dermal protection following contact between the skin and a composition containing a bipyridylium herbicide such as praquat or diquat comprises incorporating an alginate in said composition.

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(51)	**Int. Cl.[7] B05D 1/02 , 1/18 , 1/30 , 7/00**
(71)	**1. ADVANCED PLASTICS TECHNOLOGIES LTD (UNITED KINGDOM)** **2.** **3.**
(72)	**1. GERALD A. HUTCHINSON** **2. ROBERT A. LEE** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/394,092 – 03/07/2002 & 60/422,251 – 28/10/2002 & 60/441,718 – 21/01/2003** **2.** **3.**
(74)	**NAZEH AKNOKH SADEK ELIAS**
(12)	**Patent**

(54) DIP, SPRAY , AND FLOW COATING PROCESS FOR FORMING COATED ARTICLES

Patent Period Started in 01/07/2003 and Ends in 30/06/2023

(57) This invention relates to methods and apparatus for making coated articles with one or more layers by dip, spray or flow coating . In one aspect , this invention relates to an apparatus and method for making coated containers , preferably comprising polyethylene terephthalate , from coated preforms . In preferred embodiment , the apparatus and method permit the coated container or preform to be made in an energy – efficient manner that reduces the danger of coating damage and thus increases the efficacy of the final container .

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(51)	**Int. Cl.[7] B01J 38/50 , 38/56 & C07C 5/22**		
(71)	**1. SASOL NORTH AMERICA INC (UNITED STATES OF AMERICA)** **2.** **3.**		
(72)	**1. BARRY J. WINDER** **2. DONALD L. WHARRY** **3. JOHN R. SCHELL**	**4. MARY J. BROWN** **JOY L. MURRAY** **RICHARD C. HOWE**	**7. WAYNE L. SORENSEN** **8. DANIEL P. SZURA** **9. FRANK GATES**
(73)	**1.** **2.**		
(30)	**1. (US) 10/090,859 – 05/03/2002** **2. (US) (PCT/US 03/1432) – 16/01/2003** **3.**		
(74)	**NAZEH AKNOKH SADEK ELIAS**		
(12)	**Patent**		

(54) A REACTIVE DISTILLATION ALKYLATION PROCESS INCLUDING IN SITU CATALYST REGENERATION

Patent Period Started in 04/09/2004 and Ends in 03/09/2024

(57) A unified process which couples a unique in – situ catalyst regeneration process with a continuous reactive distillation under pressure for the alkylation of light aromantic hydrocarbons such as benzene with C2 – C30 olefins using a solid acid alkylation catalyst supported in the reflux zone of a distillation column . Periodic regeneration of the catalyst is carried out with a countercurrent injection of a C4 – C16 paraffin below the benzene rectification zone at the top of the column , but above the catalyst zone while the aromantic hydrocarbon reaction feedstock is injected continuosly at a point above a rectification zone at the base of the column where the aromantic compound is separated from the paraffin and by – products washed from the catalyst . The use of the C4 – C16 paraffin with the aromantic at a mole fraction in the range of 40 to 90% enables a regeneration temperature of about 175 – 250 ° C to be achieved and maintained by adjusting the column pressure and aromantic reflux rate . Significantly lower pressure , on the order of 125 to 370 pasig , are required to achieve regeneration temperature than would be otherwise required with the use only of the aromantic hydrocarbon to dilute and wash the by – products from the catalyst surfaces .

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(51)	**Int. Cl.[7] A24D 1/00**
(71)	**1. PHILIP MORRIS PRODUCTS, INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. PING LI** **2. FIROOZ RASOULI** **3. MOHAMMAD HAJALIGOL**
(73)	**1.** **2.**
(30)	**1. (US) 60/371,729 – 12/04/2002** **2.** **3.**
(74)	**HODA ANIS SERAG EL DIN**
(12)	**Patent**

(54) PARTIALLY REDUCED NANOPARTICLE ADDITIVES TO LOWER THE AMOUNT OF CARBON MONOXIDE AND/OR NITRIC OXIDE IN MAINSTREAM SMOKE OF A CIGARETTE

Patent Period Started in 12/04/2003 and Ends in 11/04/2023

(57) Cut filler compositions, cigarettes, methods for making cigarettes and methods for smoking cigarettes which involve the use of partially reduced nanoparticle additives capable of acting as an oxidant for the conversion of carbon monoxide to carbon dioxide and/or as a catayst for the conversion of carbon monoxide to carbon dixide are provided. The compositions, articles and methods of the invention can be used to reduce the amount of carbon monoxide and/or nitric oxide present in mainstream smoke. The partially reduced additive can be formed by partially reducing Fe203, to produce a mixture of various reduced forms such as Fe204, fe0 and/or Fe, along with unreduced Fe203.

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(51)	**Int. Cl.[7] B60J 1/20**
(71)	**1. ESER OTOMOTIV PLASTIK KALIP SANAYI VE TICARET LIMITED SIRKET(TURKEY)** **2.** **3.**
(72)	**1. ALI ULVI SIR** **2. ERDINC CALISICI** **3.**
(73)	**1.** **2.**
(30)	**1. (TR) (U 2003/00245) – 27/02/2003** **2.** **3.**
(74)	**MAHMOUD RAGAEE ELDOKY**
(12)	**Utility Model**

(54) SINGLE PIECE FRONT SHUTTER FOR THE CAR

Patent Period Started in 22/02/2004 and Ends in 21/02/2011

(57) Our discover is known as front shutter in the market that is related with covering pieces in the automobile which establishes a visual display difference at the front pant panel of the car where it is assembled in between the front two head lights to protect the part of the radiator before the motor from external factors; it is also conforming to the other types of shutters in the range of similar products in the market and it is " composed of a single piece " Our product consists of ; an upper part, frontal part, lower part and porous panels.

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(51)	**Int. Cl.[7] C07C 5/03**
(71)	**1. CATALYTIC DISTILLATION TECHNOLOGIES (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. J. YONG RYU** **2. JOHN R. ADAMS** **3. WILLIBRORD A. GROTEN**
(73)	**1.** **2.**
(30)	**1. (US) 10/215,096 – 08/08/2002** **2.** **3.**
(74)	**NAZEH AKNOKH SADEK ELIAS**
(12)	**Patent**

(54)	**SELECTIVE HYDROGENATION OF ACETYLENES**
	Patent Period Started in 28/06/2003 and Ends in 27/06/2023

(57) A process for removing acetylenic compounds using unsulfided metallic nickel or unsulfided metallic nickel modified with metallic Mo , Re , Bi or mixtures in which the catalyst is used alone or is used in combination with other acetylenic selective catalysts . The unsulfided metallic nickel catalyst or modified catalyst is preferably the first catalyst to contact the hydrocarbon stream .

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GRANTED 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)**	**28/08/2001** **0931/2001** **August 2005** **06/02/2006** **23504**

(51)	**Int. Cl.^{7} A46B 9/04**
(71)	**1. CORONET – WERKE GMBH (GERMANY)** **2.** **3.**
(72)	**1. GEORG WEIHRAUCH** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 10042446,5 – 29/08/200** **2.** **3.**
(74)	**MOHAMED MOHAMED BAKIR**
(12)	**Patent**

(54)	**BRUSHWARE**
	Patent Period Started in 28/08/2001 and Ends in 27/08/2021

(57) In brushware comprising a bristle support and bristles connected thereto , at least part of the bristles are combined into bristle groups, wherein the separation between the bristles is smaller than the separation between the geometrical centers of neighboring bristles groups. Such brushware is characterized in that the separation between the geometrical center of at least one bristle group and the geometrical center of at least one neighboring bristle group is substantially equal to or larger than the product between the average number of bristles in the two bristle groups and the average diameter of these bristles. This design and arrangement permits the working ends of the bristles of these bristle groups to be linearly aranged in the brushing direction, irrespective of their mounting surface on the bristle support, to penetrate into narrow gaps and depressions.

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(51)	**Int. Cl.[7] B01J 8/18 , 38/04 , 38/10 , 38/12 & C10G 29/00 , 29/04**	
(71)	**1. CONOCOPHILIPS COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. MAX W. THOMPSO** **2. BEHZAD JAZAYERI** **3. ROBERT ZAPATA**	**4. MANUEL HERNANDEZ**
(73)	**1.** **2.**	
(30)	**1. (US) 60/370488 – 04/04/2002 & 10/120700 – 11/04/2002** **2.** **3.**	
(74)	**HODA AHMED ABDEL HADY**	
(12)	**Patent**	

(54) DESULFURIZATION SYSTEM WITH NOVEL SORBENT TRANSFER MECHANISM

Patent Period Started in 01/04/2003 and Ends in31/03/2023

(57) A hydrocarbon desulfurization system employing regenerable solid sorbent particulates in a fluidized bed desulfurization reactor. The sulfur-loaded sorbent particulates are continuously withdrawn from the reactor and transferred to a regenerator.

A novel solids transport mechanism provides for the safe and effective transfer of the sulfur loaded sorbent particulates from the high pressure hydrocarbon environment of the reactor to the low pressure oxygen environment of the regenerator.

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(51)	**Int. Cl.[7] E21B 37/06 , 41/02 , 43/25**
(71)	**1. BP EXPLORATION OPERATING COMPANY LIMITED (UNITED KINGDOM)** **2.** **3.**
(72)	**1. IAN R. COLLINS** **2. TREVOR JONES** **3. CHRISTOPHER G. OSBORNE**
(73)	**1.** **2.**
(30)	**1. (GB) 0219037,9 – 15/08/2002** **2.** **3.**
(74)	**SHADY FAROUK MOBARAK**
(12)	**Patent**

(54) PROCESS FOR TREATING A FORMATION

Patent Period Started in 13/08/2003 and Ends in12/08/2023

(57) A method of introducing an oil field or gas field production chemical into a hydrocarbon – bearing porous subterranean formation penetrated by a wellbore comprising injecting a gelling composition comprising an aqueous liquid, an oil field or gas field production chemical, and a gellable polymer through the wellbore into the porous subterranean formation wherein the gellable polymer forms a gel within the pores of the subterranean formation thereby encapsulating the production chemical in the gel; and controllably releasing the production chemical from the gel into a formation fluid.

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(51)	**Int. Cl.[7] C08F 26/04**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. PROF.DR.SAMY EL SEBAY ABU HEIBA SHALABY** **2. DR.NASER GAD AHMED EL BALAKOCY** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MAGDA MOHSEN ELSAID , AMAL YOSEIF AHMED , MONA MOHAMED FARID**
(12)	**Patent**

(54)	**A SIMPLE, EFFICIENT AND GENERALLY APPLICABLE METHOD FOR GRAFTING OF VINYL MONOMERS ONTO NYLON-6 FIBRES**
	Patent Period Started in 23/09/2003 and Ends in 22/09/2023

(57) The present invention aims to develop a simple, efficient and generally applicable method for grafting of vinyl monomers onto nylon – 6 fibres for imparting desirable properties to the fibres. The method is based on creating of quaternary ammonium groups in nylon-6 macromlecules via polymerization of dially dimethylammonium chloride (DADMAC) in the presence of nylon-6 fibres using potassium presulphate as initiator, complexation with initiator and finally grafting with the choused vinyl monomer. The salient feature of this method is that grafting reaction occurs with high rate and without homopolymer formation.

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(51)	**Int. Cl.[7] H04N 7/18**
(71)	**1. SENTRUS INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. RICHARD D. WEINSTEIN** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 10/082682 – 25/02/2002** **2. (US) PCT US 03/05716 – 25/02/2002** **3.**
(74)	**NAZIH AKHNOUD SADEK**
(12)	**Patent**

(54)	**METHOD AND SYSTEM FOR REMOTE WIRELESS VIDEO SURVEIL LANCE**
	Patent Period Started in 23/08/2004 and Ends in22/08/2024

(57) Disclosed are a system and method for provideing wireless video surveillance of a remote location using microwave transmission of video data using TCP/IP networking protocol. The system comprises a remote unit having one or more analog cameras. A video encoder/decoder linked to a microwave transceiver using Ethernet transceiver connected by a twisted wire pair. The microwave transmission is received by a base unit comprising another microwave transceiver and Ethernet transceiver linked to a computer. The base unit computer is connected to one or more computer networks to enable transmission of video data to multiple computer terminals on the network.

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(51)	**Int. Cl.[7] A61K7/50 & C11D 13/18 , 17/00**	
(71)	**1. UNILEVER PLC (UNITED KINGDOM)** **2.** **3.**	
(72)	**1. MICHAEL P. ARONSON** **2. BADREDDINE AHTCHI-ALI** **3. SERGIO R. LEOPOLDINO**	**4. GREGORY J. MC FANN** **5. MARIANGELA G.SICHMANN**
(73)	**1.** **2.**	
(30)	**1. (US) 10/340457 – 10/01/2003** **2.** **3.**	
(74)	**HODA AHMED ABDEL HADY**	
(12)	**Patent**	

(54)	**EXTRUDED MULTIPHASE BARS EXHIBITING ARTISAN-CRAFTED APPEARANCE**
	Patent Period Started in 06/01/2004 and Ends in 05/01/2024

(57) The present invention relates to multiphase personal washing bars having artisan crafted appearance. In such bars the hardness of the discontinuous phase is greater than2 times the hardness of the continuous phase. It further relates to processes for making the bar, and methods of using the same.

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(51)	**Int. Cl.^{7} A23G 9/00 , 9/02**
(71)	**1. SOCIETE DES PRODUITS NESTLE SA (SWITZERLAND)** **2.** **3.**
(72)	**1. ERIC T. BESTE** **2. LINDA COULTER** **3. JULIA E. ERICKSON DECRUZ**
(73)	**1.** **2.**
(30)	**1. (US) 09/425045 – 22/10/1999** **2.** **3.**
(74)	**HODA AHMED ABDEL HADY**
(12)	**Patent**

(54)	**SLOW MELTING COATING FOR ICE CONFECTIONS**
	Patent Period Started in 21/10/2000 and Ends in20/10/2020

(57) An ice confection coating of an aqueus based sol containing a pectin and a setting agent in an amount sufficient to cause gelation of the sol. Also included are methods for preparing the coting, methods for applying the coating and the resultant coated ice confection products.

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(51)	**Int. Cl.[7] A61k 35/56**
(71)	**1. EGYPTIAN ORGANISATION FOR BIOLOGICAL PRODUCTS (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED SALEM ELABADY** **2.** **3.** **4.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**AMERA TAWFIK**
(12)	**Patent**

(54)	**PRODUCTION OF ANTI-HUMAN SERUM WITH HIGH TITER FROM RABBITS**
	Patent Period Started in 21/11/2001 and Ends in 20/11/2021

(57) Nowaday we can prepare and manufacturing a highly patent and highly efficient Anti-human – whole serum from rabbit origin which is usually used in Forensic laboratories of ministry of interior and ministry of justice to differentiate mong bloods of different species in some murders. Here we follow a certain schedule of immunization from our invention to satisfy our aim in preparation an efficient and the most potent anti-human serum and the immunization schedule can be summerized a follows.

- Rabbiits from 3-hkg were used, each rabbit was injected itradermay with 2 cm Hum_an serum (from booled serum) a cm complete freunds adjuvant, The schedule continued by weekly intramuscular injection of the same quantity of emulsified serum for 6 weeks, A booster dose of the emulsified solution usually administered S.G.
- Its potency was then determined by immune diffusion technique using 1% agarose
- Its potency was also determined by forensic laboratories, and the results were satisfactory when compated to the exported products .

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

GRANTED PATENT'S ABSTRACTS

Egyptian Patent Office

Issue No 118 March 2006

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**24/01/2004** **0044/2004** **November 2005** **07/03/2006** **23512**

(51)	**Int. Cl [7] C08G 63/82**	
(71)	**1. SAUDI BASIC INDUSTRIES CORPORATION (SAUDI ARABIA KINGDOM)** **2.** **3.**	
(72)	**1. JAMIL A. SIDDIQUI** **2. KHALED AL LUHAIDAN** **3. RAOMER GUTMANN** **4. AREF URIA**	**5. MICHAEL SCHWEIZER** **6. ANDREAS FRITZ** **7. BANDER AL FARHOOD**
(73)	**1.** **2.**	
(30)	**1. (EPO) (PCT/EPO 03/00629 – 23/01/2003** **2.** **3.**	
(74)	**ABU-SETTA & PARTNERS, Mr ASHRAF IBRAHIM A. EL NABI**	
(12)	**Patent**	

(54) CATALYST COMPLEX FOR CATALYSING ESTERIFICATION AND TRANS-ESTERIFICATION REACTIONS AND PROCESS FOR ESTERIFICATION/TRANS-ESTERIFICATION USING THE SAME

Patent Period Started in 24/01/2004 and Ends in 23/01/2024

(57) The present invention relates to a novel catalyst complex for catalysing esterification and trans-esterification reactions, comprising:

1)A polymeric titanium glycolate having the formula $[TIO_4(CH_2)_4]_n$ wherein n = 1 to 200; and

2) An alkali metal glycolate.

