

বাংলাদেশ



গেজেট

কর্তৃপক্ষ কর্তৃক প্রকাশিত

বৃহস্পতিবার, নভেম্বর ৭, ২০১৩

৪র্থ খণ্ড

প্রথম খণ্ডে অন্তর্ভুক্ত প্রজ্ঞাপনসমূহ ব্যতীত পেটেন্ট অফিস কর্তৃক জারীকৃত প্রজ্ঞাপনসমূহ

পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর

শিল্প মন্ত্রণালয়

৯১, মতিঝিল বা/এ, ঢাকা।

গৃহীত পেটেন্ট দরখাস্ত

**Accepted Patent Application**

এতদ্বারা জানানো যাইতেছে যে, নিম্নে বাম পার্শ্বে উল্লেখিত যে কোন পেটেন্ট আবেদন পত্র সম্পর্কীয় উদ্ভাবনের জন্য পেটেন্ট মঞ্জুরীর বিরুদ্ধে যে সকল ব্যক্তি বিরোধিতা করিতে ইচ্ছুক তাঁহারা এই গেজেট প্রকাশের তারিখ হইতে চার মাস সময় সীমার মধ্যে যে কোন সময় পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর, (পেটেন্ট ও ডিজাইন উইং), শিল্প মন্ত্রণালয়, (৬ষ্ঠ তলা) ৯১, মতিঝিল বা/এ, ঢাকা-১০০০, বাংলাদেশ এই ঠিকানায় ১৯৩৩ ইং সনের পেটেন্ট ও ডিজাইন বিধিমালা-১৯৩৩ অনুযায়ী ৬ নং নির্দিষ্ট ফরমে বিরোধিতা নোটিশ দাখিল করিতে পারিবেন।

নিম্নে ডান পার্শ্বে প্রদর্শিত সাত অংক বিশিষ্ট সংখ্যাগুলি পূর্ণাঙ্গ বিশেষত্বনামা গৃহীত হইবার পর পেটেন্ট নম্বর প্রদান করা হইয়াছে এবং এই ক্রমিক সংখ্যা অনুসারে বিনির্দেশ মুদ্রণ করা হইবে এবং পরবর্তী কার্যক্রম গ্রহণ করা হইবে।

গৃহীত পেটেন্ট দরখাস্তসমূহের সাময়িক (যদি থাকে) ও পূর্ণাঙ্গ বিশেষত্বনামা জনসাধারণের পরিদর্শনের জন্য অফিস চলাকালীন সময়ে অত্র অধিদপ্তরে প্রদর্শিত হয়। যে কোন আবেদনকারী প্রয়োজনে টাইপ-রাইটারে মুদ্রিত বিশেষত্বনামা প্রত্যাগিত প্রতিলিপি সরবরাহ করা যাইতে পারে যদি তিনি ২৯ নং ফরমে নির্দিষ্ট ফিসহ আবেদন দাখিল করেন এবং বিশেষত্বনামা টাইপ করিবার জন্য নির্দিষ্ট ফি পরিশোধ করেন।

লঘুবন্ধনীর মধ্যে প্রদর্শিত তারিখ ১৯১১ ইং সনের পেটেন্ট ও ডিজাইন আইনের ৭৮ক ধারা/প্যারিস কনভেনশনের বিধান অনুযায়ী অগ্রাধিকার তারিখ রূপে দাবী করা হইতেছে এবং যে দেশে দরখাস্তটি প্রথম দাখিল করা হইয়াছে সেই দেশের নাম তৎসংগে উল্লিখিত হইয়াছে।

Notice is hereby given that all persons interested in opposing the grant of patent on any of the application referred to below may at any time within four months from the date this Gazette, give notice at the Department of Patents, Designs & Trademarks, (Patent & Design Wing), Ministry of Industries (5<sup>th</sup> Floor), 91, Motijheel C/A, Dhaka-1000, Bangladesh in the Prescribed form-6 of the Patents and Designs Rules, 1933.

The seven figures numbers shown in the right hand side are those given to the application on acceptance of the complete specifications and under which the specifications will printed and subsequent proceeding will be taken.

The complete specification of the accepted application are open to the public inspection at this office at any time on all working days, if required typed copies of the specifications can be supplied by this office on payment of the prescribed charge which may be ascertained on application to this office.

The Priority dates of the applications and the names of the countries in which the application to have been filed first are shown in the crescent brackets. The priority dates are claimed Under Section 78A of the Patents and Designs Act. 1911/provisions under this Paris Convention.

