

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



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Preface

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

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

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

Acting President of Patent Office

Eng. Essmat Aly Abd Ellateef

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Inventor Name	72
Patentee Name	73
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**List of Codes of Countries and Regional
Organisations Administered by the World
Intellectual Property Organisation**

Code	Country
AE	United Arab emairates
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AL	Albania ¹
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KR	Republic of Korea
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ME	Montenegro

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PY	Paraguay
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RS	Serbia
RU	Russian Federation
RW	Rwanda



**ABSTRACTS
FOR
GRANTED PATENTS
February (2010)**

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



(22) 16/02/2005
 (21) 0079/2005
 (44) August 2009
 (45) 02/02/2010
 (11) 24611

(51)	Int. Cl. ⁷ A61K 33/08
(71)	1. Dr. Mohamed Mohamed Mohamed Elsayed (Egypt) 2. 3.
(72)	1. Dr. Mohamed Mohamed Mohamed Elsayed 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	
(12)	Patent

(54)	DERMAZAD CREAM A SKIN PROTECTANT
	Patent Period Started in 16/02/2005 and Ends in 15/02/2025
(57)	How to prepare cream contains Aluminum hydroxide dry gel 0.275% This formula is indicated as a skin protectant of injured skin and as a therapeutic moisturizing cream for healing of wounds, ulcers & Minor burns. Application : apply liberally when necessary or twice per day .

Arab Republic of Egypt
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(22) 14/01/2006
 (21) PCT/NA2006/000031
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 (45) 11/02/2010
 (11) 24612

(51) Int. Cl. ⁷ B05B1/08,1/14

(71) 1. BOEHRINGER INGELHEIM MICROPARTS GMBH (GERMANY)
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(30) 1. (DE) (10332434.8) – 16/07/2003
 2. (DE) (10332426.7) – 16/07/2003
 (EP) (PCT/EP2004/007715) – 13/07/2004

(74) WAGDY NABEEH AJJIJ

(12) Patent

(54) **A PROCESS FOR PRODUCING MICROFLUIDIC
 ARRANGEMENTS FROM A PLATE-SHAPED
 COMPOSITE STRUCTURE**

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

(57) This invention relates to a process for producing a multiplicity of micro fluidic arrangements from a plate-shaped composite structure, wherein each arrangement comprises a groove structure which forms flow channels and the dimensions of which are in the micrometre range. The lines for the optional subsequent mechanical separation of bridging groove structures are joined to each other and are partly or completely filled with a filling medium before mechanical machining. The medium is selected so that it is not removed from the groove structures either by the mechanical machining or by aids used during mechanical machining. Afterwards, however, the filling medium is removed from the groove structures by suitable measures. The groove structures are thereby prevented from becoming blocked due to mechanical contaminants. An atomiser which is provided with the nozzle arrangement is also proposed.

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(22) 25/10/2003
 (21) 0999/2003
 (44) October 2009
 (45) 11/02/2010
 (11) 24613

(51)	Int. Cl. ⁸ A62B 1/06
(71)	1. Ahamad Ibrahim Mohammed Hassab (Egypt) 2. Abd Elraof Abd Elmageed Alshahawy (Egypt) 3.
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(74)	
(12)	Patent

(54)	A SECRET FIRE FIGHTING LADDER
	Patent Period Started in 25/10/2003 and Ends in 24/10/2023

(57) This invention relates to a secret fire fighting ladder. It consists of two arms, one of them is a water tube and the other is gas tube. The ladder is also provided with two valves for water and gas. They are arranged on the two arms with distance ranges from 2.60 m to 2.80 m to facilitate handling the fire in places such as kitchens or where there are air conditioning sets. A fireman can press on the arm to open the valve automatically and the tube should be as near to fire as possible. The gas valve may have one tube that reaches a kitchen and another one reaches the kitchen for instance. Preferably, there is a spare connection in direct contact with gas valve that is arranged on the arm of the ladder to facilitate fires fighting process.

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(22) 29/01/2003
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 (44) September 2009
 (45) 16/02/2010
 (11) 24614

(51)	Int. Cl. ⁸ G06F 3/00
(71)	1. Electronics Research Institute (Egypt) 2. 3.
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(30)	1. 2. 3.
(74)	
(12)	Patent

(54) **WIRELESS THREE DIMENSIONAL MICROWAVE HOLOGRAPHIC POINTER (3DMI-HOPE) USING MISROSTRIP ANTENNAS**

Patent Period Started in 29/01/2003 and Ends in 28/01/2023

(57) We have developed a novel input system (3DMI-HOPE) that allows users to intuitively specify three-dimensional coordinates and enter it to computer memory. The new holographic pointer has reached high positioning accuracy of 1 mm using 5.2GHz (802.11b WLAN standard) operating frequency with resolution capability of multipoint capturing of λ_0 (free space wave length) point's separation. The system has been developed with reduced size U-shaped slot antenna array to act as hologram recording plate. A new technique for reconstruction of virtual image of object has been developed which, allows 3DMI-HOPE to have reconstruction volume equal to or greater than hologram size .