Where in the molar ratio of the polymeric titanium glycolate and the alkali metal glycolate is about 1.25:1 to about 1 00:1 preferably about 1.25:1 to 10:1; and to a process for esterification of a dicarboxylic acid compound and an dialcoholic compound, followed by polycondensation to form a polyester.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	E G	**(22) 05/08/2003** **(21) 0763/2003** **(44) September 2005** **(45) 08/03/2006** **(11) 23513**

(51)	**Int. Cl [7] B22D 41/00, 11/103, 35/04**
(71)	**1. REFRACTORY INTELLECTUAL PROPERTY GMBH & CO KG (AUSTRIA)** **2.** **3.**
(72)	**1. ALEXANDER RETSCHNIG** **2. BERNHARD LONGIN** **3. DIETER PIRKNER**
(73)	**1.** **2.**
(30)	**1. (DE) 10235867,2 – 05/08/2002** **2.** **3.**
(74)	**MOHAMED MOHAMED BEKIR**
(12)	**Patent**

(54) REFRACTORY CERAMIC COMPONENT

Patent Period Started in 05/08/2003 and Ends in 04/08/2023

(57) The invention relates to a refractory ceramic component which can be designed , for example, in the form of a impact pad or a melt channel.
In order to reduce the kinetic energy of the melt fed into said component and to receive a more laminar melt flow the ceramic refractory component is provided with at least one inclined inner wall section between an area, where the melt contact the component and an outlet end.
More specificly the component provided the following features:
A base
At least two walls

The walls extend from opposite sections of the base in such away that their inner surfaces run at least in section at an angle >0 and < 90 degrees to a plane E-E, perpendicular to base and with the opposed inclination,

An opening (0) is formed between free ends of the walls

There is at least one section between the base and the opening (0) at which the distance (Dmin, qmin) between the walls is smaller than than in the areas connecting to it in the direction towards the opening (0) and the base.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EG	**(22) 12/05/2003** **(21) 0439/2003** **(44) December 2005** **(45) 15/03/2006** **(11) 23514**

(51)	**Int. Cl [7] E21B 17/00**
(71)	**1. SUNSTONE CORPORATION (UNITED STATE OF AMERICA)** **2.** **3.**
(72)	**1. WILLIAM J. HUGHES** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 10/ 146,288– 15/05/2002** **2.** **3.**
(74)	**OSAMA MOHAMED MOHAMED ISMAIL**
(12)	**Patent**

(54) IMPROVED TUBING CONTAINING ELECTRICAL WIRING INSERT

Patent Period Started in 12/05/2003 and Ends in 11/05/2023

(57) An improved tubing for use in a well bore has an insert installed, preferably coaxially, within the improved tubing. The insert has projection at each end such that when two inserts are placed end to end, the projections mate. The insert has at least one groove cut into its outside and running the length of the insert for the placement of a wire (such as electrical or optical) for transmission of power or data to and from the well bore. The insert may conation as many groove and wire combination as are necessary. The wire has a connector at each end of the insert. When the insert are placed to end, the insert projections line up the electrical connectors for correct mating of the electrical connectors. Preferably the insert secured by welding or some other method inside the tubing. A threaded coupler protects the exposed insert and electrical connector and secures individual pieces of improved tubing together to from an elongated tubing string having transmission capability.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EG	**(22) 08/10/2003** **(21) 0968/2003** **(44) December 2005** **(45) 15/03/2006** **(11) 23515**

(51)	**Int. Cl [7] G02B 6/44**
(71)	**1. LG CABLE LTD (REPUBLIC OF KOREA)** **2.** **3.**
(72)	**1. TAE – GYOUNG KIM** **2. MIN SON** **3.**
(73)	**1.** **2.**
(30)	**1. (KP) 10/0011768 – 25/02/2003** **2.** **3.**
(74)	**OSAMA MOHAMED MOHAMED ISMAIEL**
(12)	**Patent**

(54) LOOSE TUBE OPTICAL CABLE

Patent Period Started in 08/10/2003 and Ends in 07/10/2023

(57) Disclosed is a loose tube optical cable, which includes at most four cable aggregation units longitudinally twisted in contact with a central tensile member and having a loose tube optical fiber unit or inclusion, a cable coating for longitudinally surrounding a cable core aggregation having the central tensile member and the cable aggregation units, and one selected from the group consisting of a fibered tension- reinforcing member for surrounding the cable core aggregation, a wired tension- reinforcing member and a ring-shaped tension-reinforcing member formed in the cable coating. This loose tube optical cable has a compact structure by excluding unnecessary inclusion, thereby decreasing the outer diameter and the weight thereof. In addition, since the central tensile member and the tension- reinforcing member are not twisted with the cable aggregation units, tensile stress may be minimized in the optical cable.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EG	**(22) 16/08/2003** **(21) 0508/2003** **(44) December 2005** **(45) 15/03/2006** **(11) 23516**

(51)	**Int. Cl [7] C11B 3/00 & A23D 9/00**
(71)	**1. Prof. Dr. YOUSSEF ALY EL-SHATTORY (EGYPT)** **2.** **3.**
(72)	**1. Prof. Dr. YOUSSEF ALY EL-SHATTORY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**ISOLATION OF SOY OIL FROM THE CRUDE COMMERCIAL LECITHIN AND DECOLOURISATION OF THE PURE LECITHIN USING SIMPLE AND ECONOMIC MEHOD**
	Patent Period Started in 16/08/2003 and Ends in 15/08/2023

(57) The production of soybean oil can be increased by the amount that have been lost with commercial lecithin during its isolation from the crude oil. The loss in oil can be measured by about 35% of commercial lecithin's weight is dark brown in colour.

In addition decolourisation of the commercial lecithin can be made with removing its dark brown colour results in a pure and bleached lecithin (yellow in colour) with high quality and high concentration and can be used in many applications.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	E G	**(22) 07/04/2003** **(21) 0323/2003** **(44) September 2005** **(45) 16/03/2006** **(11) 23517**

(51)	**Int. Cl [7] F16L 17/10**
(71)	**1. GLOWAY INTERNATIONAL INC (UNITED KINGDOM)** **2.** **3.**
(72)	**1. DANIEL G. BALL** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (GB) 0208098,4 – 09/04/2002** **2.** **3.**
(74)	**MONIR WAHBA MOSA**
(12)	**Patent**

(54) PIPA REPAIR SYSTEM AND DEVICE

Patent Period Started in 07/04/2003 and Ends in 06/04/2023

(57) The invention provides a coupling member for use in the repair of pipes and pipeline of from 90mm to 250mm in diameter, such as those used for the pipeline transportation and delivery of domestic and industrial liquids such as water, gas, oil and other petrochemicals. Two coupling members are used for each repair. First burst section of pipe is identified and burst located then the burst section of the pipe is cut away, leaving two preferably square planer cut ends of the old pipa facing each other and separated by length of the removed portion of the burst pipe. Next that cut-away pipe portion is replaced by an identical length of a new pipe section having a similar internal diameter, onto which there have been pre-located two pipe connectors according to the invention. Each has a first collar portion for surrounding the new pipe section and second collar portion for surrounding a cut portion of the old pipe section, and the two pipe connectors are located with their respective first collar portions adjacent to one another and their respective second collar portions facing mutually outwardly towards the opposite ends of the new pipe section. Each first collar portion has an annular groove formed on an inside surface of the connector, and in the groove is a set of gripper segments and seal members as disclosed in EP-B-727026 or EP-B998643. Each second collar portion has a similar annular groove formed on an inside surface of the connector containing a rubber sealing ring. Pressure chambers are formed between the annular groove and seal member of the first collar portions and between the annular groove and the nitrile rubber sealing ring of the second collar portions. Finally high pressure grease is applied first to the pressure chambers of the first. collar portions so as to move the arcuate gripper members into gripping engagement with first pipe section, and to establish a seal against the external of the new pipe section by compression of the sealing means against that outer diameter and then to the pressure chambers formed in the second collar portions of the pipe connectors, so that the nitrile sealing members contained in the annual recesses of the second collar portions are forced to extrude radially inwardly from the recesses of the collar portions and into firm sealing contact with the external diameter of the old pipe section. The coupling member thus established between the old and new pipe section is rapid and easy to install, can be installed even in cramped conditions, and effects a permanent repair to the burst pipe.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EG	**(22) 29/06/2003** **(21) 0622/2003** **(44) December 2005** **(45) 19/03/2006** **(11) 23518**

(51)	**Int. Cl [7] A01K 49/00**
(71)	**1. AHMAD MOHAMED IBRAHIM ZOHAIRY (EGYPT)** **2.** **3.**
(72)	**1. AHMAD MOHAMED IBRAHIM ZOHAIRY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**HALF – BALL – CAGE WITH QUEEN EXCLUDER FOR HONEYBEE QUEEN REARING**
	Patent Period Started in 29/06/2003 and Ends in 28/06/2023

(57) The great characteristic of this cage is that, the queen rearing can be done in any strong colony with queenright which works regularly and in presence of brood combs (eggs-larvae of different ages and pupa). This is not happened before in other queen rearing methods till now.

This cage is made from a thin metal plate stripe its width 1,3 cm. with fold (dosra), this stripe round as ring from with 5 cm. diameter ,fix it half – ball from queen excluder wire , which are big enough to allow nurse bees to pass through it to feed the larvae , but not allow the queen to pass through it.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/12/2003** **1062/2003** **September 2005** **19/03/2006** **23519**

(51)	**Int. Cl [7] A61K 31/00 & C12N 15/00 & C12P 1/04**	
(71)	**1. Prof. Dr. OSSAMA MOHAMED EL-TAYEB (EGYPT)** **2. Dr. AISHA A. EL-AZIZ SALAMA (EGYPT)** **3. Dr. MANAL M. MAHER AHMED HUSSEIN (EGYPT)**	**4. Dr. HEWAYDA FAWZY SALEH EL-SEDAWY (EGYPT)**
(72)	**1. Prof. Dr. OSSAMA MOHAMED EL-TAYEB Dr. AISHA A. EL-AZIZ SALAMA** **2. Dr. MANAL M. MAHER AHMED** **3. HUSSEIN**	**4. Dr. HEWAYDA FAWZY SALEH EL-SEDAWY**
(73)	**1.** **2.**	
(30)	**1.** **2.** **3.**	
(74)	**MANAL MOHAMED MAHER AHMED HUSSEIN**	
(12)	**Patent**	

(54) PROCESS FOR PRODUCTION OF RIFAMYCIN B BY AN IMPROVED BACTERIAL STRAIN

Patent Period Started in 03/12/2003 and Ends in 02/12/2023

(57) In this patent application we developed a method to produce a high yielding strain of Amycolatopsis mediterranei for industrial production of the antibiotic rifamycin B;a strain of the same species with specifes colonial morphology and microscopic characteristics; as well as a method for production of the antibiotic by that strain which produces a minimum of 18 g/l of rifamycin B in a pre-pilot fermentor.The method for development of the strain is gene amplification by growing specified colonies of the parent strain on successively increasing specified concentrations of chloramphenicolThe production process subject of the patent is a novel fed-batch process, which involves the addition of yeast extract after 2 days, the addition of soytone after 3 days and the addition of glucose syrup after 4 days of incubation to the fermentation medium which consist mainly of glucose syrup, soytone, NH_4NO_3 and sodium diethyl barbiturate, as active ingredients for production. The fermentation process is carried out under specified conditions in the fermentor with respect to temperature, agitation, air flow, dissolved oxygen, and pH profiles. The process results in a consistent and predictable yield of not less than 18 g/l rifamycin B within 10 days in the pre-pilot fermentor,using the inoculum of the strain subject of the patent described above.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/05/2003** **0420/2003** **December 2005** **22/03/2006** **23520**

(51)	**Int. Cl [7] C07C 51/00**
(71)	**1. E.I. DU PONT DE NEMOURS AND COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. KEITH WHISTON** **2. GRAHAN H. JONES** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 60/378,311 – 06/05/2002** **2.** **3.**
(74)	**HODA ANIS SERAG ELEDDIN**
(12)	**Patent**

(54) PROCESS OF THE PRODUCTION OF CARBOXYLIC ACIDS

Patent Period Started in 05/05/2003and Ends in 04/05/2023

(57) A process for the production of carboxylic acid as solvent, said process comprising :

i. forming a reaction medium comprising acetic acid, oxidation catalyst, precursor and oxidant;
ii. optionally recycling methyl acetates produced from the acetic acid as a by-product back to the reaction medium;
iii. introducing additional methyl acetate and / or methanol into the reaction medium, said additional methyl acetate and / or methanol being additional to any recovered methyl acetate recycled back to the reaction medium.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**22/07/2003** **0716/2003** **December 2005** **22/03/2006** **23521**

(51)	**Int. Cl [7] F25J 3/08, 3/06, 1/00,1/02 & C10L 3/10, 3/00 & C10G 5/06**
(71)	**1. CURTIN UNIVERSITY OF TECHNOLOGY (AUSTRALIA)** **2. CORE LABRATORIES AUSTRALIA PTY LTD (AUSTRALIA)** **3.**
(72)	**1. ROBERT AMIN** **2. ANTHONY F. KENNAIRD** **3.**
(73)	**1.** **2.**
(30)	**1. (AU) 2002950681 – 12/08/2002** **2.** **3.**
(74)	**HODA ANIS SERAG ELEDDIN**
(12)	**Patent**

(54) PROCESS AND APPARATUS FOR PRODUCTION OF LNG BY REMOVAL OF FREEZABLE SOLIDS

Patent Period Started in 22/07/2003 and Ends in 21/07/2023

(57) Novel processes and devices for the removal of freezable species such as carbon dioxide, water and heavy hydrocarbons from a natural gas feed stream during liquefaction to produce LNG are disclosed. The freezable species are able to be removed as a solid, avoiding the costly step of pre-treatment to remove the freezable species from the natural gas feed stream prior to the liquefaction stage. The freezable species may be removed on a continuous basis being separated as solids following liquefaction of the natural gas fed stream with subsequent separation of solids. The solid freezable species may then be liquefied on a continuous basis if required with natural gas recycled to the process. Continuous removal of the freezable species from the natural gas fed stream is achievable by maintaining cooling and separation apparatus at the same working pressure. Advantageously, at least part of the cooling vessel is constructed from a material having a low thermal conductivity which discourages formation of the solids of the freezable species on the walls of the cooling vessel.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**29/08/2004** **PCT/NA2004/000083** **December 2005** **22/03/2006** **23522**

(51)	**Int. Cl [7] E04B 2/72**
(71)	**1. PAUL BLAZEVIC (AUSTRALIA)** **2.** **3.**
(72)	**1. PAUL BLAZEVIC** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (AU) (PS 0840) – 01/03/2002** **2. (AU) (PCT/AU03/00245) – 28/02/2003** **3.**
(74)	**HODA ANIS SERAG ELEDDIN**
(12)	**Patent**

(54)	**BUILDING PANEL AND CONSTRUCTION METHOD**
	Patent Period Started in 29/08/2004 and Ends in 28/08/2024

(57) Building panel, with spaced apart walls forming cells and with apertures. There is skin that makes a projection that allows the overlapping of one panel with another panel.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**11/05/2004** **0214/2004** **December 2005** **23/03/2006** **23523**

(51)	**Int. Cl [7] C10G 49/02 & B01J 38/64**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. Prof. Dr. MOHAMED MOHAMED A. EL. MONEM** **2. Dr. ESLAM HAMDY A. MAKSOUD** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**A PROCESS FOR REGENERATION OF NICKEL CATALYST USED IN HYDROGENATION OF EDIBLE OILS**
	Patent Period Started in 11/05/2004 and Ends in 10/05/2024

(57) The process is related to regeneration of nickel catalyst used in hydrogenation of edible oils by the addition of alkali to the spent catalyst to convert the fats and oils to soap. The formed soap is separated and an acid is added to the solid followed by the addition of fat and heat to convert nickel to the active species. This process leads to regeneration without loss in the nickel content and the possibility for using the produced soap.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/12/2003** **1068/2003** **December 2005** **23/03/2006** **23524**

(51)	**Int. Cl [7] C09D 9/00 & C23F 1/20, 1/36**
(71)	**1. NATIONAL RESEARCH CENTER (EGYPT)** **2.** **3.**
(72)	**1. Prof. Dr. MOHAMED MOHAMED A. EL. MONEM** **2. Dr. NIVIN MOHAMED AHMED HUSSIEN** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**A PROCESS FOR THE PREPARATION OF DOPED ALUMINA WITH MOLYBDENUM AS ANTICORROSIVE PIGMENT**
	Patent Period Started in 08/12/2003 and Ends in 07/12/2023