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| 06/2011  | Helmholtz-Zentrum für Umweltforschung GmbH-UFZ, of Permoser Str. 15, 04318 Leipzig, Germany.   | <p>“Method of detecting arsenic ions with indicator bacteria”</p> <p>Int. Cl. C12 Q 1/02</p> <p>1005244</p> <p>The present invention is concerned with a biologically based test system for the detection of inorganic and organic pollutants in water samples. In particular, the present invention is concerned with the development of a strategy for the control of background expression of biosensors in said biologically based test system. Furthermore, the present invention provides a test kit for determining concentrations of inorganic and organic pollutants in water samples, said test kits are suitable for field tests.</p>   |
| 16/2011  | EVOenergy LLC, a company duly organized and existing under the laws of U. S. A., of P.O. Box 548, Woodinville, WA 98072, U. S. A., [Priority date 29/01/2010 and Country; PCT] | <p>“PLASMA REACTOR FOR GAS TO LIQUID FUEL CONVERSION”</p> <p>Int. Cl. B01J 19/08</p> <p>C07 C 5/00</p> <p>1005245</p> <p>A non-thermal, repetitively-pulsed gliding discharge reactor includes a high voltage power source configured to provide a pulsed high-voltage potential; a gas inlet; a liquid sorbent inlet; a product outlet; a plurality of first electrodes connected to the high voltage power source; a plurality of second electrodes that are grounded; and a trough; the plurality of first electrodes being separated from the plurality of second electrodes by a discharge region.</p>  |
| 316/2010 | STAR SYRINGE LIMITED. a British company of one Vine Street, London, WIJ OAH, G.B., [Priority date 16 <sup>th</sup> December, 2009 and Country : G.B.]                          | <p>“A SYRINGE FOR DELIVERING MEDICATION THROUGH AN INTRAVENOUS PORT, OR FOR PROVIDING A COMBINATION OF MEDICATIONS”</p> <p>Int. Cl. A61 M 5/178</p> <p>A61 M 5/32</p> <p>1005246</p> <p>A syringe for delivering medication through an intravenous port, or for providing a combination of medications comprises a barrel having a plunger in slidable and sealing engagement therein, and a piercing member formed integrally with the barrel. The piercing member has a bore in communication with the distal end of the barrel, and a piercing point and at least one aperture at its distal end. The distal end of the barrel is also able to sealingly connect to a transport cap, an intravenous port or an injection needle. The distal end of the piercing member is removable and has an external recess and a corresponding internal step to define a separation plane for the distal end. The piercing member is used to draw up one of more medications into the barrel, and is then removed to enable the transport cap to be attached to seal the contents. For injection, the transport cap is removed and a standard needle attached. For delivery through an intravenous port, the transport cap is removed and the syringe attached to the port. The external recess and internal step enables the distal end to be removed with a minimum of force, and with a clean break, to reduce the risk of plastics particles entering the barrel.</p> |

272/2010	Formosa Saint Jose Corp., having a place of business at 1 <sup>st</sup> Fl., No.319, Jia Shing Street, Taipei 106, Chinese Taipei. [Priority date 22 <sup>nd</sup> October, 2009 and Country : Taipei]	<p>ÆA Touch Fastening Anti-Skidding Material and Method of Making the Same”</p> <p>Int. C1. A44 B 18/00 1005149</p>	<p>A touch-fastening and-skidding warp knitted fabric (10, 10a) comprising a foundation layer that has wales (A, A1, A2, B1, B2, B3) of the fabric (10, 10a) that comprise pliable base yarns (30a, 30b) and a plurality of discrete synthetic filaments (20a, 20b) knitted together. Each stitch of the synthetic filaments (20a, 20b) is looped around a previous stitch of the filament in the same wale and is subsequently cut to form a discrete length of the filament (20a, 20b) that comprises a “æU” shaped loop in the foundation layer and two legs projecting from the foundation layer by a predetermined distance which are used to constitute hooks. The Fabric may incorporate apertures or may be in a planar form without aperture.</p>
321/2010	Bayer Crop Science NV., a Public Limited company of J.E. Mommactslan 14, 1831 Diegem, Belgium. [Priority date 22 <sup>nd</sup> December, 2009 and Country: U.S. & EP]	<p>ÆHERBICIDE TOLERANT PLANTS”</p> <p>Int. CI. A01H 5/10 C12 N 15/29 C12 N 15/82 1005248</p>	<p>The present invention relates to Brassica plants comprising full knockout AHAS alleles and to brassica plant comprising a combination of full knockout AHAS alleles and AHAS alleles encoding herbicide tolerant AHAS proteins, nucleic acid sequences representing full knockout AHAS alleles, as well as methods for generating and identifying said plants and alleles, which can be used to obtain herbicide tolerant plants.</p>
36/2011	GRT, INC, a company of the United State of America having address at 861 Ward Drive, Santa Barbara, CA 93111, US. [Priority date: 1 <sup>st</sup> July, 2009 and Country: US]	<p>ÆCONTINUOUS PROCESS FOR CONVERTING NATURAL GAS TO LIQUID HYDROCARBONS”</p> <p>Int. C1. C10 G 2/00 C01 B 3/36 C07 C 1/04 1005249</p>	<p>A method comprising; providing a first halogen stream; providing a first alkane stream; reacting at least a portion of the first halogen stream with at least a portion of the first alkane stream in a first reaction vessel to form a first halogenated stream; providing a second alkane stream comprising C2 and higher hydrocarbons; providing a second halogen stream; and reacting at least a portion of the second halogen stream with at least a portion of the second alkane stream in a second reaction vessel to form a cesond halogenated stream.</p>
31/2011	GRT, INC, a company of the United State of America having address at 861 Ward Drive, Santa Barbara, CA 93111, US. [Priority date : 1 <sup>st</sup> July, 2009 and Country : US]	<p>ÆCONTINUOUS PROCESS FOR CONVERTING NATURAL GAS TO LIQUID HYDROCARBONS”</p> <p>Int. C1. C10G 2/00 C01 B 3/36 C07 C 1/04 1005250</p>	<p>A method comprising; providing a first halogen stream; providing a first alkane stream; reacting at least a portion of the first halogen stream with at least a portion of the first alkane stream in a first reaction vessel to form a first halogenated stream; providing a second alkane stream comprising C2 and higher hydrocarbons; providing a second halogen stream; and reacting at least a portion of the second halogen stream with at least a portion of the second alkane stream in a second reaction vessel to form a second halogenated stream.</p>