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(22) 22/10/2005
 (21) 0452/2005
 (44) September 2009
 (45) 18/02/2010
 (11) 24615

(51)	Int. Cl. ⁸ C23C 14/30
(71)	1. Hebatalrahman Ahmed Hafiz Mustafa (EGYPT) 2.
(72)	1. Hebatalrahman Ahmed Hafiz Mustafa 2.
(73)	1. 2.
(30)	1. 2.
(74)	
(12)	Patent

(54)	LASER TREATED HYBRID COMPOSITE MATERIAL FOR FIRE RESISTANCE APPLICATIONS
	Patent Period Started in 22/10/2005 and Ends in 21/10/2025

(57) Hybrid composite material is prepared for fire resistance purposes, the material decrease fire rate and eliminate mechanical failure. Some high melting point compounds and oxides are mixed with short fibers and fabricated. Easy fabrication of the hybrid composite to intricate shapes is achieved by The transformation of thermoplastic to thermoset. The process is done by both laser and chemical treatment. The different compounds absorb the laser beam and a significant improvement in the mechanical properties is recorded due to cross linking.

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(22) 23/04/2005
 (21) 0206/2005
 (44) September 2009
 (45) 21/02/2010
 (11) 24616

(51) Int. Cl. ⁸ C25B 1/00 , 13/00

(71) 1. National research center (EGYPT)
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(74) UNIT FOR PROTECTION OF INTELLECTUAL PROPERTY RIGHTS - FOCAL POINT-
 WITH PATENT OFFICE – NATIONAL RESEARCH CENTER
 BY MRS. MAGDA MEHASSEB & MRS. AMAL YOUSEF &
 MRS. MONA MOHAMED FARIED

(12) Patent

(54) **DESIGN OF INTEGRATED SYSTEM FOR TREATMENT
 OF TEXTILE WASTEWATER USING THE
 ELECTROCATALYTIC OXIDATION TECHNIQUE**

Patent Period Started in 23/04/2005 and Ends in 22/04/2025

(57) This invention is concerning with the design of integrated system for the treatment of textile wastewater using the electrochemical techniques which are both of the indirect and direct methods. The indirect methods include the electrocatalytic oxidation using the so called modified electrodes, the electrochemical coagulation, the electrocatalytic oxidation using the electro-generated Fenton's agent where the catalyst (iron) started from the valence (2+) to the valence (3+), the electrocatalytic oxidation using the electro-generated Fenton's agent where the catalyst (iron) started from the valence (zero) to the valence (3+), The direct methods include the electrocatalytic oxidation using the so called modified electrodes where both the cathodic compartment and anodic compartment are separated using cationic membrane or anionic membrane, the electrocatalytic oxidation using the electro-generated Fenton's agent where the catalyst (iron) started from the valence (2+) to the valence (3+) and both the cathodic compartment and anodic compartment are separated using cationic membrane or anionic membrane, the electrocatalytic oxidation using the electro-generated Fenton's agent where the catalyst (iron) started from the valence (zero) to the valence (3+) and both the cathodic compartment and anodic compartment are separated using cationic membrane or anionic membrane. The treatment system contains oil and grease trap, chemical coagulation for removal of suspended solids, electrochemical oxidation process (indirect or direct), and multimedia filtration process.

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(22) 06/09/2006
 (21) PCT/NA2006/000838
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 (45) 21/02/2010
 (11) 24617

(51) Int. Cl. ⁸ A01N 43/90 & C07D 487/04

(71) 1. BASF AKTIENGESELLSCHAFT (GERMANY)
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 5. MARKUS GEWEHR 11. CARSTEN BLETTNER 16. REINHARD STIERL
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(73) 1.
 2.