(57) The invention presents a process for the preparation of doped alumina to be used as an anticorrosive pigment. The pigment is prepared by mixing compounds of aluminum and molybdenum with different composition at temperature between 500-1100^{0}C for a period of 2-8 hours. Physico-mechanical and corrosion tests were performed and the efficiencyof the mixture as anticorrosive pigment is conducted on the painted films after mixing with alkyd or alkyd-melamine resins. The result were comparable and surpass (exceed) films including the known commercial pigment.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**31/03/2004** **0147/2004** **December 2005** **29/03/2006** **23525**

(51)	**Int. Cl [7] C12N 15/10**
(71)	**1. MUBARAK CITY FOR SCIENTIFIC RESEARCH AND TECHNOLOGY APPLICATION (EGYPT)** **2.** **3.**
(72)	**1. DESOUKY AHMED MOHAMED ABD-EL- HALEEM** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) DNA EXTRACTION KIT FROM BACTERIA, FUNGI, WATERS AND WHOLE BLOOD

Patent Period Started in 31/03/2004 and Ends in 30/03/2024

(57) This invention offers a DNA extraction method and kit from bacteria, fungi, water and whole blood. The method performed in tow steps; firstly by using isolation solution we dissolve cell walls and proteins; secondly we precipitate the isolated DNA in pure form. This kit is mostly better than other commercial DNA extraction kits and that for its wide application (bacteria, fungi, waters and whole blood), easy to perform and it need only as maximum as two hours to complete all protocol and to obtain DNA. The isolated DNA then will ready for any genetic engineering or molecular biology applications.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EG	**(22)** **(21)** **(44)** **(45)** **(11)**	**19/04/2003** **0352/2003** **December 2005** **29/03/2006** **23526**

(51)	**Int. Cl [7] C21N 1/20**
(71)	**1. MUBARAK CITY FOR SCIENTIFIC RESEARCH AND TECHNOLOGY APPLICATION (EGYPT)** **2.** **3.**
(72)	**1. DESOUKY AHMED MOHAMED ABD-EL- HALEEM** **2. Dr. EL SAID EL. SAID HAFEZ** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**YASER REFAAT ABD EL FATAH**
(12)	**Patent**

(54) PRODUCION OF BIOPLASTIC FROM A NOVEL EGYPTIAN BACTERIAL STRAIN

Patent Period Started in 19/04/2003 and Ends in 18/04/2023

(57) This invention was conducted to find new bioplastic materials to be alternative of the photo-petrochemical synthetic plastics, which cause a lot of health and environmental problems due to their non-biodegradability. In the present invention we could to islate a new Egyptian bacterial strain has the ability to produce bioplastic materials. These materials have plastic properties very close to the synthetic plastics, in addition to they are completely biodegradable and biocompatible.

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

GRANTED PATENT'S ABSTRACTS

Egyptian Patent Office

Issue No 119 April 2006

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**13/07/2003** **0675/2003** **December2005** **04/04/2006** **23527**

(51)	**Int. Cl.[7] G09B 21/00**
(71)	**1. ALY FOUAD DESSOUKY ALY (EGYPT)** **2.** **3.**
(72)	**1. ALY FOUAD DESSOUKY ALY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**MOHAMED MOHAMED BAKIR**
(12)	**Utility model**

(54)	**MODERN METHOD FOR TEACHING BLIND AND WEAK SIGHTED**
	Patent Period Started in 13/07/2003 and Ends in 12/07/2010

(57) This title device deals with the very weak sighted and the blind in the skill of writing instead of braille's.

Of course we need sometimes to teach them how to transfer the symbols into letters.

This will be easy through my device, as I transferred the braille's alphabet into real ones

Through alphabets, learners can form words easily and them sentences through practice so , idesigned ashape of wood through which the beginning of the sheet, the line and the position on the line.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**28/10/2004** **PCT/NA 2004/000117** **November2005** **11/04/2006** **23528**

(51)	**Int. Cl.[7] F16L 15/06**	
(71)	**1. TENARIS CONNECTIONS AG (LIECHTENSTEIN)** **2.** **3.**	
(72)	**1. GABRIEL E. CARCAGNO** **2. GIUSEPPE DELLA PINA** **3. RITA G. TOSCANO**	**4. TOMMASO COPPOLA**
(73)	**1.** **2.**	
(30)	**1. (IT) (RM 2002A000234) – 30/04/2002 & PCT/EP 03/04459 – 29/04/2003** **2.** **3.**	
(74)	**MOHMOUD RAGAEI EL DEKEY**	
(12)	**Patent**	

(54)	**THREADED PIPE JOINT**
	Patent Period Started in 28/10/2004 and Ends in 27/10/2024

(57) Threaded joint for pipes consisting of a male member and a female member , which are provider on the outer and inner surfaces respectively with two threading portions presenting a lead- in flank such that an abutment surface being present at the end of the said male member for abutment to a corresponding annular abutment surface of the female member. The lead- in flanks of the male and the female members, upon make- up and with joint unloaded leave a gap (in the direction parallel to the axis of the joint) varying from 0.01 tdl 0.12 mm .

The internal and external diameters D3 and D4 (in the portion not involved in the coupling with the female member) of said male member, the inner and outer diameter D1 and D2 of the abutment surface of the female member) are linked by the relationship : $(D2^2 – D1^2) / (D4^2 – D3^2) > 0.5$

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/11/2003** **1021/2003** **October2006** **11/04/2006** **23529**

(51)	**Int. Cl.[7] G06F 13/00 & H04N 7/173**
(71)	**1. MOOSA E.AL AMRI (UNITED ARAB EMIRATES)** **2.** **3.**
(72)	**1. MOOSA E. AL AMRI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (AE) 217/2003 – 05/07/2003** **2.** **3.**
(74)	**YASSER FAROUK MOBARAK**
(12)	**Patent**

(54)	**SYSTEM AND METHOD TO BROADCAST THE VIDEO OR TV AND DISPLAYING ON PC OR TV BY CHOOSING THE REQUIRED PROGRAM FROM THE INTERNET**
	Patent Period Started in 05/11/2003 and Ends in 04/11/2023

(57) System to broadcast the video or TV through the main authorization server connedted with the internet to receive the required program through the internet, as the internet have a various sites such: News, Sports, Plays, Schools, business conferences, etc. from requested party ask to enter to the web through the main authorization server by entering IP address and / or the code of the TV cable, digital cable or the code of the receiving decoder's chip through satellite to processing server, transferred to the main video server, than to distribution server which having the required subject and transferred it to the ordered through TV cable or digital cable or receiver through satellite whether to the ordered PC having TV card to watch the program, or in TV device.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/03/2003** **0261/2003** **January2006** **17/04/2006** **23531**

(51)	**Int. Cl.[7] C07C 7/04 & F25J 3/00**
(71)	**1. HUSSEIN MOHAMED ISAMAIL MOSTAFA (EGYPT)** **2.** **3.**
(72)	**1. HUSSEIN MOHAMED ISAMAIL MOSTAFA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**NGL RECOVERY PROCESS**
	Patent Period Started in 18/03/2003 and Ends in 17/03/2023

(57) The submitted patent addresses a method and apparatus for the recovery of natural gas liquids (NGL) from natural and associated gas streams. According to this method, the expander shaft compressor is used to generate the liquid reflux required for the cryogenic absorber or de-methanizer or de-ethanizer or other tower (s) or combination of all. The expander shaft compressor can also be used in any location including closed loop refrigeration package. In case of presence of CO2 in the feed gas stream, this NGL recovery process avoids CO2 freezing in low temperature parts of the NGL recoveryprocess through injecting of hydrocarbon liquids in the low temperature points. The injeted hydrocarbon liquids are condensate (C5 plus) or butanes (C4'S) or mixture of both .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**03/07/2004** **0294/2004** **January2006** **17/04/2006** **23532**

(51)	**Int. Cl.[7] G02B 23/26**	
(71)	**1. SNECMA MOTEURS (FRANCE)** **2. SNECMA SERVICES (FRANCE)** **3.**	
(72)	**1. ISABELLE BONNINGUE** **2. JOHN LE QUELLEC** **3. JEAN - CLAUDE LEMOAL**	**4. MICHEL BACCELLA**
(73)	**1.** **2.**	
(30)	**1. (FR) 0308156 – 04/07/2003** **2.** **3.**	
(74)	**MAGDA SHEHATA HAROUN - NADIA SHEHATA HAROUN**	
(12)	**Patent**	

(54) APPARATUS FOR SEARCHING FOR AND DETECTING DEFECTS IN PARTS BY ENDOSCOPY

Patent Period Started in 03/07/2004 and Ends in 02/07/2024

(57) Apparatus for searching for and detecting defects on parts that are substantially inaccessible, being located behind a wall, the apparatus comprising a first endoscope for illumination in visible light and for observation, the first endoscope and pipes for feeding and spraying penetration test substances being housed together in a rod which can be passed through an orifice in the wall in order to examine a part, the apparatus comprising a second endoscope independent of the first endoscope and the rod for illuminating in ultraviolet light and for observing the portion of the part that has been treated by the penetration test substance.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**30/03/2004** **0145/2004** **January2006** **19/04/2006** **23533**

(51)	**Int. Cl.[7] A23B 4/10 & A21D 13/00 & A23G 3/00 & A23L 1/00**	
(71)	**1. KRAFT FOODS HOLDINGS, INC (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. LYNN HAYNES** **2. NING ZHOU** **3. LOUISE SLADE**	**4. HARRY LEVINE** **5. WENDY CHAN** **6.**
(73)	**1.** **2.**	
(30)	**1. (US) 10/404617 – 01/04/2003** **2.** **3.**	
(74)	**HODA AHMED ABDEL HADY**	
(12)	**Patent**	

(54) EDIBLE MOISTURE BARRIER FOR FOOD PRODUCTS

Patent Period Started in 30/03/2004 and Ends in 29/03/2024

(57) The present invention is directed to an edible, bakeable moisture barrier composition that is effective for reducing moisture migration between food components. The moisture barrier includes at least one crystalline carbohydrate, a highly crystalline fat and a crystalline food fiber.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**10/04/2002** **0375/2002** **January2006** **19/04/2006** **23534**

(51)	**Int. Cl.[7] A23C 19/09 & A23J 1/20 & A23L 1/0562**	
(71)	**1. NEW ZEALAND DAIRY BOARD (NEWZEALAND)** **2.** **3.**	
(72)	**1. STEPHEN T. DYBING** **2. GANUGAPATI V. BHASKAR** **3. FRANCIS P. DUNLOP**	**4. ANTHONY M. FAYERMAN** **5. MICHAEL J. WITTO**
(73)	**1.** **2.**	
(30)	**1. (NZ) 511095 – 12/04/2001** **2.** **3.**	
(74)	**HODA ANIS SERAG EDDEIN**	
(12)	**Patent**	

(54)	**DAIRY PRODUCT AND PROCESS**
	Patent Period Started in 10/04/2002 and Ends in 09/04/2022

(57) The method of the invention produces modified milk protein concentrates using cation exchange to replace divalent ions with monovalent ions. The modified milk protein concentrate produced may be converted into a gel which may be a cheese-like product itself, or used to make end products such as cheeses, cheese-like products, savoury products, desserts confectionary products and intermediate food products.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**23/02/2004** **0077/2004** **January2006** **19/04/2006** **23535**

(51)	**Int. Cl.[7] C08G 2/32 , 63/78 , 63/82**
(71)	**1. E.I. DU PONT DE NEMOURS AND COMPANY (UNITED STATES OD AMERICA)** **2.** **3.**
(72)	**1. FINBAR G. MCDONNELL** **2. CLIVE A. HAMILTON** **3. ALEXANDER S. COOTE**
(73)	**1.** **2.**
(30)	**1. (US) 60/449759 – 25/02/2003** **2.** **3.**
(74)	**HODA ANIS SERAG EDDEIN**
(12)	**Patent**

(54) PROCESS FOR THE MANUFACTURE OF POLYESTER VIA HYDROGENATION TREATMENT OF RECYCLDIO

Patent Period Started in 23/02/2004 and Ends in 22/02/2024

(57) An improved process for recycling unspent diol removed from a polyester manufacturing process wherein the diol is captured, hydrogenated, and recycled so that the final polyester product has improved color over polyesters produced using other recycled diols.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**27/01/2004** **0049/2004** **January2006** **19/04/2006** **23536**

(51)	**Int. Cl.[7] C07D 401/04**	
(71)	**1. E.I. DU PONT DE NEMOURS AND COMPANY (UNITED STATES OF AMERICA)** **2.** **3.**	
(72)	**1. KENNETH A, HUGHES** **2. GEORGE P. LAHM** **3. THOMAS P. SELBY**	**4. THOMAS M. STEVENSON**
(73)	**1.** **2.**	
(30)	**1. (US) 60/443256 – 28/01/2003** **2.** **3.**	
(74)	**HODA ANIS SERAG ELDDIN**	
(12)	**Patent**	

(54) PROCESS FOR PREPARING OF CYANO ANTHRANIL AMIDE INSECTICIDES

Patent Period Started in 27/01/2004 end in 26/01/2024

(57) This invention provides compounds of formula 1, N- oxides and suitable salts thereof

Wherein

R_1 , R_2 ,R_3 , R_4 , R_5 , R_6 and R_7 as per enclosed specification.

Also disclosed are methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biologically effective amount of a compoind of formula 1,an N- oxides thereof or a suitable salt of the compound (e.g.,as a compositin described herein) . This invention also pertains to a composition for controlling an invertebrate pest comprising a biologically effective amount of a compound of formula 1 an N- oxides thereof or a suitable salt of the compound and at least one additional component selected from the group consisting of a surfactant, a solid diluent and a liquid diluent.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**18/11/2000** **1435/2000** **January2006** **20/04/2006** **23537**

(51)	**Int. Cl.[7] C07C 31/22, 63/14,69/80 & C08G 63/1**
(71)	**1. ABD EL FATTAH ABD EL – LATTIF MOHAMED (EGYPT)** **2.** **3.**
(72)	**1. ABD EL FATTAH ABD EL – LATTIF MOHAMED** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**PREPARATION OF GLYCERYL MONO (OLEAT, LINOLEATE, LINOLINEATE, STEARATE , PALMITATE AND PREPARATION OF POLYESTER BY ESTERIFICATION OF GLYCERYL MONO OLEATE, LINOLEATE, LINOLINEATE, STEARATE, PALMITATE WITH PHTHALIC ANHYDRIDE).**
	Patent Period Started in 18/11/2000 and Ends in 17/11/2020

(57) Preparation of glyceryl mono (oleat, linoleate, linolineate, stearate , Palmitate by its ratio in vegetable oil) by:

A) Halogenation of glycerol : by reaction of one mole glycerol + one mole HC1 1 mole α , β mono chlorohydrin (3 chloro 1,2 propanediol) .

B) Saponification 1/3 mole of vegetable oil (esterglycery1 tri fatty acid)+ NaOH

c) Mix solution of 1 mole monochlorohydrin + 1 mole of sodium salt of fatty acid to produce 1 mole of glyceryl mono (oleate, linoleate, linolinate, strearate, plamitate + 1 mole NaC1

D) The reaction between glyceryl mono fatty acid + phthalic anhydride with many ratio with mixing and heating to limits to be there esterification and produce polyester.