32/2011	GRT, INC, a company of the United State of America having address at 861 Ward Drive, Santa Barbara, CA 93111, US. [Priority date : 1 <sup>st</sup> July, 2009 and Country : US]	ÆCONTINUOUS PROCESS FOR CONVERTING NATURAL GAS TO LIQUID HYDROCARBONS” Int. C1. C10 G 2/00 C01 B 3/36 C07 C 1/04 1005251  A method comprising; providing a first halogen stream; providing a first alkane stream; reacting at least a portion of the first halogen stream with at least a portion of the first alkane stream in a first reaction vessel to form a first halogenated stream; providing a second alkane stream comprising C2 and higher hydrocarbons; providing a second halogen stream; and reacting at least a portion of the second halogen stream with at least a portion of the second alkane stream in a second reaction vessel to form a second halogenated stream.
33/2011	GRT, INC, a company of the United State of America having address at 861 Ward Drive, Santa Barbara, CA 93111, US. [Priority date : 1 <sup>st</sup> July, 2009 and Country : US]	ÆCONTINUOUS PROCESS FOR CONVERTING NATURAL GAS TO LIQUID HYDROCARBONS” Int. C1. C10 G 2/00 C01 B 3/36 C07 C 1/04 1005252  A method comprising; providing a first halogen stream; providing a first alkane stream; reacting at least a portion of the first halogen stream with at least a portion of the first alkane stream in a first reaction vessel to form a first halogenated stream; providing a second alkane stream comprising C2 and higher hydrocarbons; providing a second halogen stream; and reacting at least a portion of the second halogen stream with at least a portion of the second alkane stream in a second reaction vessel to form a second halogenated stream.
34/2011	GRT, INC, a company of the United State of America having address at 861 Ward Drive, Santa Barbara, CA 93111, US. [Priority date : 1 <sup>st</sup> July, 2009 and Country : US]	ÆCONTINUOUS PROCESS FOR CONVERTING NATURAL GAS TO LIQUID HYDROCARBONS” Int. C1. C10 G 2/00 C01 B 3/36 C07 C 1/04 1005253  A method comprising; providing a first halogen stream; providing a first alkane stream; reacting at least a portion of the first halogen stream with at least a portion of the first alkane stream in a first reaction vessel to form a first halogenated stream; providing a second alkane stream comprising C2 and higher hydrocarbons; providing a second halogen stream; and reacting at least a portion of the second halogen stream with at least a portion of the second alkane stream in a second reaction vessel to form a second halogenated stream.
35/2011	GRT, INC, a company of the United State of America having address at 861 Ward Drive, Santa Barbara, CA 93111, US. [Priority date : 1 <sup>st</sup> July, 2009 and Country : US]	ÆCONTINUOUS PROCESS FOR CONVERTING NATURAL GAS TO LIQUID HYDROCARBONS” Int. C1. C10 G 2/00 C01 B 3/36 C07 C 1/04 1005254  A method comprising; providing a first halogen stream; providing a first alkane stream; reacting at least a portion of the first halogen stream with at least a portion of the first alkane stream in a first reaction vessel to form a first halogenated stream; providing a second alkane stream comprising C2 and higher hydrocarbons; providing a second halogen stream; and reacting at least a portion of the second halogen stream with at least a portion of the second alkane stream in a second reaction vessel to form a second halogenated stream.