(30) 1. (EP) (1020040120110-10) – 10/03/2004
 2. (EP) (PCT/EP2005/0002427) – 08/03/2005
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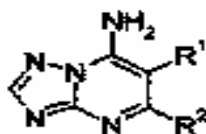
(74) TAHA HANAFI MAHMOUD

(12) Patent

(54) **COMPOUNDS 5,6-DIALKYL-7-AMINOTRIAZOLOPYRIMIDINES, THEIR USE FOR CONTROLLING HARMFUL FUNGI,**

Patent Period Started in 08/03/2005 and Ends in 07/03/2025

(57) Compound 5,6-Dialkyl-7-aminotriazolopyrimidines of the formula I



in which the substituents are as defined below:

R¹ is alkyl or alkoxyalkyl, where the aliphatic groups may be substituted as defined in the description;

R² is CHR³CH₃, cyclopropyl, CH=CH₂ or CH₂CH=CH₂;

R³ is hydrogen, CH₃ or CH₂CH₃;

processes for preparing these compounds, compositions comprising them and their use for controlling phytopathogenic harmful fungi.

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(22) 21/03/2007
 (21) 0140/2007
 (44) October 2009
 (45) 22/02/2010
 (11) 24618

(51)	Int. Cl. ⁸ C05C 5/02 & A01G 7/04
(71)	1. Youssry Mohamed Mahmoud Ibrahim (Egypt) 2. 3.
(72)	1. Youssry Mohamed Mahmoud Ibrahim 2. 3.
(73)	1. 2.
(30)	1. 2. 3.
(74)	Mr. AHMAD FAISAL MOHAMED MAHMOUD
(12)	Patent

(54) THE NATURAL MAGNETITE ORE USE IN AGRICULTURE

Patent Period Started in 21/03/2007 and Ends in 20/03/2027

(57) Trends have recently called on the use of magnetism to improve agricultural practices and to get clean and abundant yield free from pollution. There is a revolution in this scope in America, states of Russian commonwealth, Europe and China in the light of the great benefits of magnetism in all scopes of life particularly in agricultural area. This ore is a revolution in the world of agriculture, as it contains natural, chemical and magnetic properties. It exists in very fine granules of high magnetism that allow useful nutrients to pass to plant. Also, it electrifies nematodes and microbes hosting plant roots, moreover, it can use water of more than 8000 ppm. It is an essential agent to remove soil salinity and recently it is used to sea water desalinization.

Importance of magnetite ore:

- 1- Magnetic water resolves the problem of soil compaction that existed over years to improve water-air balance and to allow roots to grow freely and to absorb nutrients more quickly; hence, it encourages plant growth.
- 2- It increases root growth as a result of increasing absorption of nutrient elements.
- 3- It improves soil water retention, thus, total plant growth is enhanced and cost of germination is decreased.
- 4- It raises fertilizer efficiency and in turn, cost is lowered and fertilizer becomes more available for plants.

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(22) 28/06/2007
 (21) 0350/2007
 (44) September 2009
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 (11) 24619

(51) Int. Cl. ⁸ B03B 7/00 , F21B 21/06

(71) 1. Ahmed Ibrahim Mohamed Abo-Seada (Egypt)
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(74) Ahmed Ibrahim Mohamed Abo-Seada

(12) Patent

(54) **THE AUTOMATIC OIL SKIMMER**

Patent Period Started in 28/06/2007 and Ends in 27/06/2027

(57) Automatic oil skimmer is an apparatus used in skimming oil from factories drain water. It used in petroleum factories to meet the ministry of environments stipulations regarding to industrial drain, in other hand to reuse (recycle) the skimming oil.

Automatic oil skimmer based on an distinction idea, beside properties of each of oil & water of density difference and electric conductivity. Such apparatus put in the company draining water which containing the water polluted by oils, and automatic oil skimmer adjust its location between the separation level between water and oil, however it keep its position whatever the operation conditions of water & oil quantities and densities varies. That happened by automatic control of skimmer position to skim oil only with high efficiency.

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 (11) 24620

(51) Int. Cl. ⁸ A61B 17/88

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(12) Patent

(54)

THE THREADED EXTERNAL FIXATOR

Patent Period Started in 28/10/2007 and Ends in 27/10/2027

(57) Generally the Threaded External Fixator is used for fixation of Compound Fractures which are accompanied by large lacerated wounds in need for daily Care until Complete healing.

The traditional external fixator is Composed of three Components, rod or long tube, fixation screws and Clamp to hold the screw to the rod and this causes some difficulty in use added to the heavy weight.

The threaded External Fixator is Composed of long threaded rod with penetrating.

Perpendicular holes for passage of the fixation screws that holds in place by tightening of the adjacent nuts rolling directly over the threaded rod, leading to simplicity of use and ultimately light weight of the fixator .