Glyceryl 1,3 phthalate 2 (oleate, linoleate, linolinate , stearate, palamitate and this polyester is named resin Alkyd (dry by air or heat) owing to the ratio between the weight of polyester and the fatty acid.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**08/05/2004** **PCT/NA2004/000022** **January 2002** **26/04/2006** **23538**

(51)	**Int. Cl.[7] C10L 1/10**
(71)	**1. ROBERT W. CARROLL (UNITED STATES OF AMERICA)** **2. NOEL CARROLL (UNITED KINGDOM)** **3. WILLIAM F. CARROLL (UNITED STATES OF AMERICA)** **4. MICHAEL CARROLL (UNITED STATES OF AMERICA)**
(72)	**1. ROBERT W. CARROLL** **2. NOEL CARROLL** **3. WILLIAM F. CARROLL** **4. MICHAEL CARROLL**
(73)	**1.** **2.**
(30)	**1. (GB) 0126990,1 – 09/11/2001** **2. (PCT/AU 02/01519) – 08/11/2002** **3.**
(74)	**HODA ANIS SERAG EDDIN**
(12)	**Patent**

(54) METHOD AND COMPOSITION FOR IMPROVING FUEL COMBUSTION

Patent Period Started in 08/05/2004 and ends in 07/05/2024

(57) A method of improving the combustion of a fuel by adding a catalyst or combustion enhancer at an extremely low concentration, preferably in the range of 1 part catalyst per 200 million parts fuel to 1 part catalyst per 6 trillion parts fuel . The catalyst or combustion enhancer may be selected from a wide range of soluble compounds. The method may comprise the steps of an initial mixing of the catalyst or enhancer with a suitable solvent and then subsequent dilution steps using solvents or fuel . Suitable solvents include water, MTBE, methylketone, methyisobutylketone, butanol, isopropyl alcohol and other hydrophilic/oleophilic compounds.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**09/03/2004** **0104/2004** **January 2006** **26/04/2006** **23539**

(51)	**Int. Cl.[7] C10H 1/00**
(71)	**1. CATALYTIC DISTILATION TECHNOLOGIES (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. ABRAHAM P. GELBEIN** **2. LAWRENCE A. SMITH** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 10/385.677 – 12/.3/2003** **2.** **3.**
(74)	**NAZEEH AKNOUKH SADEK**
(12)	**Patent**

(54)	**SELECTIVE HYDROGENATION OF ACETYLENES AND DIENES IN A HYDROCARBON STREAM**
	Patent Period Started in 09/03/2004 and Ends in08/03/2024

(57) Acetylenes and dienes in a stream containing hydrogen, methane, C_2-C_6 olefins and prarffind, C_2-C_6 acetylenes and dienes, benzene, toluene, xylenes, and other C6+ components are hydrogenated in a downflow boiling point reactor wherein the heat of reaction is absorbed by the liquid in the reactor which produce a vapor besides the feed to the reactor there is a recirculating stream which is fed at a rate sufficient to ensure that the catalyst particles within the reactor are wetted. A third stream, which is taken from a downstream distillation column, is fed to provide the make up mass corresponding to the mass evaporated in the reactor. The composition of the this third stream controls the steady state composition of the liquid flowing thrpugh the reactor.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**04/09/2004** **PCT/NA2004/000084** **January 2002** **26/04/2006** **23540**

(51)	**Int. Cl.[7] C07C 2/64**		
(71)	**1. SASOL NORTH AMERICA INC (UNITED STATES OF AMERICA)** **2.** **3.**		
(72)	**1. J. BARRY WINDER** **2. DONALD L. WHARRY** **3. JOHN R. SCHELL**	**4. MARY J. BROWN** **5. JOY L. MURRAY** **6. RICHARD C. HOWE**	**7. WAYNEL L. SORENSON** **8. DANIEL P. SZURA** **9.**
(73)	**1.** **2.**		
(30)	**1. (US) 10/091199 – 05/03/2002 & (PCT/US 03/01437) –16/01/2003** **2.** **3.**		
(74)	**NAZEEH AKNOUK SADEK**		
(12)	**Patent**		

(54) A REACTIVE DISTILLATION PROCESS FOR THE ALKYLATION OF AROMATIC HYDROCARBONS

Patent Period Started in 04/09/2003 and Ends in 03/09/2024

(57) . The unified process for reactive distillation under pressure for the alkylation of light aromatic hydrocarbons such as benzene and cumene with straight chain C_6-C_1g olefind using a solid acid alkylation catalyst supported in the reflux zone of the distillation column . The process is continuous, using a reactive distillation configuration such that at least a portion of the olefin is injected below the benzene rectification zone at the top of the column. The aromatic hydrocarbon is injected continuously at a low rate above the rectification zone at the base of the column and above the reboiler. The alkylation reaction takes place primarily in the liquid phase on the solid acid catalys and is characterized in that the molar ratio is adjustable up to about 100/1, through adjustment of the internal column operating pressure, the benzene reflux rate, the amount of benzene removed from the reflux condenser to storage or from the reboiler with the distillation column operated at or near total aromatic hydrocarbon reflux. The unexpectedly high liquid phase aromatic hydrocarbon to olefin molar ratios achieved in the reactive distillation column increases the selectivity to mono-alkylated aromatics and helps stabilize catalyst lifetime.

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

GRANTED PATENT'S ABSTRACTS

Egyptian Patent Office

Issue No 121 June 2006

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**15/03/2004** **0117/2004** **February2006** **05/06/2006** **23555**

(51)	**Int. Cl.[7] A01G 3/00**
(71)	**1. FAROUK M.A. MOSTAFA (EGYPT)** **2.** **3.**
(72)	**1. FAROUK M.A. MOSTAFA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**DIGITAL GIRDLING KINIFE[**
	Patent Period Started in 15/03/2004 and Ends in 14/03/2024

(57) A typical model of Digital Girdling Knife:

It is a simple tool which is used to make girdling of trees. It is mainly consists of two parts that could be described as fellow :

1- Constant part : contains the upper par knives on the side nails, as well as a sharp knife at the front part.
2- Moving part: contains the digital mentor at its front part. Thereafteer, handle
To use the knife.

There are three nails: the first one to choose the reading (in cm or inch) , the second nail to start the reading , and the nail to fasten the tool .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**20/04/2004** **0177/2004** **February2006** **05/06/2006** **23556**

(51)	**Int. Cl.[7] G01L 5/04**
(71)	**1. FAROUK MOHAMED AHMED MOSTAFA (EGYPT)** **2.** **3.**
(72)	**1. FAROUK MOHAMED AHMED MOSTAFA** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**FOCAL POINT INDUSTRIAL PROPERTY PRESENTED BY FAROUK MOHAMED AHMED**
(12)	**Patent**

(54)	**WIRE PULL INSTRUMENT**
	Patent Period Started in 20/04/2004 and Ends in 19/04/2024

(57) Wire Pull Instrument is a simple machine for pulling a wire during fruit traininng system in wires. It is easy to carry and work manually . Moreover, it could be electric to work automatic. The handle is at the machine's top Inside the main body of the instrument is a pulley rounds between two spur wheel boxes. The are two arms at the its's tail to fasten it duiring the usage. It has a box cotains its all parts as well as the motor.

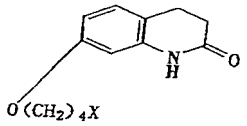
Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/01/2004** **0004/2004** **December2005** **05/06/2006** **23557**

(51)	**Int. Cl.[7] C07D 215/22 & A61K 31/4704**
(71)	**1. OTSUKA PHARMACEUTICAL CO LTD (JAPAN)** **2.** **3.**
(72)	**1. HISAYUKI TSUJIMORI** **2. TATSUYA YAMAGUCHI** **3.**
(73)	**1.** **2.**
(30)	**1. (JP) 002996 – 09/01/2003** **2.** **3.**
(74)	**Mohamed Mohamed Bakir**
(12)	**Patent**

(54) PROCESS FOR PREPARING ARIPIPRAZOLE

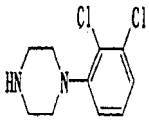
Patent Period Started in 05/01/2004 and Ends in 04/01/2024

(57) The present invention provides a process for preparing aripiprazole in a high prity and a high yield. According to the proceas of the present invention, aripiprazole is prepared by the reaction of a carbostyril compound represented by general formula (2):



Wherein x is halogen atom. Lower alkanesulfonyoxy group, arylsulfonyloxy group or an aralkylsulfonylexy group , with a piperazine compound

represented by formula :



And /or a salt thereof in water, in the presence of 0.5 to 10 mol of an inorganic basic compound, per mol of the carbostyril compound (2)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/12/2003** **1091/2003** **December2005** **05/06/2006** **23558**

(51)	**Int. Cl.[7] B22D 1/00 & C21C 5/52**
(71)	**1. REFRACTORY INTELLECTUAL PROPERTY GMBH & CO KG (AUSTRIA)** **2.** **3.**
(72)	**1. JOHANNES TAFERNER** **2. ALFRED WILPERNIG** **3. ROMANO MAION**
(73)	**1.** **2.**
(30)	**1. (DE) 10259434,1 – 19/12/2002** **2.** **3.**
(74)	**MOHAMED MOHAMED BAKIR**
(12)	**Patent**

(54) GAS PURGING DEVICE FOR METALLURGICAL MELTING VESSEL

Patent Period Started in 17/12/2003 and Ends in 16/12/2023

(57) The invention relates to a gas purging device for metallurgical melting vessels with the following structure

- a purging brick is arranged at its gas- outlet end in an upper cylindrical receptacle and in its portion adjoining the latter in a lower cylindrical receptacle ,
- at least between the lower receptacle and the purging brick there is an annular space which is filled with a compound, whereby
- purging brick, receptacles and compound are made from a refractory ceramic 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)**	**20/03/2000** **0335/2000** **January2006** **05/06/2006** **23560**

(51)	**Int. Cl.[7] B29C 3/00 & B29G 1/00 & B30B 13/00**
(71)	**1. MOHAMED YOUSSEF GAAFER (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED YOUSSEF GAAFER** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**IMPROVEMENTS IN THE PROCESS OF MANUFACTURING PLASTIC PRODUCTS OF MORE THAN ONE LAYER WHICH ARE PRODUCED BY ROTATIONAL MOLDING**
	Patent Period Started in 20/03/2000 and Ends in 19/03/2020

(57) This invention relates to a new system in the process of manufacturing plastic product of two layers or more by rotational molding method.
This system is characterized in that the mold contains inside isolated room filled with the right quantity of raw plastic required for the second layer; whereas the mold itself is packad with the plastic required for the first layer.
The control of the system is done automatic at the proper time for producing the two layers and consolidating both layers together.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**06/03/2004** **0097/2004** **February2006** **07/06/2006** **23561**

(51)	**Int. Cl.[7] G01R 21/06**
(71)	**1. EMH ELEKTRIZITATSZAHLER GMBH & CO KG (GERMANY)** **2.** **3.**
(72)	**1. NORBERT MALEK** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (DE) 10311441/06 – 15/03/2003** **2.** **3.**
(74)	**ABU SETTA & CO FOR ADMINISTRATIVE AND CONSULTATIVE SERVICES PRESENTED BY: ASHRAF IBRAHIM ABDEL NABY**
(12)	**Patent**

(54)	**ELECTRONIC ELECTRICITY METER**
	Patent Period Started in 06/03/2004 and Ends in 05/03/2024

(57) Electronic electricity meter, particulary household kilowatt- hour meter, with one single current transformer for each phase, which has one primary and one secondary winding, respectively, as well as one core, and with an electronic measuring module, wherein a compensation winding, connected in series with a load resistor, is applied to the respective core of the respective current transformer, said compensation winding being operated via one controller, respectively, connected with the secondary winding, such that the magnetic flux in the core is approximately zero, the core of the respective current transformer being dimensioned such that the core is not driven into saturation upon a dc portion in the primary current, and the voltage across the respective load resistor is input into the measuring module for the determination of the current.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**25/05/2004** **PCT/NA 2004/000032** **March 2006** **14/06/2006** **23562**

(51)	**Int. Cl.[7] A01N 37/46**
(71)	**1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND)** **2.** **3.**
(72)	**1. BIRGIT FORSTER** **2.** **3.**
(73)	**1.** **2.**
(30)	**1. (GB)0128389 – 25/11/2001** **2. (SE) PCT/IB 5184/02- 25/11/2002** **3.**
(74)	**SOHEIR MIKAEIL RISK**
(12)	**Patent**

(54)	**SEED TREATMENT COMPOSITIONS**
	Patent Period Started in 25/05/2004 and Ends in 24/05/2024

(57) An agrochemical composition for the treatment of plant propagation material, comprising at least two active ingredient components together with a suitable carrier, wherein component I is I) metalaxyl (-methoxyacetyl)-N-(2,6-xylyl)-DL-alaninate) or metalaxyl – M(=methyl N- (methoxyacetyl) – N- (2,6-xylyl)-D-alaninate) and wherein component II is IIA) azoxystrobin (=methyl(E) –2-{2-[6-(2- cyanoxhenoxy) pyrimidin –4- xyloxy]phenyl}-3-Methoxyacrylate)or IIB) picoxymethyl) phenyl] acrylate) or IIC) kresoxim- methyl (= methyl(E) – methoxyimino [2-(tolyloxymethyl) phenyl] acetate.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/05/2000** **0645/2000** **March2006** **18/06/2006** **23563**

(51)	**Int. Cl.[7] A63B 23/18**
(71)	**1. HUSSEIN ZAKI METIWALY (EGYPT)** **2.** **3.**
(72)	**1. HUSSEIN ZAKI METIWALY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**A SPORTAL MACHINE WORKING 2000 PRACTICE SPORT**
	Patent Period Started in 17/05/2000 and Ends in 16/05/2020

(57) A sportal machine working by the hidrolic system for all ages – and all lenghts. With various degrees of strenght fot beginners. It has practice sport (football – handball – swimming – boxing – tines – waterball – karate – basketball – squash – pale ground – pale water – gladiator sporting – folyball – kongfoo) and working in for every organ and coming back from casualties playground and bracts attic raising fithness bodily and can be bracts raise this the machine more from six people on one time practices different.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**05/06/2004** **0251/2004** **March2006** **19/06/2006** **23564**

(51)	**Int. Cl.[7] F16L 9/12**		
(71)	**1. SUMITOMO METAL INDUSTRIES LTD (JAPAN)** **2. VALLOUREC MANNESMANN OIL & GAS FRANCE (FRANCE)** **3.**		
(72)	**1. MASAAKI SUGINO** **2. MIYAKI YU+MANOTO** **3. MICHIHIKO IWAMOTO**	**4. SHIGEO NAGASAKU** **5. PIERRE DURILLEUL** **6. GABRIEL ROUSSIE**	**7. ERIC VERGER**
(73)	**1.** **2.**		
(30)	**1. (JP) 2003-162699 – 23/7/2003** **2.** **3.**		
(74)	**ABU SETTA & CO FOR ADMINISTRATIVE AND CONSULTATIVE SERVICES PRESENTED BY: ASHRAF IBRAHIM ABDEL NABY**		
(12)	**Patent**		

(54)	**THREADED JOINT FOR STEEL PIPES**
	Patent Period Started in 05/06/2004 and Ends in 04/06/2024

(57) A threaded joint for steel pipes comprises a pin and a box has male thread , a sealing surface , and a shoulder surface located on the end face of the pin . Correspondingly, the box has female thread, a sealing Surface , and a shoulder suface which can mate or contact with the Corresponding portions of the pin . The sealing surface of the pin is Provided at an end face of the pin the seealing surface of the pin is located On a pipe end side near the male thread , A nose portion is provided on the pin between the sealing surface and the shoulder surface, the Nose portion being not in contact with a corresponding portion of the box .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/05/2004** **0218/2004** **March2006** **25/06/2006** **23565**

(51)	**Int. Cl.[7] B05D 3/02, 7/22 & F16L 9/147**
(71)	**1. USUI KOKUSAI SANGYO KAISHA LIMITED (JAPAN)** **2.** **3.**
(72)	**1. KEIZOU SUGAO** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**HODA ANIS SERAG ELDIN**
(12)	**Patent**

(54)	**A MULTILAYER - WOUND STELL PIPE AND APPARATUS THEREFOR**
	Patent Period Started in 12/05/2004 and Ends 11/05/2024

(57) To realize a production line in a compact size by quickly cooling a multilayer- wound steel pipe and to improve the quality of melt adhesion between the brazed walls of the layers. In producing the multilayer – wound steel pipe by the direct current – flowing heating system , the multilayer – wound steel pipe heated at higher than a melting point of a brazing material is quickly cooled during and after passage through the final current – conducting roll by the final current- conducting roll by the final current-conducting roll that is cooled by cooling water or by using cooling water at the inlet of the cooling zone. Thus, the multilayer- wound steel pipe is quickly cooled , enabling the length of the cooling zone to be greatly shortened, and realizing , in a compact size a production line for the multilayer – wound steel 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)**	**31/03/2003** **0305/2003** **March2006** **25/06/2006** **23566**

(51)	**Int. Cl.[7] A24B 15/10**
(71)	**1. PHILIP MORRIS PRODUCTS INC (UNITED STATES OF AMERICA)** **2.** **3.**
(72)	**1. MOHAMMAD HAJALIGOL** **2. PING LI** **3.**
(73)	**1.** **2.**
(30)	**1. (US) 10/117220 – 08/04/2002** **2.** **3.**
(74)	**HODA ANIS SERAG ELDIN**
(12)	**Patent**

(54) USE OF OXYHDROXIDE COMPOUNDS FOR REDUCING CARBON MONOXIDE IN THE MAIN STREAM SMOKE OF A CIGARETTE

Patent Period Started in 31/03/2003 and Ends in 30/03/2023

(57) Cut filler compositioins, cigarettes, methods for making cigarrettes and methods for smoking cigarettes are provided, which involve the use of an oxyhydroxide compound that is capable of decomposing to form at least one product capable of acting as an oxidant for the conversion of carbon monoxide to carbon dioxide and / or as a catalyst for the conversion of carbon monoxide to carbon dioxide. The oxyhydroxide compound and/or product formed from the decomposition of the oxyhydroxide can be in the form of nanoparticles. Cut filler compositions are desribed which compromise tobacco and at least one such oxyhydroxide compound. Cigaretees are provided, which comprise a tobacco rod, containing a cut filler having atleast one such oxyhydroxide compound. Methods for making a cigarette are provided, which involve adding at least one such oxyhydroxide compound to a cut filler; providing the cut filler comprising the oxyhydroxide compound to a cigarette making machine to from a tobacco rod; and placing a paper wrapper around the tobacco rod to form the cigarette. Mwthods of smoking the cigarette, as described above, are also provided, which involve lighting the cigarette to form smoke and inhaling the smoke, wherein during the smoking of the cigarette, the oxyhydroxide compound decomposes during smoking to form a compound that acts as an oxidant for the conversion of carbon monoxide to carbon dioxide and/or as a catalyst for the conversion oif carbon monoxide to carbon dioxide.