- 30/2011 GRT, INC, a company of the United State of America having address at 861 Ward Drive, Santa Barbara, CA 93111, US. [Priority date : 1<sup>st</sup> July, 2009 and Country : US] **ÆCONTINUOUS PROCESS FOR CONVERTING NATURAL GAS TO LIQUID HYDROCARBONS”**  
Int. C1. C10 G 2/00  
C01 B 3/36  
C07 C 1/04  
1005255  
A method comprising; providing a first halogen stream; providing a first alkane stream; reacting at least a portion of the first halogen stream with at least a portion of the first alkane stream in a first reaction vessel to form a first halogenated stream; providing a second alkane stream comprising C<sub>2</sub> and higher hydrocarbons; providing a second halogen stream; and reacting at least a portion of the second halogen stream with at least a portion of the second alkane stream in a second reaction vessel to form a second halogenated stream.
- 297/2010 BIJAM BIOSCIENCES PRIVATE LIMITED, an Indian company of Nagarjuna Hills, Punjagutta, Hyderabad-50082, India. **ÆA PLANT NUTRIENT OBTAINED FROM THE RICE HUSK AND A PROCESS OF PREPARATION THEREOF”**  
Int. C1. C05 D 9/02  
1005256  
The present invention relates to a plant nutrient comprising an extract of rice husk having dissolved silica 5 to 20% and a process for obtaining the same, wherein the alkali treatment with rice husk is affected with and/or adding hydrogen peroxide to the reaction mixture, resulting rice agro polymer with low silica.
- 56/2011 Focke & Co., (GmbH & Co. KG) SiemensstraBe 10, 27283 Verden, Germany, [Priority date: 10<sup>th</sup> March, 2010 and Country: Germany] **ÆPACK FOR CIGARETTES, AND METHOD AND APPARATUS FOR PRODUCING THE SAME”**  
Int. C1 B65 D 85/10  
B65 D 75/60  
B65D 75/54  
1005257  
The invention relates to a pack for cigarettes, having pack contents, in particular a cigarette group enclosed by an outer wrapper, in particular made of preferably aroma-tight and moisture-tight thermally sealable sheet material, in the manner of a tubular-bag pack. According to the invention, it is provided that the outer wrapper has a multiple-use opening means, and that the pack contents are covered, at least in certain regions, by a collar made of material which can be subjected to heat and pressure, the covering forming an inner blank and extending over the entire length of the pack contents. The invention also relates to a suitable method and corresponding apparatuses for producing such packs.
- 301/2010 Gujarat Foils Limited (A company incorporated under the laws of India) 3436-3439, Chhatral, G.I.D.C. Phase-IV, Tal. Kalol Dist-Gandhinagar Gujarat-382729 India. **ÆEMBOSSSED FOIL FOR PRESERVING AND PACKING FOOD”**  
Int. C1. B65 D 85/76  
1005258  
A metal foil for preserving and packaging food stuffs, wherein at least one side of the metal foil is embossed with an embossing pattern, the embossing pattern comprising: a plurality of outer polygons, wherein the plurality of outer polygons is interconnected on the sides to form a continuous symmetric network on the at least one side of the metal foil; and, a plurality of inner polygons, wherein the plurality of inner polygons is enclosed within the plurality of outer polygons.

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| 306/2010 | Bangladesh Council of Scientific & Industrial Research (BCSIR), Dr. Qudrat-i-Khuda Road, Dhaka-1205, Bangladesh   | <p>ÆA PROCESS FOR THE PREPARATION OF MALTED ENERGY FOOD (CHOCOLATE)”</p> <p>Int. C1. A23 G 1/00<br/>1005259</p> <p>Malted energy food (Chocolate) is a instant drink. In this process, malted barley (17kg), wheat (10kg), mungbean (10kg), sugar (35kg) powder milk (12kg), calcium carbonate (03kg), cocoa powder (12kg) and salt (1.0kg) were mixed to prepare 100kg malted energy food. Among nutritional &amp; mineral analysis, this product contain protein 10.50%, calorie 388.14 kcal., calcium 1288mg/100g, phosphorus 248.00mg/100g and iron 10.50mg/100g. So the product is rich in calorie and calcium and inexpensive also. Using malting technology, digestibility, nutrition quality and palatability of this product was increased remarkably.</p>                        |
| 10/2011  | BAYER CROPSCIENCE AG., a German Company of Alfred-Nobel-Strasse 50, 40789 Monheim am Rhein, Germany [Priority Date: 4 <sup>th</sup> February, 2010 and Country: E.P.]                           | <p>ÆA METHOD FOR INCREASING PHOTOSYNTHETIC CARBON FIXATION USING GLYCOLATE DEHYDROGENASE MULTI-SUBUNIT FUSION PROTEIN”</p> <p>Int. C1. C12 N 15/52<br/>C12 N 15/82<br/>C12 N 9/04<br/>1005260</p> <p>The invention relates to a method for stimulating the growth of the plants and/or improving the biomass production and/or increasing the carbon fixation by the plant comprising introducing into a plant cell, plant tissue or plant one or more nucleic acids, wherein the introduction of the nucleic acid(s) results inside the chloroplast of a de novo expression of one or more polypeptides having the enzymatic activity of a glycolate dehydrogenase made up from translationally fused subunits of bacterial multi-subunit glycolate dehydrogenase enzymes.</p>            |
| 22/2011  | DyStar Colours Deutschland GmbH. (A company organized under the laws of Germany) D-65926 Frankfurt am Main, Germany. [Priority Date: 2 <sup>nd</sup> March, 2010 and Country: U.S.]             | <p>ÆMIXTURES OF FIBER-REACTIVE AZO DYES.”</p> <p>Int. C1. D06 P 1/384<br/>C09 B 67/22<br/>1005261</p> <p>The present invention provides novel dye mixtures containing a dye formula (I) and a dye of the formulae (II) where Z is -CH=CH<sub>2</sub> or -CH<sub>2</sub> CH<sub>2</sub>Z<sub>1</sub> and Z<sub>1</sub> is hydroxyl or an alkali-eliminable group; and M is hydrogen, an alkali metal or one equivalent of an alkaline earth metal. The invention also relates to a process for their preparation and their use. The novel dye mixtures are notable in particular for high yield of fixation and ready washoff for portions not fixed on the fiber. In addition, the dyeing exhibit good general fastnesses, for example high lightfastness and very good wetfastnesses.</p> |
| 42/2011  | Arla Foods Amba, a company duly organized and existing under the laws of Denmark of Sonderhoj 14, DK-8260 Viby J, Denmark. [Priority Date: 10 <sup>th</sup> December, 2010 and Country: Danish] | <p>ÆFilled Milk”</p> <p>Int. C1. A23 C11/00<br/>A23 C 11/08<br/>1005262</p> <p>The present invention relates to filled milk products comprising sweet buttermilk solids, vegetable lipid and one or more additional carbohydrate sources. The invention furthermore relates to method of preparing such filled milk products.</p>  |