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

GRANTED PATENT'S ABSTRACTS

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Preface

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

Emerging from the responsibility of the Academy of Scientific Research and Technology towards strengthening the pillars of science and technology , I have the pleasure to introduce the June 2006 issue of the periodical "Patent Abstract" which includes bibliographical data and abstracts of patents issued during May 2006 . This periodical is directed to all those interested in the vital field of Intellectual property which encompasses patents, innovations and creative works .

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

Eng. Nadia I. Abd-allah

President,
Egyptian Patent Office

Bibliographic data

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Patent Kind	12
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Priority Country	33
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International Patent Class	51
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Applicant Name	71
Inventor Name	72
Patentee Name	73
Patent Attorney Name	74

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

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KR	Republic of Korea (S)
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TN	Tunisia
TR	Turkey
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
(June 2006)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	15/03/2004 0117/2004 February2006 05/06/2006 23555

(51)	Int. Cl.[7] A01G 3/00
(71)	1. FAROUK M.A. MOSTAFA (EGYPT) 2. 3.
(72)	1. FAROUK M.A. MOSTAFA 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

(54) DIGITAL GIRDLING KINIFE[

Patent Period Started in 15/03/2004 and Ends in 14/03/2024

(57) A typical model of Digital Girdling Knife:

It is a simple tool which is used to make girdling of trees. It is mainly consists of two parts that could be described as fellow :

1- Constant part : contains the upper par knives on the side nails, as well as a sharp knife at the front part.
2- Moving part: contains the digital mentor at its front part. Thereafteer, handle
To use the knife.

There are three nails: the first one to choose the reading (in cm or inch) , the second nail to start the reading , and the nail to fasten the tool .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	20/04/2004 0177/2004 February2006 05/06/2006 23556

(51)	Int. Cl.[7] G01L 5/04
(71)	1. FAROUK MOHAMED AHMED MOSTAFA (EGYPT) 2. 3.
(72)	1. FAROUK MOHAMED AHMED MOSTAFA 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	FOCAL POINT INDUSTRIAL PROPERTY PRESENTED BY FAROUK MOHAMED AHMED
(12)	Patent

(54)	**WIRE PULL INSTRUMENT**
	Patent Period Started in 20/04/2004 and Ends in 19/04/2024

(57) Wire Pull Instrument is a simple machine for pulling a wire during fruit traininng system in wires. It is easy to carry and work manually . Moreover, it could be electric to work automatic. The handle is at the machine's top Inside the main body of the instrument is a pulley rounds between two spur wheel boxes. The are two arms at the its's tail to fasten it duiring the usage. It has a box cotains its all parts as well as the motor.

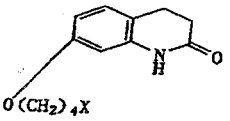
Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Technology Development & Scientific Services Sector Egyptian Patent Office	EGYPT	(22) (21) (44) (45) (11)	05/01/2004 0004/2004 December2005 05/06/2006 23557

(51)	Int. Cl.[7] C07D 215/22 & A61K 31/4704
(71)	1. OTSUKA PHARMACEUTICAL CO LTD (JAPAN) 2. 3.
(72)	1. HISAYUKI TSUJIMORI 2. TATSUYA YAMAGUCHI 3.
(73)	1. 2.
(30)	1. (JP) 002996 – 09/01/2003 2. 3.
(74)	Mohamed Mohamed Bakir
(12)	Patent

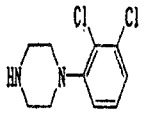
(54) PROCESS FOR PREPARING ARIPIPRAZOLE

Patent Period Started in 05/01/2004 and Ends in 04/01/2024

(57) The present invention provides a process for preparing aripiprazole in a high prity and a high yield. According to the proceas of the present invention, aripiprazole is prepared by the reaction of a carbostyril compound represented by general formula (2):



Wherein x is halogen atom. Lower alkanesulfonyoxy group, arylsulfonyloxy group or an aralkylsulfonylexy group , with a piperazine compound



represented by formula :

And /or a salt thereof in water, in the presence of 0.5 to 10 mol of an inorganic basic compound, per mol of the carbostyril compound (2)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**17/12/2003** **1091/2003** **December2005** **05/06/2006** **23558**

(51)	**Int. Cl.[7] B22D 1/00 & C21C 5/52**
(71)	**1. REFRACTORY INTELLECTUAL PROPERTY GMBH & CO KG (AUSTRIA)** **2.** **3.**
(72)	**1. JOHANNES TAFERNER** **2. ALFRED WILPERNIG** **3. ROMANO MAION**
(73)	**1.** **2.**
(30)	**1. (DE) 10259434,1 – 19/12/2002** **2.** **3.**
(74)	**MOHAMED MOHAMED BAKIR**
(12)	**Patent**

(54)	**GAS PURGING DEVICE FOR METALLURGICAL MELTING VESSEL**
	Patent Period Started in 17/12/2003 and Ends in 16/12/2023

(57) The invention relates to a gas purging device for metallurgical melting vessels with the following structure

- a purging brick is arranged at its gas- outlet end in an upper cylindrical receptacle and in its portion adjoining the latter in a lower cylindrical receptacle ,
- at least between the lower receptacle and the purging brick there is an annular space which is filled with a compound, whereby
- purging brick, receptacles and compound are made from a refractory ceramic 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)**	**20/03/2000** **0335/2000** **January2006** **05/06/2006** **23560**

(51)	**Int. Cl.[7] B29C 3/00 & B29G 1/00 & B30B 13/00**
(71)	**1. MOHAMED YOUSSEF GAAFER (EGYPT)** **2.** **3.**
(72)	**1. MOHAMED YOUSSEF GAAFER** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**IMPROVEMENTS IN THE PROCESS OF MANUFACTURING PLASTIC PRODUCTS OF MORE THAN ONE LAYER WHICH ARE PRODUCED BY ROTATIONAL MOLDING**
	Patent Period Started in 20/03/2000 and Ends in 19/03/2020

(57) This invention relates to a new system in the process of manufacturing plastic product of two layers or more by rotational molding method.
This system is characterized in that the mold contains inside isolated room filled with the right quantity of raw plastic required for the second layer; whereas the mold itself is packad with the plastic required for the first layer. The control of the system is done automatic at the proper time for producing the two layers and consolidating both layers together.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	06/03/2004 0097/2004 February2006 07/06/2006 23561

(51)	Int. Cl.[7] G01R 21/06
(71)	1. EMH ELEKTRIZITATSZAHLER GMBH & CO KG (GERMANY) 2. 3.
(72)	1. NORBERT MALEK 2. 3.
(73)	1. 2.
(30)	1. (DE) 10311441/06 – 15/03/2003 2. 3.
(74)	ABU SETTA & CO FOR ADMINISTRATIVE AND CONSULTATIVE SERVICES PRESENTED BY: ASHRAF IBRAHIM ABDEL NABY
(12)	Patent

(54) ELECTRONIC ELECTRICITY METER

Patent Period Started in 06/03/2004 and Ends in 05/03/2024

(57) Electronic electricity meter, particulary household kilowatt- hour meter, with one single current transformer for each phase, which has one primary and one secondary winding, respectively, as well as one core, and with an electronic measuring module, wherein a compensation winding, connected in series with a load resistor, is applied to the respective core of the respective current transformer, said compensation winding being operated via one controller, respectively, connected with the secondary winding, such that the magnetic flux in the core is approximately zero, the core of the respective current transformer being dimensioned such that the core is not driven into saturation upon a dc portion in the primary current, and the voltage across the respective load resistor is input into the measuring module for the determination of the current.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	**25/05/2004** **PCT/NA 2004/000032** **March 2006** **14/06/2006** **23562**

(51)	Int. Cl.[7] A01N 37/46
(71)	1. SYNGENTA PARTICIPATIONS AG (SWITZERLAND) 2. 3.
(72)	1. BIRGIT FORSTER 2. 3.
(73)	1. 2.
(30)	1. (GB)0128389 – 27/11/2001 2. (SE) PCT/IB 5184/02- 25/11/2002 3.
(74)	SOHEIR MIKAEIL RISK
(12)	Patent

(54)	**SEED TREATMENT COMPOSITIONS**
	Patent Period Started in 25/05/2004 and Ends in 24/05/2024

(57) An agrochemical composition for the treatment of plant propagation material, comprising at least two active ingredient components together with a suitable carrier, wherein component I is I) metalaxyl (-methoxyacetyl)-N-(2,6-xylyl)-DL-alaninate) or metalaxyl – M(=methyl N- (methoxyacetyl) – N- (2,6-xylyl)-D-alaninate) and wherein component II is IIA) azoxystrobin (=methyl(E) –2-{2-[6-(2- cyanoxhenoxy) pyrimidin –4- xyloxy]phenyl}-3-Methoxyacrylate)or IIB) picoxymethyl) phenyl] acrylate) or IIC) kresoxim- methyl (= methyl(E) – methoxyimino [2-(tolyloxymethyl) phenyl] acetate.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	17/05/2000 0645/2000 March2006 18/06/2006 23563

(51)	Int. Cl.[7] A63B 23/18
(71)	1. HUSSEIN ZAKI METIWALY (EGYPT) 2. 3.
(72)	1. HUSSEIN ZAKI METIWALY 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

(54)	A SPORTAL MACHINE WORKING 2000 PRACTICE SPORT
	Patent Period Started in 17/05/2000 and Ends in 16/05/2020

(57) A sportal machine working by the hidrolic system for all ages – and all lenghts. With various degrees of strenght fot beginners. It has practice sport (football – handball – swimming – boxing – tines – waterball – karate – basketball – squash – pale ground – pale water – gladiator sporting – folyball – kongfoo) and working in for every organ and coming back from casualties playground and bracts attic raising fithness bodily and can be bracts raise this the machine more from six people on one time practices different.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	05/06/2004 0251/2004 March2006 19/06/2006 23564

(51)	Int. Cl.[7] F16L 9/12		
(71)	1. SUMITOMO METAL INDUSTRIES LTD (JAPAN) 2. VALLOUREC MANNESMANN OIL & GAS FRANCE (FRANCE) 3.		
(72)	1. MASAAKI SUGINO 2. MIYAKI YU+MANOTO 3. MICHIHIKO IWAMOTO	4. SHIGEO NAGASAKU 5. PIERRE DURILLEUL 6. GABRIEL ROUSSIE	7. ERIC VERGER
(73)	1. 2.		
(30)	1. (JP) 2003-162699 – 23/7/2003 2. 3.		
(74)	ABU SETTA & CO FOR ADMINISTRATIVE AND CONSULTATIVE SERVICES PRESENTED BY: ASHRAF IBRAHIM ABDEL NABY		
(12)	Patent		

(54)	**THREADED JOINT FOR STEEL PIPES**
	Patent Period Started in 05/06/2004 and Ends in 04/06/2024

(57) A threaded joint for steel pipes comprises a pin and a box has male thread , a sealing surface , and a shoulder surface located on the end face of the pin . Correspondingly, the box has female thread, a sealing Surface , and a shoulder suface which can mate or contact with the Corresponding portions of the pin . The sealing surface of the pin is Provided at an end face of the pin the seealing surface of the pin is located On a pipe end side near the male thread , A nose portion is provided on the pin between the sealing surface and the shoulder surface, the Nose portion being not in contact with a corresponding portion of the box .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**12/05/2004** **0218/2004** **March2006** **25/06/2006** **23565**

(51)	**Int. Cl.[7] B05D 3/02, 7/22 & F16L 9/147**
(71)	**1. USUI KOKUSAI SANGYO KAISHA LIMITED (JAPAN)** **2.** **3.**
(72)	**1. KEIZOU SUGAO** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	**HODA ANIS SERAG ELDIN**
(12)	**Patent**

(54)	**A MULTILAYER - WOUND STELL PIPE AND APPARATUS THEREFOR**
	Patent Period Started in 12/05/2004 and Ends 11/05/2024

(57) To realize a production line in a compact size by quickly cooling a multilayer- wound steel pipe and to improve the quality of melt adhesion between the brazed walls of the layers. In producing the multilayer – wound steel pipe by the direct current – flowing heating system , the multilayer – wound steel pipe heated at higher than a melting point of a brazing material is quickly cooled during and after passage through the final current – conducting roll by the final current- conducting roll by the final current-conducting roll that is cooled by cooling water or by using cooling water at the inlet of the cooling zone. Thus, the multilayer- wound steel pipe is quickly cooled , enabling the length of the cooling zone to be greatly shortened, and realizing , in a compact size a production line for the multilayer – wound steel 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)	31/03/2003 0305/2003 March2006 25/06/2006 23566

(51)	Int. Cl.[7] A24B 15/10
(71)	1. PHILIP MORRIS PRODUCTS INC (UNITED STATES OF AMERICA) 2. 3.
(72)	1. MOHAMMAD HAJALIGOL 2. PING LI 3.
(73)	1. 2.
(30)	1. (US) 10/117220 – 08/04/2002 2. 3.
(74)	HODA ANIS SERAG ELDIN
(12)	Patent

(54)	**USE OF OXYHDROXIDE COMPOUNDS FOR REDUCING CARBON MONOXIDE IN THE MAIN STREAM SMOKE OF A CIGARETTE**
	Patent Period Started in 31/03/2003 and Ends in 30/03/2023

(57) Cut filler compositioins, cigarettes, methods for making cigarrettes and methods for smoking cigarettes are provided, which involve the use of an oxyhydroxide compound that is capable of decomposing to form at least one product capable of acting as an oxidant for the conversion of carbon monoxide to carbon dioxide and / or as a catalyst for the conversion of carbon monoxide to carbon dioxide. The oxyhydroxide compound and/or product formed from the decomposition of the oxyhydroxide can be in the form of nanoparticles. Cut filler compositions are desribed which compromise tobacco and at least one such oxyhydroxide compound. Cigaretees are provided, which comprise a tobacco rod, containing a cut filler having atleast one such oxyhydroxide compound. Methods for making a cigarette are provided, which involve adding at least one such oxyhydroxide compound to a cut filler; providing the cut filler comprising the oxyhydroxide compound to a cigarette making machine to from a tobacco rod; and placing a paper wrapper around the tobacco rod to form the cigarette. Mwthods of smoking the cigarette, as described above, are also provided, which involve lighting the cigarette to form smoke and inhaling the smoke, wherein during the smoking of the cigarette, the oxyhydroxide compound decomposes during smoking to form a compound that acts as an oxidant for the conversion of carbon monoxide to carbon dioxide and/or as a catalyst for the conversion oif carbon monoxide to carbon dioxide.

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

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Issue No 123

August 2006

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Preface

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

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

Eng. Nadia I. Abd-allah

President,
Egyptian Patent Office

Bibliographic data

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Applicant Name	71
Inventor Name	72
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Patent Attorney Name	74

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ZW	Zimbabwe
LA	Latfya

ABSTRACTS
FOR
GRANTED PATENTS
(JULY 2006)

Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Technology Development & Scientific Services Sector Egyptian Patent Office	EGYPT	(22) (21) (44) (45) (11)	16/10/1999 1999101289 February 2006 02/07/2006 23567

(51)	Int. Cl.[7] B43L 11/04
(71)	1. MAGDY ABD EL HALIM MAHMOUD (EGYPT) 2. 3.
(72)	1. MAGDY ABD EL HALIM MAHMOUD 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

(54)	COMPASS DRAWING ELIPCE
	Patent Period Started in 16/10/1999 and Ends in 15/10/2019

(57) The tool stand drawing elipce not the circular from drawing that axis as of in the paper and the fixate tooth in the center and secand tooth (motion) from one axis

The elipce frequentation motion from definition the diameter (longitude of diameter) .

The fixed firest hand from at (12 – nute)

and the cylinder motion is secand handel .

The circulate shaft in continuity of the cylinder motion .

The tenter spring in the cylinder . if of course which in contact the (figure elipce) and rise drawing elipce in order of size .

Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Technology Development & Scientific Services Sector Egyptian Patent Office	EGYPT	(22) (21) (44) (45) (11)	20/10/2001 2001101107 February 2006 02/07/2006 23568

(51)	Int. Cl.[7] C08F 279/02
(71)	1. TOYO ENGINEERING CORPORATION (JAPAN) 2. 3.
(72)	1. KOJI KAWANO 2. KENICHIRO MATSUBA 3.
(73)	1. 2.
(30)	1. (JP) 2000 – 323802- 24/10/2000 &-2001 - 006545– 15/10/2001 & 2001- 078513– 19/03/2001 2. 3.
(74)	YASSER FAROUK MOBARK
(12)	Patent

(54) OIL-RESISTANT RUBBER MODIFIED POLYSTYRENE COMPOSITION

Patent Period Started in 20/10/2001 and Ends in 19/10/2021

(57) An oil resistant rubber modified polystyrene composition comprises polybutadiene rubber particles having an average volume particle diameter of 6 to 13 μm dispersed in polystyrene . The oil resistant rubber modified polystyrene of the present invention has a gel content of 25 to 35% by weight, a degree of swetting of 13 to 22 a residual volatile content of 2000 ppm or less , and a total amount of dimer and trimer of 8000 ppm or less. The oil resistant rubber modified polystyrene composition may be prepared by polymerizing styrene in the presence of polybutadiene rubber, foaming a solution of the rubber modified polystyrene under a reduced pressure of 3 to 40 mm Hg, heating the solution in a tubular heater to a temperature of 190 to 230 C , and then flushing the heated solution into a gas- liquid separator to devolatilize an unreacted monomer and a solvent therefrom

Arab Republic of Egypt Ministry 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 2001121384 February 2006 02/07/2006 23569

(51)	Int. Cl.[7] A01M 1/20 & A01L 9/12 & A01N 25/18
(71)	1. FUMAKILLA LIMITED (JAPAN) 2. 3.
(72)	1. SATOSHI YAMASAKI 2. KAZUNORI YAMAMOTO 3.
(73)	1. 2.
(30)	1. (JP) 2001 / 20152– 29/01/2001 & 2001/20188 29/01/2001 & 2001 /20234– 29/01/2001 & 2. 2001/ 184588– 19/06/1999 3.
(74)	YASSER FAROUK MOBARAK
(12)	Patent

(54) A FAN TYPE CHEMICAL DIFFUSING APPARATUS

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

(57) A fan type chemical diffusing apparatus is disclosed which enables an apparatus main body , a chemical receptacle and a power supply housing to be made independent in volume from each other and which makes it possible to readily establish amount of retention of a chemical relative to a rate of airflow produced by a fan , and a length of time period for its service . Disclosed also is a chemical receptacle that prevents chemical impregnated carrier particles from being seized in a space between the end face of the receptacle main body and a lid body , as well as a clip type fastener by which the apparatus can be fastened firmly to an object regardless of its thickness .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	03/07/2000 2000070867 February 2006 05/07/2006 23570

(51)	Int. Cl.[7] C02F 1/14
(71)	1. HASSAN ALI HASSAN SALEM (EGYPT) 2. 3.
(72)	1. HASSAN ALI HASSAN SALEM 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

(54)	**EXTRACTING PURE, AND FRESH WATER BY SOLAR AND OTHER PHYSICAL PROPARITIES OF SEA - LEVEL LAYER**
	Patent Period Started in 03/07/2000 and Ends in 02/ 07/2020

(57)

- Large parabola moves continuously where axis has the same rays direction of sun rays .
- It reflect towards small parabola – same or different focus or a modified curved mirror then to sea – level. Vapour raises owing to heating concentration of rays . Sets suck vapours : (pressure lower and evaporation easier)
- Sets , too , press vapour to pipes under sea, vapour condenses to pure water by pressure, low temperature and curvation helping heating shaking and evaporating sea level .
- Air pushed inside small parabola or modified curved mirror to tubes and to about 10 – 20 cm under sea level for cooling small parabola or modified curved mirror, and helping heating shaking and evaporating sea level .
- At night, sucking sets working to suck air layer contacted with sea level and saturated with water particles by floating pipe. Condensing happens for the same reasons .

Arab Republic of Egypt **Ministry 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 2000121612 January 2006 05/07/2006 23571

(51)	Int. Cl.[7] A01N 43/34	
(71)	1. NATIONAL INSTITUTE FOR LEASER SCIENCE (EGYPT) 2. 3.	
(72)	1. PROF.DR.MAHMOUD HASHEM ABDEL KADER 2. PROF.DR. GOLIO JORI 3. DR. TAMER PN AMOR	4. DR. AL – SAYED ABDEL MAJUIED AL SHERBIN 5. DR. TAREK ABD ALLAH EL TAYEB
(73)	1. 2.	
(30)	1. 2. 3.	
(74)	DR. TAREK ABD ALLAH EL TAYEB	
(12)	Patent	

(54) USING ENVIRONMENTALY FRIENDLY AND SOLAR ACTIVATED COMPOUNDS FOR CONTROL MUSCA DOMESTICA

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

(57) In this work, we represent our results of the use of porphyrin derivatives as photoinsecticides. This class of compounds is environmentally friendly with a high photosensitizing activity towards biological systems. These compounds are already approved for medical use in the photodynamic therapy of tumors and other diseases. Photosensitizing dyes become effective only when they are activated by sunlight and they are characterized by a low environmental impact and a minimal risk for plant , animal and human ecosystems .

In our laboratory , we used one of the porphyrin derivatives as sunlight – activatable insecticides, for controlling one of the most common medical insect, Musca domestica. Exposure of porphyrin-fed flies to direct sunlight or light of solar simulator caused a decrease in the survival whose extent was modulated by hematoporphyrin concentrations, irradiation fluence rate and exposure time .

The results reveal that for 10 μmol/mL of porphyrin in the bait, 100% mortality was obtained after 2 hours exposure using fluence rate of 250 W/m^2 .

Also 1 μmol/mL was enough to kill about 50% of Musca poplutation in the same irradiance and one hours exposure to light . Fluorescene measurements of the photosensitizers concentration extracted from the insects body reflect the high efficiency of porphyrin accumolation .

Arab Republic of Egypt Ministry 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 2003060530 January 2006 09/07/2006 23572

(51)	Int. Cl.[7] A47K 11/10
(71)	1. MAXIMO GAVIRA S.A. (SPAIN) 2. 3.
(72)	1. MAXIMO GAVIRA MONTES 2. 3.
(73)	1. 2.
(30)	1. (ES) P200201283 – 05/06/2002 2. 3.
(74)	ABU SETTA & PARTENERS FOR ADMINISTRATIVE AND CONSULTANCY SERVICE PRESENTED BY ,MR. ASHRAF IBRAHIM ABDEL NABI
(12)	Patent

(54) A TOILET BRUSH WITH A DOSER FOR CLEANING PRODUCTS AND/OR DISINFECTANTS

Patent Period Started in 04/06/2003 and Ends in 03/06/2023

(57) A toilet brush is developed, the different designs for which constitute effective means for the cleaning and hygiene of the toilet bowl, with the application of a product contained inside part of the brush body, which the user can press. Said body is hollow, made of elastic material, and open at each end, with each opening protected by a cap, and from which the outlet opening is also closed, with a breakable membrane. An arm is provided for coupling by screwing its near stepped end onto the outlet opening from the body, breaking the membrane and connecting the interior of the body with an axial opening in the arm which runs along it through sections of different diameters and reaching a head section at the distal end, and containing groups of bristles for cleaning operations. The head may be angular, with an appendage allowing access to concealed and nonnally inaccessible positions .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	**11/11/2004** **PCT/NA 2004110124** **February 2006** **12/07/2006** **23573**

(51)	Int. Cl.[7] F16L 15/00	
(71)	1. TENARIS CONNECTIONS AG (ITALY) 2. 3.	
(72)	1. GABRIEL E. CARCAGNO 2. GIUSEPPE DELLA PINA 3. RITA G. TOSCANO	4. ANTONIO PODRINI
(73)	1. 2.	
(30)	1. 2. 3.	
(74)	MAHMOUD RAGAII EL DAKKI	
(12)	Patent	

(54) THREADED PIPE JOINT

Patent Period Started in 11/11/2004 and Ends in 10/11/2024

(57) Threaded joint for pipes consisting of a male member and a female member and provided with respective complementary sealing surface, which define , when screwed together, a notch formed on the female element of predetermined length and a space between the threads of predetermined section , forming reservoir to house the joint lubricant , which comes out of the volume between the threads of the female and male elements during the tightening of the joint .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	31/10/1999 1999101366 March 2006 16/07/2006 23574

(51)	Int. Cl.[7] E03F 5/02& E02D 29/12
(71)	1. SALAH SHABAN ABD EL MOTALEB (EGYPT) 2. 3.
(72)	1. SALAH SHABAN ABD EL MOTALEB 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

(54) TELESCOPIC MAN HOLE SYSTEM

Patent Period Started in 31/10/1999 and Ends in 30/10/2019

(57) The new system will lead to high efficiency of performance and saves money for other projects save time of adjustment 'reduces accedients, protects people and cars , saves fuel and spare parts, protects pipe lines and pump stations from abstcals which may cause damage to it and make traffice flow without problems . It consists of two main parts fixed cylinder movable cylinder which moves up and down fixed . In addition space rings and sliding space ring and finally cover .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	25/12/2004 2004120527 April 2006 26/07/2006 23575

(51)	Int. Cl.[7] F16B 41/00
(71)	1. UNIX CORPORATION (UNITED STATES OF AMERICA) 2. 3.
(72)	1. PETER KOPPENHOEFER 2. 3.
(73)	1. 2.
(30)	1. (US) 875633/10 –24/06/2004 2. 3.
(74)	HODA ANIS SERAG ELDIN
(12)	Patent

(54) A TIGHTENING SYSTEM FOR SECURE CONNECTION OF AT LEAST TWO ELEMENTS WITH ONE ANOTHER

Patent Period Started in 25/12/2004 and Ends in 24/12/2024

(57) A tightening system for secure connection of at least two elements with one another has a connecting member extending in line openings provided in the elements and having two opposite ends with at least one of the ends adapted to extend outwardly beyond at least one of the elements , a spacer member arranged rotatably between the elements , holding means arranged as the other of the connecting member , and a tightening member arranged on the at least one end of the connecting member , the spacer member being freely rotatable on the connecting member to prevent cutting of the 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)	30/11/2004 PCT/NA 2004110135 April 2006 26/07/2006 23576

(51)	Int. Cl.[7] H04B 3/36 & H04M 3/00 & G08B 3/00
(71)	1. MOTOROLA INC (UNITED STATES OF AMERICA 2. 3.
(72)	1. THOMAS J. ROLLINS 2. BRUEE M. MORTON 3.
(73)	1. 2.
(30)	1. (US) 10/160590 – 31/05/2002 & (PCT/US 03/15787) 19/05/2003 2. 3.
(74)	SAMAR AHMED EL LABAD
(12)	Patent

(54) COMMUNICATION SYSTEM

Patent Period Started in 30/11/2004 and Ends in 29/11/2024

(57) A system for communicating multimedia messages includes a multimedia message server that is operable to transmit visual media, a vibration melody and an audio segment that is preferably filtered to exclude frequencies of vibration melody through a network to a client device and is operable to , preferably at a later time , to transmit instructions to the client device to output the vibration melody audio segment and the vibration melody and visual media are preferably stored in a memory and in response to the instruction signal are read from the memory decoded and output to a user. The vibration melody and the audio segment are preferably applied at least partially concurrently applied to an electromechanical transducer

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Academy of Scientific Research & Technology

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Alice Wadie Francis
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Supervised by

Eng. Nadia Ibrahim Abd-Allah **Patent Office President**

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President,
Egyptian Patent Office

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HU	Hungary
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IL	Israel
IN	India
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IR	Iran
IS	Iceland
IT	Italy
JO	Jordan
JP	Japan
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KR	Republic of Korea (S)
KW	Kuwait
LB	Lebanon

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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)	31/12/2000 20001614 February2006 01/08/2006 23577

(51)	Int. Cl.[7] A01N43/34	
(71)	1. NATIONAL INSTITUTE FOR LEASER SCIENCES (EGYPT) 2. 3.	
(72)	1. PROF.DR.MAHMOUD HASHEM ABDEL-ADER 2. DR. AL-SAYED ABDEL MAJUID AL- SHERBINI 3. DR.MOHAMMED MOHI EL-DIN ABDEL AFEZ	4. SAMEH MOSTAFA ABD EL NABY
(73)	1. 2.	
(30)	1. 2. 3.	
(74)	DR. TAREK ABDALLAH EL TAYEB	
(12)	Patent	

(54)	**EVIROMENTALLY PHOTOACTIVABLE COMPUNDS IN THE PRESENCE OF SUNLIGHT TO CONTROL COTTON LEAF WORM**
	Patent Period Started in 31/12/2000 and Ends in 30/12/2020

(57) The cotton is considered as one of the important crops in Egypt. It is well known thar, more than 1300 insects species are infest cotton. The majority of these are of no economic importance. One of the most of these pests is the leaf woeem Spodoptera littoralis (Boisduval), which is found almost every where corron is grown, as well as the other crops and causing tremendous loss in economy.

Nowdays several methods were used to control of this insect. These are hand picking control, biological control, pheromones control, and chemical control, but the problem with these is the high costs and toxicity toward animals, plants, and human ecosystem, so there is focusing need for more selective and effcient methods for control the insect.

In our laboratory we developed new tenchnique for control of this insect, depending upon the using environmentaly friendally photosenstizers, which known porphyrin derivatives. These derivatives absorb all visible wavelengthes of solar spectrum, The results obtained show that.

- At concentration 10^{-3} M/L caused 100% mortality after 30 mins. Exposure fluence rate of (900 w/m2).Also it 10^{-3} M/L 30 mins.
- Using Phthalocyanine derivatives give a high efficiency, 100% mortalityof eggs obtained when we use the concentration 10-3 and exposed for 30 min .

The insect did not affected on Dark.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	26/05/2004 20040245 May2006 07/08/2006 23578

(51)	Int. Cl.[7] F03D 1/06
(71)	1. FELIX SUNCHEZ SUNCHEZ (SPAIN) 2. 3.
(72)	1. FELIX S. SUNCHEZ 2. 3.
(73)	1. 2.
(30)	1. PCT/ES03/00344 ES09072003 2. 3.
(74)	MARAWAN MOHAMED AHMED EL KHOULY
(12)	Patent

(54) ROUND HONEYCOMB ROTOR

Patent Period Started in 26/05/2004 and Ends in 25/05/2024

(57) Round honeycomb rotor for wind generator and most propellers has bent tubular trapezoids, two or more concentric tubular cylinders and a variable number of round bent tubular trapezoids. Both cylinders and trapezoids form modular trapezoidal tubes, which have large wind contact surfaces. The concentric tubular cylinders of the round panel have bent pieces fitted in between them whose function is to minimize wind exit and multiply wind contact surfaces in wind generators. As for propellers rotors the number of round bent tubular trapezoids gets multiplied as well as its wind contact surfaces, which results in the optimum use of most centrifugal propelling forces thanks to the reduction of wind entrance and the amplification of wind exit.

Arab Republic of Egypt **Ministry 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 20030533 February2006 08/08/2006 23579

(51)	Int. Cl.[7] A63F 9/06
(71)	1. EHAB NABIL KARAM (EGYPT) 2. 3.
(72)	1. EHAB NABIL KARAM 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

(54) MECHANICAL PUZZLE

Patent Period Started in 04/06/2003 and Ends in 03/06/2010

(57) The mechanical puzzle consists of a box, which involves a group of movable segments arranged over its plane base in the form of two intersecting circles, each of which is independently rotatable around its axis .

The upper surface of each of these segments is differently marked or colored so that when the circle rotates randomly, these colors will shuffle and scatter. Consequently, it will be required that the colors be rearranged into their original positions, which represents a challenge to the user, thus motivating his intellectual skills.