- 45/2011 TANAKA KIKINZOKU KOGYO K.K. (a Company incorporated under the laws of Japan) Tokyo Building 7-3, Marunouchi 2-chome Chiyoda-ku, Tokyo, Japan. [Priority Date: 18<sup>th</sup> February, 2010 and Country: Japan.]
- ÆMETHOD OF DETECTING PORK IN PROCESSED FOOD AND DETECTION KIT THEREFOR”
- Int. C1. G01 N 33/12  
G01 N 33/53  
G01 N 33/543  
1005263
- To provide preparation of an ingredient derived from a specimen optimal for detecting by immunoassay pork in heated food with high performance and high sensitivity without causing non-specific reaction, convenient and high-accuracy detection method using a polyclonal antibody obtained by using the ingredient, and a detection kit therefore. When a target to be detected in a sample, pork-derived protein in heat-processed food, is detected by immunochromatography, a polyclonal antibody specifically recognizing a protein of approximately 23 kD (molecular weight: 23000) contained in heat-treated pork is used as at least one of both detection antibodies.
- 48/2011 TANAKA KIKINZOKU KOGYO K.K. (a Company incorporated under the laws of Japan) Tokyo Building 7-3, Marunouchi 2-chome Chiyoda-ku, Tokyo, Japan. [Priority Date: 25<sup>th</sup> February, 2010 and Country: Japan.]
- ÆMETHOD OF DETECTING RAW PORK AND DETECTION KIT THEREFOR”
- Int. C1. G01 N 33/12  
G01 N 33/53  
G01 N 33/543  
1005264
- To provide preparation of a detection antibody optimal for detecting by immunoassay raw pork in non-heated food with high performance and high sensitivity without causing non-specific reaction, a convenient and high-accuracy detection process using the detection antibody, and a detection kit therefore. Provided is an immunochromatographic detection process of a protein derived from raw pork in non-heated food using an antibody specifically recognizing immunoglobulin G contained in raw pork in non-heated food as a detection antibody, an immunochromatography, detection apparatus for conducting the detection process, and an immunochromatographic detection kit.
- 53/2011 SICPA HOLDING SA (A Company incorporated under the laws of Switzerland) Avenue de Florissant 41, 1008 Prilly, Switzerland. [Priority Date: 3<sup>rd</sup> March, 2010 and Country: WO]
- ÆSecurity Thread or Stripe Comprising Oriented Magnetic Particles in Ink, and Method and Means for Producing Same”
- Int. C1. B32 B 5/16  
G03 G 19/00  
H01 F 1/01  
B42 D 15/10  
1005265
- The present invention concerns a security thread or stripe for the incorporation into or onto a value-document or currency substrate, as well as a method and means of making such thread or stripe. The thread stripe comprises a plastic foil which carries a hardened coating comprising oriented magnetic or magnetizable pigment particles, the orientation. Preferred are optically variable magnetic or magnetizable pigment particles. Said hardened coating may also be comprised between a first and a second plastic foil. Said graphic information is a repetitive seamless pattern of suitable repetition length, which is produced using a magnetic orienting cylinder having a corresponding repetitive seamless magnetic field pattern. A magnetic orienting cylinder and a process for process for producing such magnetic orienting cylinder are also disclosed. The process comprises the coating of a cylindrical support body with a polymer material comprising a high-coercivity permanent-magnetic power as a filler material, and magnetizing or engraving the seamless outer cylinder surface to form on the cylinder a repetitive seamless outer cylinder surface to from on the cylinder a repetitive seamless magnetic field pattern.