Rotating the circle depends on (Y) shape protrusions, each of which is fixed over the surface of one of two kinds of segments constituting the circle. Apparently, the accumulation of these (Y) shape protrusions takes the form of a steering wheel or (noria), by means of which the circle rotates.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	14/02/2004 20040065 April2006 09/08/2006 23580

(51)	Int. Cl.[7] A63B 21/00
(71)	1. HOSSAM HASSAN AHMED SHOOMAN (EGYPT) 2. 3.
(72)	1. HOSSAM HASSAN AHMED SHOOMAN 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

(54)	SHOOMAN APPARATUS FOR SKILLS DEVELOPMENT
	Patent Period Started in 14/02/2004 and Ends in 13/02/2024

(57) **Firstly: The apparatus name : Shooman apparatus for skills development**

*** Secondly:- The aims of the apparatus:-**

1- **Developing the reflex action martial arts players like**
2- Developing the movement velocity for martial arts
3- Developing the work for martial arts player

Thirdly :- The apparatus consists of

1- Electric motor
2- Mettalic closed couplet connector
3- Hydraulic press
4- Electric selinoid value
5- Relive value
6- Oil tank
7- Pistopn
8- A Metalic ruler
9- Hydraulic hoses

Secondly:- Electronic components:-

Electronic boards for controlling and tarning power on and off and consists

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	10/01/2004 20040012 May2006 10/08/2006 23581

(51)	Int. Cl.[7] C02F 3/30
(71)	1. GAMAL EL-DIN MOHAMED ALI YOUSSEF (EGYPT) 2. 3.
(72)	1. GAMAL EL-DIN MOH+ AMED ALI YOUSSEF 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

(54)	BIOGRAIN MEDIA
	Patent Period Started in 10/01/2004 and Ends in 09/01/2024

(57) Biograin Media is a carrier media for bacteria used in attached growth treatment of organic wastewater, it has a very big surface area more than $8000m^2/m^3$, suitable for living of micro organisms

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	17/04/2002 20020400 April2006 16/08/2006 23582

(51)	Int. Cl.[7] A61H 7/00
(71)	1. MOHAMED MOHY EL-DEIN EL-GAMAL (EGYPT) 2. 3.
(72)	1. MOHAMED MOHY EL-DEIN EL-GAMAL 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

(54)	**A NEW SIMPLE METHOD (ANAL PRINT) REVEAL ALL FINE DETAILS OF THE SKINE CORRUGATION, SOME ELEVATED PATHOLOGICAL LESIONS AS ANAL WART, ELEVATED SCARS ANAL ORIFICE**
	Patent Period Started in 17/04/2002 and Ends in16/04/2022

(57) A new simple method "anal print" reveal all fine details of the skine corrugation around the anal orifice, some elevated pathological lesions as anal wart, elevated scars at anal orifice and help in clinical diagnosis the passive sodomite cases in clinical forensic medicine.

Material:-

A very fine smooth brush, opaqe blake or white adhesive stickar about 3x4 cm., Transparunt adhesive sticker asa cover, very fine white or blake aluminium bowder.

Method:-

1- The examined person put in knee chest position.
2- Distribute gently the fine aluminum bowder by the fine brush perpendicular to the skine corigation at the anal orifice
3- Put gently the adhesive opaqe sticker on the anal orifice without pressur, then remove it slowly.
4- Keep this anal print by putting the colourless adhesive sticker on the opaqe one

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

GRANTED PATENT'S ABSTRACTS

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Preface

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

Emerging from the responsibility of the Academy of Scientific Research and Technology towards strengthening the pillars of science and technology , I have the pleasure to introduce the September 2006 issue of the periodical "Patent Abstract" which includes bibliographical data and abstracts of patents issued during August 2006 . This periodical is directed to all those interested in the vital field of Intellectual property which encompasses patents, innovations and creative works .

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

Eng. Nadia I. Abd-allah

Nadia

President,

Egyptian Patent Office

Bibliographic data

Bibliographic data	symbol
Patent Number	11
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Inventor Name	72
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Patent Attorney Name	74

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

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TG	Togo
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TN	Tunisia
TR	Turkey
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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
(September 2006)

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**14/02/2001** **20010128** **June 2006** **10/09/2006** **23583**

(51)	**Int. Cl.[7] A62B 23/00**
(71)	**1. AHMED ABOU TALEB MOHAMED ABOU TALEB (EGYPT)** **2.** **3.**
(72)	**1. AHMED ABOU TALEB MOHAMED ABOU TALEB** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54) METHODS OF PROTECTION IN CEMENT PLANTS

Patent Period Started in 14/02/2001 and Ends in 13/02/2021

(57) The first

Its new method for cooling the body of kiln burning area (fire zone) by using pipes in the form or tow hemisphare around the body of the kiln to make a complete cooling roation when the kiln rotate .

And we can put a thermometer to know the temperature of

Second for (Klinker elevater)

From cooler to cement mill this method protect the (klinker elevater) from damage when the chain it this method protect the buchet elevater from falling down and also no permission for elvater to go bached when the chain cuted .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	11/11/2003 20031025 May 2006 11/09/2006 23584

(51)	Int. Cl.[7] A61F 2/01
(71)	1. AMR ALI MOKHTAR AL- HOSSARY (EGYPT) 2. 3.
(72)	1. AMR ALI MOKHTAR AL- HOSSARY 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

(54)	**ELIMINATION OF MYOGLOBIN FROM BLOOD USING AN IV FILTER**
	Patent Period Started in 11/11/2003 and Ends in 10/11/2023

(57) Prevention of Acute Renal Failure following myoglobinemia in cases of rhabdomyolysis.

By means of trapping myoglobin released to circulation following striated muscles injury using a temporary intravenous filter , hence prophylaxis of Acute Renal Failure, which commonly follws this situation .

It is directed to all cases of rhabdomyolysis especially for " In situ prevention " in cases of disasters, crush injuries, and reperfusion injury in a limb .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	15/05/2004 PCT/NA 2004/000028 April 2006 13/09/2006 23585

(51)	Int. Cl.[7] F23D 14/06
(71)	1. SABAF S. P. A (ITALY) 2. 3.
(72)	1. BETTINZOLI ANGELO 2. 3.
(73)	1. 2.
(30)	1. (IT) (PCT/IT 2003/000294) – 11/06/2003 2. 3.
(74)	MOHAMED MOHAMED BAKIR
(12)	Patent

(54)	**GAS BURNER HAVING MEANS FOR REVESIBLY FIXING THE COVER**
	Patent Period Started in 15/05/2004 and Ends in 14/05/2024

(57) Gas burner for a cooking hob comprising a burner cup constrained to the cooking hob , Onto which at least one burner body is mounted and at least one superior cover , which can be removably coupled to said burner body , as well as at least one annular flame diffuser , disigned to produce at least one flame crown . The burner is also provided with means for reversibly fixing the superior cover to the burner cup. The reversible fixing means comprise at least one male part integral to the cup and at least one female part integral to the cover , or vice – versa in which the male part can be inserted into the female part and is movable within the female part between at least one reciprocal holding position and at least one reciprocal holding position and at least one reciprocal release 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)	30/10/2001 20011156 April 2006 13/09/2006 23586

(51)	Int. Cl.[7] A61K 121/65
(71)	1. EGYPTIAN ORGANISATION FOR BIALOGICAL PRODUCTS (EGYPT) 2. 3.
(72)	1. MOHAMED SALEMEL ABBADY 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	NSREEN SHEHATA KODB
(12)	Patent

(54) HAEMAGEL SOLUTION

Patent Period Started in 30/10/2001 and Ends in 29/10/2021

(57) We used to determine the Rh type by the indirect coombs test using the bovine albumin 22% as an en hancment reagemt. The purpose of our experement was to lest the efficiency of the gelatin solutimat .

We conducted the experiment on 185 samples using a different enhancers such bov-Ab . 22 % Hemagel 4/ gelatin at 4/ the experiment proved that the reaction with gelatin solution was the strongest . The cost margin persample for bovine albumin 22/ is 24 piastre and for gelatin solution 4/ is one piastre and the card gel is 2 Egyptian pounds .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**01/02/2003** **20030112** **May 2006** **17/09/2006** **23587**

(51)	**Int. Cl.[7] C02F 1/24 (2006.01) & E02B 15/00 (2006.01)**
(71)	**1. AMR MOHAMED ABDEL GHANY (EGYPT)** **2.** **3.**
(72)	**1. AMR MOHAMED ABDEL GHANY** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**CAPTOR**
	Patent Period Started in 01/02/2003 and Ends in 31/01/2023

(57) The patent consist of a material , which has a high absorption power.
This material has a high absorption power for oil and the liquid organic component . It can absorb them from the ground and water surfaces and so it resists the water pollution in seas , oceans and rivers from the leakage and spill , which may occurs as this material can float on the water for more than sixty days , waiting for any of the previous mentioned materials to be absorbed except water , and not diving in it .

Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Technology Development & Scientific Services Sector Egyptian Patent Office	EGYPT	(22) (21) (44) (45) (11)	05/04/2003 20030316 June 2006 17/09/2006 23588

(51)	Int. Cl.[7] A61K 35/78
(71)	1. FOOD TECHNOLOGY RESEARCH INSTITUTE 2. 3.
(72)	1. PROF. DR. HUSEIN MOHAMED RADWAN 2. DR. LOBNA ABDEL FATTAH MOHAMED HAREDY 3. DR. GEORG EBAD ABDEL MALAK
(73)	1. 2.
(30)	1. 2. 3.
(74)	PROF. DR. HUSEIN MOHAMED RADWAN
(12)	Patent

(54)	HIGH LYCOPENE TOMATO POWDER FOR CURING IRON DEFICIENCY ANEMIA
	Patent Period Started in 05/04/2003 and Ends in 04/04/2023

(57) A simple economic method to prepare high lycopene tomato power from tomato juice by partially separation of the serum . Then dried in both ventilated oven and solar dryers at 55° C. The source of iron in some foods has highly economic (Meat, liver, kidney) , then the recent addition of tomato power only to the diet of rats had high effect of increasing blood hemoglobin level (21.8%) (curing iron deficiency anemia) when compared by the addition of ferrous gluconate (14,47%) as well as the decrease of (Hb) in ferrous sulfate (4.17%) . The addition of tomato power to ferrous gluconate was increasing Hemoglobin . (H.b) level to 25.42% compared with ferrous sulfate (19.28%) may be due to the oxidation of ferrous sulfate to ferric sulfate (Lycopene has a high antioxidant effect to prevent the oxidation of iron salts) . Finally, it could be concluded that tomato powder has a strong antioxidant effect and also curing iron deficiency anemia by increasing iron bio-availability. So increasing hemoglobin in blood and the stored iron in liver and spleen .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	02/03/2004 20040093 June 2006 18/09/2006 23589

(51)	Int. Cl.[7] G09F 5/00
(71)	1. AHMED ALI AMER EL SAID (EGYPT) 2. 3.
(72)	1. AHMED ALI AMER EL SAID 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	EHAB ELDESOUKY BADAWY & MOHAMED ABDEL RAOUF SHAHEEN
(12)	Patent

(54)	**VISUAL ADVERTISING MEDIA BOARD**
	Patent Period Started in 02/03/2004 and Ends in 01/03/2024

(57) Visual advertising media board is a new version of advertising media boards based on using the fact of visually to design and execute advertising media board to be used in different events (celebrations – carnivals – gatherings – sports competitions) specially those which are broadcasted through T.V to maximize the advertiser benefits through increase the number of viewers for his advertisement over both sides T.V viewers and the other who view the action on fact.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	17/12/2003 20031086 April 2006 20/09/2006 23590

(51)	Int. Cl.[7] C01B 39/22
(71)	1. NATIONAL RESEARCH CENTRE (EGYPT) 2. 3.
(72)	1. PROF. DR. MOHAMED MOHAMED ABD EL MONEM SELIM 2. DR. ESLAM HAMDY ABDEL MAKSOD 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	NATIONAL RESEARCH CENTRE
(12)	Patent

(54) A PROCESS FOR PREPARATION OF FAUJASITE – X ZEOLITE FROM EGYPTIAN KAOLINE ORE

Patent Period Started in 17/12/2003 and Ends in 16/12/2023

(57) The present invention provides a process for the preparation of faujasite – X zeolite from Egyptian kaolin . Faujasite zeolite is considered as one of the most important materials in petroleum industry as adsorbents, separators , catalysts for many catalytic processes such as cracking , isomerisation , hydrogenation , dehydrogenation after supporting with transition metals and in medicine as wound covering. Zeolites in general is composed of silicon aluminium and sodium . The first two element present in silicate minerals including kaolin . Many countries used their kaolin for production of zeolite. Egypt has a large inexhaustible reserve of kaolin, and it is necessary to magnify the benefit of this material for production of different zeolite types. This is done by thermal activation of Egyptian kaolin at temperature 500 – 900 ° C. The activated kaoline is subjected to alkali treatment and addition of commercial sodium silicate of different concentrations followed by crystallization at temperature 80 – 110 ° C for 1-10h , faujasite- X zeolite was obtained with high degree of crystallization .

Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Technology Development & Scientific Services Sector Egyptian Patent Office	EGYPT	(22) (21) (44) (45) (11)	14/12/2003 20031080 April 2006 20/09/2006 23591

(51)	Int. Cl.[7] B01J 20/18 & C01B 39/02
(71)	1. NATIONAL RESEARCH CENTRE (EGYPT) 2. 3.
(72)	1. PROF. DR. MOHAMED MOHAMED ABD EL MONEM SELIM 2. DR. ESLAM HAMDY ABDEL MAKSOD 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	FOCAL POINT FOR PATENT OFFICE- NATIONAL RESEARCH CENTER PRESENTED BY MAGDA MOHASSEB EL SAYED
(12)	Patent

(54) PROCESS FOR PREPARATION OF NA-ZEOLITE FROM EGYPTIAN KAOLIN

Patent Period Started in 14/12/2003 and Ends in 13/12/2023

(57) The present invention provides a process for the preparation of Na – P zeolite from Egyptian kaolin. This is done by thermal activation of Egyptian kaolin at temperature 500-900 ˚C . The activated kaolin is subjected to alkali treatment and addition of commercial sodium silicate of different concentrations followed by crystallization at temperature 80-110 ˚ C for 1-10h. , Na-P zeolite was obtained with highly degree of crystallization .

Na-P Zeolite considered as one of the most important materials in vital fields . It can be used in water softening, additive to detergents, in petroleum industry as absorbents, separators, catalysts for many catalytic processes and in medicine as wound covering. In addition to that Na- P zeolite drawn especial interest because it can be used as a precursors for the preparation of other zeolites by its ability of recrystallization to other zeolite under suitable conditions . Zeolites in general is composed of silicon aluminium and sodium. The first two elements present in silicate minerals including kaolin. Many countries used their kaolin for production of zeolite. Egypt has a large inexhaustible reserve, and it is necessary to magnify the benefit of this material for production of different zeolite types.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	22/01/2002 20020078 May 2006 20/09/2006 23592

(51)	Int. Cl.[7] B60K 17/354
(71)	1. ENG.WALID FAWZI MOHAMED IBRAHIM (EGYPT) 2. 3.
(72)	1. ENG.WALID FAWZI MOHAMED IBRAHIM 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

(54) TELESCOPIC GEARBOX

Patent Period Started in 22/01/2002 and Ends in 21/01/2022

(57) The telescopic gear box consists of input shaft ,output shaft telescopic greas on both linear dovetailing cams, dovetailing handle and / or automatic control system and the idea is built upon the possibility of interference of all the greas in each other to become one gear consequently from the smallest to the biggest forming each time a complete gear for different speed range to give different torques and rotating speeds (rpm) ,

Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Technology Development & Scientific Services Sector Egyptian Patent Office	EGYPT	(22) (21) (44) (45) (11)	14/01/2004 20040026 May 2006 20/09/2006 23593

(51)	Int. Cl.[7] A23L1/172 & A23C 19/02
(71)	1. TAREK YOUSSEF MOHAMED EL MOURSY (EGYPT) 2. 3.
(72)	1. TAREK YOUSSEF MOHAMED EL MOURSY 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

(54) COMPOUND OF ENZYMES GROUP, DRIED FUNGUS AND ZINC SALTS

Patent Period Started in 14/01/2004 and Ends in 13/01/2024

(57) The invention is composed of enzymes group, dried fungus and zinc salts for improving diets digestibility and conversion efficiency for poultry and fish .

These compound contains enzymes specialized of degrading anti- nutritional factors in poultry and fish diets , these factors are basely phytic acid and trypsin & chemotrypsin inhibitors. The multi – enzymatic preparation is provided with zinc chloride . The source of enzymes is pure strains of safety nutrionally fungus, They are Aspergillus oryzae, Rhizopus oligospourus . The compound contains 15% zinc chloride , 80% rice bran as carrier , each gram of carrier has 500 unit of phytase , 200 unit of protease , 60 unit of lipase , 23 unit of amylase 21 unit of B- galactosidase and 5% dried fermented growth of the using fungus addition to these components ; mixture of honey and royal gilly is using as powder for there important role for growth and feed convertion . The main purpose of compound is increasing biological value of protein , minerals and increasing convertion efficiency for diets to high and economical production and decreasing pollution by digesion wastes .