- 338/2010 AGRINOS AS, a Norwegian company of Fornebuveien 1, N-1366 Lysaker, Norway, [Priority Date: 23<sup>rd</sup> December, 2009 and Country: US] **ÆBIODEGRADATION PROCESS AND COMPOSITION”**  
Int. C1. A23 K 1/10  
C12 N 1/00  
1005266  
Disclosed are novel microbial compositions and biodegradation processes to treat marine animal or marine animal by products to produce solid, liquid and lipid fractions that contain useful.
- 25/2011 AGNVSA RAMACHANDRA RAO, an Indian National of Sankar Towers, Powerpet, ELURU, Andhra Pradesh, 534 002, India. [Priority Date: 1<sup>st</sup> February, 2010 and Country: India] **ÆIMPROVED AROMATIC PAPER MOSQUITO REPELLANT AND A METHOD OF PREPARING IT”**  
Int. C1. G01 N 33/00  
1005267  
The invention relates to an improved aromatic paper mosquito repellent which does not catch fire but smolders and burns uniformly and constantly, repels mosquitoes retaining the aroma for a longer period of time. The improved aromatic paper mosquito repellent which comprises a paper stick/straw/coil and any other desired shape having a coating of a composition comprising of an aqueous solution of potassium nitrate (salitre) chromium nitrate, lead nitrate, ammonium ceric nitrate, copper nitrate, sodium nitrate iron nitrate, the nitrates being present alone or in their combination thereof, desired water soluble perfumery compound/water insoluble perfumery compound, an anti fungus agent and allithrin. The invention also provides a method of making the aromatic paper mosquito repellent.
- 61/2011 (i) HAN BAEK CO. LTD., of 17-30 Docheon-dong, Gwangsan-gu, Gwangju, Korea, (ii) YUN HYUB of 102-dong, 304-ho, Dongbu Centreville Apt., Pungam-dong, Seo-gu, Gwangju, Korea, (iii) JEON SUNG JIN of 105-dong, 2103-ho, Gwangmyeong, Heights Apt., Sangmu 1-dong, seogu, Gwangju, Korea. (iv) PARK IN SUP of 101-dong, 101-ho, Yongbong 1-Park Apt., 1465 Yongbong-dong, Buk-gu, Gwangju, Korea. [Priority Date: 17<sup>th</sup> September, 2010 and Country: Korea] **ÆDRILLING MACHINE WITH EXPANSIVE BIT MOUNTED THEREON AND DRILLING METHOD USING THE SAME”**  
Int. C1. E21 B 702  
1005268  
The present invention relates to a drilling machine with an expansive bit mounted thereon including; a hydraulic oil supply part adapted to supply hydraulic oil; a water supply part adapted to supply water; a body frame having an elevator support bar, an elevator adapted to be moved upwardly and downwardly by means of the guide of the elevator support bar, and an elevator drive part adapted to drive shaft connected to the hydraulic motors and adapted to be driven by the hydraulic motors; the expansive bit having a drill frame connected to the drive shaft, an expansive hydraulic cylinder mounted inside the drill frame, expansive plates adapted to be protruded outwardly from the sides of the hole drilled, and pressurizing plates connected to the expansive plates and adapted to receive the operation of the expansive hydraulic cylinder to allow the expansive plates to be protruded outwardly from the sides of the drill frame; and a turning joint connected to the drive shaft and adapted to receive the hydraulic oil and water from the hydraulic oil supply part and the water supply part and to supply the received hydraulic oil and water to the expansive hydraulic cylinder and the front end of the expansive bit.



70/2011	Loesche GmbH, A.G. Co., Hansaallee 243, 40507 Dusseldorf (German Wording Dusseldorf) Germany. [Priority Date: 23 <sup>rd</sup> April, 2010 and Country: German]	ÆMETHOD FOR COMMINATION OF MILL FEED”  Int. C1. B02 C 1/00 B02 C 2/00 1005269	The invention relates to a method for comminution of mill feed, in particular for the cement industry, wherein the grinding material is subjected in a mill, in particular an air swept roller mill, to a grinding-drying with supply of a hot gas, is classified and fed as a dust-gas mixture to a filter for dust separation. In order to improve the energy balance and to save heat energy which is generated using a hot gas generator it is provided that fresh gas or fresh air, which is admixed for removal of the moisture of the grinding material in a predefinable portion to the re-circulated hot gas or process gas, is preheated before admixing. The preheating of the fresh gas takes place in a heat exchanger through transfer of the heat energy of the exhaust gas to be substituted which is then discharged at a lower temperature to the environment. The preheated fresh gas is fed to the grinding circuit and admixed to the recirculation gas at the required points, for example as combustion air or via fresh air dampers, before or in the mill.
78/2011	Vestergaard Frandsen SA, Chemin Messidor 5-7, CH- 1006 Lausanne, Switzerland [Priority Date: 7 <sup>th</sup> April, 2010 and Country: PCT]	ÆA Biocidal Polyolefin yarn with 3-12 filaments”  Int. C1. A01 N 25/10 A01 N 25/22 A01 N 25/34 1005270	A multifilament thermoplastic polymer yarn, into which a biocide, especially an insecticide, is incorporated, where the number of filaments is 3 to 12. The yarn is especially useful for a long lasting insecticidal net with polypropylene yarns containing Deltamethrin.
79/2011	Vestergaard Frandsen SA, Chemin Messidor 5-7, CH- 1006 Lausanne, Switzerland [Priority Date: 7 <sup>th</sup> April, 2010 and Country: PCT]	ÆA Biocidal acid-adjusted Polypropylene”  Int. C1. A01 N 25/10 A01 N 25/22 A01 N 25/34 1005271	A method for providing long term stability for an alkaline-sensitive biocide in a polypropylene product by incorporating the biocide, for example, Deltamethrin, together with an acid in a polymer matrix with polypropylene.
93/2011	FOURIE, Louis Johannes, (A South African citizen) 19 Monte Carlo Drive, Highveld X7, Centurion, South Africa. [Priority Date: 26 <sup>th</sup> April, 2010 and Country: South Africa]	ÆA METHOD AND APPARATUS FOR MAKING LOW PHOSPHOROUS IRON”  Int. C1. C21 B 11/08 C21 B 13/10 C21 B 3/02 1005272	The patent discloses a furnace for producing low phosphorous iron. The furnace includes a shell lined with refractory material, and includes a hearth, floor, roof, at least one side wall, at least one tap hole, at least one feed port for charging raw material into the furnace and at least one channel type induction heater located in the floor of the furnace communicating with the hearth through a throat. The hearth is configured to operatively contain a bath of liquid metal which is at least partly heated by the induction heater, and the bath has a width of at least 0.8m a depth at least 0.2m, and the length of the furnace is at least 2m. The feed port is configured to charge raw material into the furnace distal from the throat and above the bath of liquid metal such that in combination with the angle of repose of the raw material the raw material covers at least 50% of the upper surface of the bath. The induction heater is configured to have a power rating of less than about 150 kWm <sup>2</sup> at the interface between the raw material and the upper surface of the bath, to operatively melt slag with a constitution configured to have a melting point below 1450°C

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| 69/2010  | SICPA HOLDING SA (A Company incorporated under the laws of Switzerland) Avenue de Florissant 41, 1008 Prilly, Switzerland. [Priority Date: 2 <sup>nd</sup> April, 2009 and Country: WO] | <p style="text-align: center;">ÆIdentification and Authentication using Polymeric Liquid Crystal Material Marking”</p> <p style="text-align: center;">Int. C1. C09 D 11/10<br/>G06 K 1/12<br/>G07 D 7/12<br/>1005274</p> <p>The present invention relates to a marking of polymeric liquid crystal material having determined optical characteristics allowing its authentication and reading by a machine and its authentication by the human eye. The marking is applied onto an item, good or article by a variable information printing process. The marking is in the form of indicia representing a unique code which allows for an easy authentication by the human eye and a secure tracking and tracing of the marked item, good or article throughout its life cycle.</p>  |
| 812/2010 | Pailung (hubei) manufacturing Co., Ltd., a People’s Republic of China Company of Huangzhou Boulevard, Xihu Industrial Zone, Huanggang City, Hubei, People’s Republic of China.          | <p style="text-align: center;">ÆCIRCULAR KNITTING MACHINE HAVING INTEGRATED MULTIPLE YARN ALTERATION APPARATUS”</p> <p style="text-align: center;">Int. C1. D04 B 15/58<br/>1005275</p> <p>A circular knitting machine having an integrated multiple yarn changing apparatus comprises a first yarn changing apparatus, a second yarn changing apparatus, and a driving cam set. The first and second yarn changing apparatus include respectively at least one yarn feeding means which is moved outwards through a first yarn feeding stroke and a second yarn feeding stroke to a yarn feeding position. The driving cam set includes a first driving track and second driving track to respectively drive the yarn feeding means to proceed the first and second yarn the yarn feeding means to proceed the first and second yarn feeding strokes. The second driving track has a driving delay zone to generate a yarn feeding time lag between the first and second yarn feeding strokes. Knitting needles located between the first and second yarn feeding means are guided to a yarn hooking position to respectively hook the yarn due to the yarn feeding time lag.</p>   |
| 180/2010 | Bangladesh Council of Scientific and Industrial Research (BCSIR), Dr. Qudrat-i-Khuda Road, Dhanmondi, Dhaka-1205, Bangladesh.   | <p style="text-align: center;">ÆDevelopment of sodium doped hydroxyapatite bio-ceramic power from egg shell”</p> <p style="text-align: center;">Int. C1. B32 B 3/26<br/>A61 F 2/02<br/>A61 L 33/00<br/>1005276</p> <p>ÆBio-ceramic materials” are the ceramic materials which are biocompatible and extensively used in bone tissue engineering, bone substitution, and dentistry fields. Bio-ceramic materials possess excellent Biocompatible and osteoconductive properties which lead the researchers to develop synthetic bio-ceramic materials. Among the bio-ceramic materials, hydroxyapatite (HA) which is biocompatible calcium phosphate based bio-ceramic material, has now received significant attention to the researchers as it mimics various properties of natural bone apatite. Considering the importance of bio-ceramic materials, sodium doped hydroxyapatite bio-ceramic material has been developed from waste egg shell. This developed sodium doped hydroxyapatite can be used as bone substitute implant material in the field of orthopedics. So far all the bio-ceramic materials used for orthopedics and dentistry fields in our country are imported, which costs a lot of foreign exchange. Hence development and application of sodium doped biomaterials will no doubt be a significant step forward in the context of our country.</p> |