These invention is current with mondial direction of depending on natural and biological sources in all life fields and avoiding to dangerous effects of using chemical materials .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **`Egyptian Patent Office**	EGYPT	**(22)** **(21)** **(44)** **(45)** **(11)**	**26/12/2004** **PCT/NA 2004000152** **May 2006** **21/09/2006** **23594**

(51)	**Int. Cl.[7] F16L 15/08**
(71)	**1. VALLOUREC MANNESMANN OIL & GAS FRANCE (FRANCE)** **2.** **3.**
(72)	**1. VERGER ERIC** **2. BRUNEAU ALBERT** **3. DURAND ANTOINE**
(73)	**1.** **2.**
(30)	**1. (FR) 02/08080 – 28/06/2002** **2. (PCT/FR 2003/001744) – 11/06/2003** **3.**
(74)	
(12)	**Patent**

(54) REINFORCED TUBULAR JOINT FOR IMPROVED SEALING TIGHTNESS AFTER PLASTIC EXPANSION

Patent Period Started in 26/12/2004 and Ends in 25/12/2024

(57) The invention relates to a high- performance threaded tubular joint comprising a first, male tubular element and a second , female tubular element made up together by screwing . one of the tubular elements has a non – threaded lip (38;5) extending between its thread and its free end and having a sealing surface (40;7) in sealing – tight contact with the opposite surface (41;8) of the other element after screwing together, diametric expansion , and then generation of springback forces of the first and second tubular elements . The joint has a tubular sleeve (34;36) threaded over the second element before screwing together and positioned to extent axially substantially opposite to the lip (3;5)and , after diametric expansion , generating a springback force which is added to that of the second element in order to counteract the springback force of the first element, thus effecting at least the shrink fitting of the tubular sleeve over the second element .

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **`Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	01/03/2003 20030205 March 2006 21/09/2006 23595

(51)	Int. Cl.[7] G08G 1/07, 1/0965& B60R 25/00& H04Q 1/00
(71)	1. OSAMA AZIZ EL-MASRY ALY MOHAMED (EGYPT) 2. 3.
(72)	1. OSAMA AZIZ EL-MASRY ALY MOHAMED 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

(54) TRAFFIC CONTROL SYSTEM

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

(57) The invention envolyes introducing a wireless controlling system to the traffic system by installing transmitting units on the road , and other ones carried by the policemen and one Receiving and Controlling unit is installed in each vehicle .

*** Control on the Road :-**

Transmitters, distributed on the road, will continuously send commands (for instance , speed control commands) As soon as the vehicle (equipped with its Receiving and Controlling Unit) passes by the transmitter, its Receiving and Controlling Unit receives the commands, and executes them. For instance , speed control commands (the application that has been focused on in this request) are executed as follows:

1) Verbal announcement of the maximum speed of the road ,through a speaker in the vehicle.
2) If the vehicle's speed exceeds the maximum speed, beeps will run start to run . If the beeps last for 20 seconds. And the driver does not slow down to the maximum speed , the Receiving and Controlling unit will record a fine .

The driver, therefore will always be aware with his report ,and at the time of the license renewing ; the report will be transferred to the traffic office (IT Dept) and the driver will be treated according to his report .

*** Control by the Policeman :-**

Transmitters, carried by the policemen are updated with the serial number of the Receiving and Controlling Unit of the stolen/missing vehicle. In turn . the transmitters will, continuously . sent the serial number of the missing/ stolen vehicle followed by the engine disable/enable command, and once the stolen/missing vehicle passes by the transmitter, it will receive the serial number and if the serial number matchs its own one, the engine will be disabled / enabled.

*** Benefits of the system :-**

a) Forcing drivers not to excceed the maximum speed during 24 hours a day , hence, reducing the rate of road accidents caused by speeding.
b) Facilitates the task of policemen in capturing the stolen or suspected vehicles , without the need to set up traps (decoys) or perform car chases .

Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Technology Development & Scientific Services Sector `Egyptian Patent Office	EGYPT	(22) (21) (44) (45) (11)	14/10/2004 PCT/NA 2004/000108 June 2006 24/09/2006 23596

(51)	Int. Cl.[7] H02K 9/22
(71)	1. KONE CORPORATION (FINLAND) 2. 3.
(72)	1. AULANKO ESKO 2. MUSTALAHTI JORMA 3. HUPPUNEN JUSSI
(73)	1. 2.
(30)	1. (FI) 20020740 – 14/04/2002 2. PCT/FI (03/00284) – 14/04/2003 3.
(74)	HODA SERAG ELDIN
(12)	Patent

(54)	FASTENING OF THE STATOR OF A FLAT ELEVATOR MOTOR
	Patent Period Started in 14/10/2004 and Ends in 13/10/2024

(57) A stator fastening arrangement in a flat elevator motor having a motor body in which are arranged a stator comprising a stator core and a winding and a rotor fitted in conjunction with a substantially trough – like mounting part fastened to the motor body and the space between the mounting part and the stator is filled with a thermally conductive filling material serving to conduct heat from the stator to the mounting 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)	17/10/2004 PCT/NA 2004/000110 June 2006 24/09/2006 23597

(51)	Int. Cl.[7] F23D 14/10
(71)	1. CAST S.P.A (ITALY) 2. 3.
(72)	1. GIORGIO OFFREDI 2. 3.
(73)	1. 2.
(30)	1. (IT) (SV 2002 A000015) – 19/04/2002 2. (PCT/EP/2003/050095) – 15/01/2004 3.
(74)	HODA AHMED SERAG ELDIN
(12)	Patent

(54) OVEN OR GRILL BURNER VENTURI TUBE MOUNTING FOR A THERMOCOPULE AND/ON AN IGNITER AND PROCESS FOR FABRICATING SAID BURNER

Patent Period Started in 17/10/2004 and Ends in 16/10/2024

(57) The invention relates to an oven or grill burner, composed two half shells,one whereof is perforated , which are tightly joined together along at least a portion of the edges, so as to form a tubular body communicating with a venturi tube . According to the invention , at least two corresponding ends of the two half shells have a truncated profile, so that said tubular body has at least one truncated end. The invention further relates to a venturi tube for said burner which, according to the invention , is composed of two half shells. Also the invention relates to a mounting of a thermocouple and an igniter, still for said burner,which mounting according to the ionvention , has such coupling means that mutual contact surfaces are oriented in at least three non- parallel planes, and have means for preventing mounting rotation, so that the position thereof is accurately defined . The invention also relates to a process for fabricating said burner .

Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Technology Development & Scientific Services Sector `Egyptian Patent Office	EGYPT	(22) (21) (44) (45) (11)	26/07/2004 20040316 June 2006 27/09/2006 23598

(51)	Int. Cl.[7] G01V 1/00
(71)	1. PGS AMERICAS INC (UNITED STATES OF AMERICA) 2. 3.
(72)	1. SVEIN TORLEIF VAAGE 2. JOHN BRITTAN 3. RUBEN D. MARTINEZ
(73)	1. 2.
(30)	1. (US) 630385/10 – 30/07/2003 2. 3.
(74)	5
(12)	Patent

(54) METHOD FOR SEPARATING SEISMIC SIGNALS FROM TWO OR MORE DISTINCT SOURCES

Patent Period Started in 26/07/2004 and Ends in 25/07/2024

(57) Method is disclosed for separating energy resulting from actuating at least two different seismic energy sources from seismic signals. The sources are actuated to provide a variable time delay between successive actuations of a first one and a second one of the source . The method includes second the seismic signals such the events therein resulting from actuations of the first source are substantially coherent in all spatial directions, coherency filtering the first source coherency sorted signals, sorting the seismic signals sush the events therein resulting from actuation of the second source are substantially coherent in all spatial direction and coherency filtering the second source coherency sorted signals .

Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Technology Development & Scientific Services Sector `Egyptian Patent Office	EGYPT	(22) (21) (44) (45) (11)	13/07/2004 20040307 June 2006 27/09/2006 23599

(51)	Int. Cl.[7] G01V 1/38
(71)	1. PGS AMERICAS INC (UNITED STATES OF AMERICA) 2. 3.
(72)	1. SVEIN T. VAAGE 2. JACOB T. FOKKEMA 3. PETER M. VAN DEN BERG
(73)	1. 2.
(30)	1. (US) 10/621222 – 16/07/2003 2. 3.
(74)	MOHAMED KAMEL MOSTAFA
(12)	Patent

(54) METHOD FOR SEISMIC EXPLORATION UTILIZING MOTION SENSOR AND PRESSURE SENSOR DATA

Patent Period Started in 13/07/2004 and Ends in 12/07/2024

(57) A method is disclosed for deghosting. The data include measurements of a measurements of a vertical component of particle motion and pressure. The measurements are substantially collocated and made at a plurality of spaced apart positions. The method includes transforming the data into the spatial frequenctdomain, and separating upgoing and downgoing wavefield components of the transformed data. Water surface multiples may be removed by decomposing the signal made at a plurality of seismic energy source location into upgoing and downgoing wavefield

Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Technology Development & Scientific Services Sector Egyptian Patent Office	EGYPT	(22) (21) (44) (45) (11)	03/06/2003 20030527 December 2005 18/09/2006 23559

(51)	Int. Cl.[7] C03B 23/09, 23/11,23/18
(71)	1. SCHOTT AG (GERMANY) 2. 3.
(72)	1. HEINZ RAUSCH 2. ERHARD DICK 3.
(73)	1. SCHOTT GLAS (GERMANY) 2.
(30)	1. (DE) 10224833,8 - 05/06/2002 2. 3.
(74)	MOHAMED MOHAMED BAKIR
(12)	Patent

(54) TUBE BLANK AND METHOD OF PRODUCING GLASS RECEPTACLES FROM A TUBE BLANK

Patent Period Started in 03/06/2003 and Ends in 02/06/2023

(57) A tube blank is disclosed for producing glass receptacles , in particular glass tube vials, glass ampules, or glass syringes , particularly those suitabl;e for pharmaceutical applications , having a tube wall , including two end regions – a first end region and the second end region – the first end region being sealed to from a floor and a ventilation hole being introduced into the tube wall in the region of the end region distinguished in the the tube end characterizing the second end region has an opening .

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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Preface

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

Emerging from the responsibility of the Academy of Scientific Research and Technology towards strengthening the pillars of science and technology , I have the pleasure to introduce the October 2006 issue of the periodical "Patent Abstract" which includes bibliographical data and abstracts of patents issued during September 2006 . This periodical is directed to all those interested in the vital field of Intellectual property which encompasses patents, innovations and creative works .

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

Eng. Nadia I. Abd-allah

Nadia

President,
Egyptian Patent Office

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TW	Taiwan
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VE	Venezuela
VN	Viet Nam
YD	Yemen
YU	Yugoslavia
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ZM	Zambia
ZR	Zaire
ZW	Zimbabwe
LA	Latfya

ABSTRACTS
FOR
GRANTED PATENTS
(OCTOBER 2006)

Table of Contents

Arab Republic of Egypt **Ministry 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 0247/2003 June2006 02/10/2006 23600

(51)	Int. Cl.[7] A61K 35/58
(71)	1. EGYPTIAN ORGANIZATION FOR BIOLOGICAL PRODUCTS (EGYPT) 2. 3.
(72)	1. MOHAMED SALEM ELABADY 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	Ameira Tawfeik AbdEl Azeiz
(12)	Patent

(54) TREATMENT AND PROPHYLACTIC DRUG FOR MALARIA

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

(57) Scorpion venom drug act as Anti-Malaria drug that it contain fractions act as inhibitant & suppressant for malaria's life cycle at particular doses.

It was approved that pandinus venom has the ability to stop the development of asexual life cycle from ring to schizont stage.

For the protectioin role, The goal is to use a particular doses of the scorpion venom to stimulate the immune system to produce specific immune response against malaria parasite.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	01/10/2003 0959/2003 April 2006 09/10/2006 23601

(51)	Int. Cl.[7] B26B 13/28
(71)	1. TAREK ESMAIEL ABDEL- HAMED TAHA (EGYPT) 2. 3.
(72)	1. TAREK ESMAIEL ABDEL - HAMED TAHA 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Utitity Model

(54)	**A GROUP OF SCESSORS FOR OPENING SERMONY**
	Patent Period Started in 01/10/2003 and Ends in 30/09/2010

(57) In a various projects local or international. There is a big opining sermony aiming for finishing of preparing period and starting of activation period.

so, during thid sermony the usual protocol done by cuting a ribbon by using a normal scissors which considered the only sitteld tool in all similar sirmonies.

Now I'm presinting an addition and development in this tool (scissors) by introducing a group (five) of scissors to give new form to be more suitable practical in This festivals to give a new good apperance and temporal memory according to different roles of each user to this new model and form of scissors in this 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)	25/02/2003 0187/2003 April2006 09/10/2006 23602

(51)	Int. Cl.[7] D21C 11/00	
(71)	1. CHEMPOLIS OY (FINLAND) 2. 3.	
(72)	1. PASI ROUSU 2. JUHA ANTTILA 3. JUHA TANSKANEN	4. ESA ROUSU 5. 6.
(73)	1. 2.	
(30)	1. (FI) 20020401 – 01/03/2002 2. 3.	
(74)	Marawan Mohamed Ahmed El khouly	
(12)	Patent	

(54)	**Reactive Separation**
	Patent Period Started in 25/02/2003 and Ends in 24/02/2023

(57) *The invention relates to a process for producing furufural, for forming formic* and acetic acide and for recovering formic and acetic acids in a pulp making process, in which an acid mixture containing mainly formic and acetic acids is used as a cooking chemical. The process of the invention is characterized by utilizing reactive evaporation and recycling of spent cooking liquors in evaporators in the recovering stage of the cooking chemicals. Thus it is possible to form effectively more furfural, formic acid and acetic acid from the dissolved organic matter contained in the cooking liquor and/or chemically bound acids contained therein.

Arab Republic of Egypt **Ministry of State for Scientific Research** **Academy of Scientific Research & Technology** **Technology Development & Scientific Services Sector** **Egyptian Patent Office**	EGYPT	(22) (21) (44) (45) (11)	03/09/2001 0952/2001 April2006 10/10/2006 23603

(51)	Int. Cl.[7] A61B 17/72
(71)	1. ADEL HUSSEIN ALI (EGYPT) 2. 3.
(72)	1. ADEL HUSSEIN ALI 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

(54)	COMPRESSION AND NON COMPRESSION HUMERAL LOCKING NAIL
	Patent Period Started in 03/09/2001 and Ends in 02/09/2021

(57) This nail consist of proximal threaded part with single hole or double hole for locking of the nail, also it is expanded than the core diameter of the rest of the nail. The pitch of the thread is different than the distal threaded part so through this mechanism the compression can occur. The in- between part is smooth. Again the proximal part could be smooth cylinder with the hole for locking . Interference fit in distal 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)**	**30/09/2002** **1074/2002** **July 2006** **29/10/2006** **23604**

(51)	**Int. Cl.[7] G108B 21/00,21/20, D06F 39/00**
(71)	**1. WALEED MOHAMED ABD EL FATTAH ALI (EGYPT)** **2.** **3.**
(72)	**1. WALEED MOHAMED ABD EL FATTAH ALI** **2.** **3.**
(73)	**1.** **2.**
(30)	**1.** **2.** **3.**
(74)	
(12)	**Patent**

(54)	**TO PROTECT ANY MACHINE THAT WORKS WITH WATER (PUMP-MACHINE-BOILER) FROM THE WATER CUT OFF**
	Patent Period Started in 30/09/2002 and Ends in 29/09/2022

(57) Making use of the pressure of water in the operation of turning off and turning on any machine that works with water i.e this set can't work without depending on the volume of pressure in turning on the machine. Throw this idea the pressure of water can be used to protect any machine that works with water like (Automatic machine, dish-washers, machines, boilers, and water pumps) from the water cut off. When the water is off this set disconnects the electricity to these machines until the water is avillable. This set can also conduct the electricity again to the machine in order to keep all the safety effective means for those who use these machines.In the same time this set can work as an alarm set.

Arab Republic of Egypt Ministry of State for Scientific Research Academy of Scientific Research & Technology Technology Development & Scientific Services Sector Egyptian Patent Office	EGYPT	(22) (21) (44) (45) (11)	15/12/2004 0509/2004 July2006 29/10/2006 23605

(51)	Int. Cl.[7] C03C 8/14,C09D 5/38, C04B 41/51, C03C 17/06, B44C 1/16,C09D 179/02, B44C 1/10, C03C 8/10	
(71)	1. WC HERAEUS GMBH & CO KG (GERMANY) 2. 3.	
(72)	1. SABINE WISSEL 2. PATRICK WENZEL 3. ANNETTE LUKAS	4. GUNTER WERNER 5. JOHANN DUCHAC 6.
(73)	1. 2.	
(30)	1. (DE) 10359448,5 – 17/12/2003 & 102004017335,4 – 06/04/2004 2. 3.	
(74)	Hoda Anis Serag Eldin	
(12)	Patent	

(54) NOBLE METAL PREPARATIONS AND LUSTRING PREPARATIONS FOR DIRECT AND INDIRECT SCREEN PRINTING

Patent Period Started in 15/12/2004 and Ends in 14/12/2024

(57) Noble metal preparations or luster preparations which contain at least one polyaminoamide whose amino groups have preferably been inactivated , have a particularly advantageous stability in storage.