- 181/2010 Bangladesh Council of Scientific and Industrial Research (BCSIR), Dr. Qudrat-i-Khuda Road, Dhanmondi, Dhaka-1205, Bangladesh.
- ÆDevelopment of iron doped hydroxyapatite bio-ceramic power from egg shell”**
- Int. C1. B32 B 3/26  
A61 F 2/02  
A61 L 33/00  
1005277
- ÆBio-ceramic materials” are the ceramic materials which are biocompatible and extensively used in bone tissue engineering, bone substitution, and dentistry fields. Bio-ceramic materials possess excellent biocompatible and osteoconductive properties which lead the researchers to develop synthetic bio-ceramic materials. Considering the importance of bio-ceramic material, iron doped hydroxyapatite bio-ceramic material has been developed from waste egg shell. This developed iron doped hydroxyapatite can be used as bone substitute implant material in the field of orthopedics. So far all the bio-ceramic materials used for orthopedics and dentistry fields in our country are imported, which costs a lot of foreign exchange. Hence development and application of iron doped biomaterials will no doubt be a significant step forward in the context of our country.
- 182/2010 Bangladesh Council of Scientific and Industrial Research (BCSIR), Dr. Qudrat-i-Khuda Road, Dhanmondi, Dhaka-1205, Bangladesh.
- ÆDevelopment of zinc doped hydroxyapatite bio-ceramic power from egg shell”**
- Int. C1. B32 B 3/26  
A61 F 2/02  
A61 L 30/00  
1005278
- ÆBio-ceramic materials” are the ceramic materials which are biocompatible and extensively used in bone tissue engineering, bone substitution, and dentistry fields. Bio-ceramic materials possess excellent Biocompatible and osteoconductive properties which lead the researchers to develop synthetic bio-ceramic materials. Among the bio-ceramic materials, hydroxyapatite (HA) which is biocompatible calcium phosphate based bio-ceramic material, has now received significant attention to the researchers as it mimics various properties of natural bone apatite. Considering the importance of bio-ceramic materials, zinc doped hydroxyapatite bio-ceramic material has been developed from waste egg shell. This developed zinc doped hydroxyapatite can be used as bone substitute implant material in the field of orthopedics. So far all the bio-ceramic materials used for orthopedics and dentistry fields in our country are imported, which costs a lot of foreign exchange. Hence development and application of iron doped biomaterials will no doubt be a significant step forward in the context of our country.
- 112/2011 UNIVERSITY KEBANGSAAN MALAYSIA (UKM), Centre for collaborative innovation, UKM 43600, Bangi Selangor, Malaysia, [Priority date: 25<sup>th</sup> January, 2011 and Country: Malaysia.]
- ÆA Solar Charger”**
- Int. C1. H02 J 7/35  
1005279
- The present invention generally relates to a ubiquitous solar photovoltaic charger for charging cellphones and small electronic appliances. The electrical power is obtained from solar energy, where a solar photovoltaic panel 100 is used to capture the solar energy to directly convert it to electrical energy. The present invention provides solution for quick-charging cellphones and other electronic appliances that uses certain voltage rated storage batteries in areas where the ordinary electric power is not present.

02/2011

Bangladesh Council of Scientific and Industrial Research (BCSIR), Dr. Quadrat-i-Khuda Road, Dhaka-1205, Bangladesh.

ÆFABRICATION OF SOLAR DRYER FOR PRESERVATION OF FRUITS, VEGETABLES AND SPICES.”

Int. C1. F26 B 19/00  
1005280

Cabinet type solar like a box having six surfaces. It is fabricated by cost effective indigenous raw materials (bamboo, wood, plywood etc). The top surface is covered with transparent polyethylene sheet, glass or acrylic sheet which allows the sunlight inside the dryer. The frame of a 2m x 0.85m sized solar dryer is length 2m, breadth=0.85m rare height-081m and front height 0.51m, which frame is made by bamboo, wood or plywood. This dryer from panel (length x breadth=2m x 0.3m), rear panel (length x breadth 2m x 0.6m), side panel (length x breadth = 0.6m in rare and 0.3m in front) x (0.85m) Bottom panel (length x breadth = 2m x 0.85m) and try (length x breadth = 0.6m x 0.6m). Hay straws (Scm thick) are used inside the mats as insulator. Sun ray enter in to the dryer through the top cover of polyethylene or glass sheet. Inside the dryer is painted with black color to absorb heat from the sun. Air enters in to the dryer through the holes of the panel especially the bottom panel, then this air become hot. This hot air absorbs moisture from food of the tray and then this moist hot air come out through the upper holes (2.5 cm diameter) of rare panel and side panels. Thus the food dries gradually in the dryer.

80/2011

First Green Park Pty Ltd., a company duly organized and existing under the laws of Australia of 35 Robins Avenue, Humevale Victoria 3757, Australia. [Priority date: 7<sup>th</sup> April, 2010 and Country: Australia]

ÆMethod and Apparatus for Salt Production”

Int. C1. B01 D 9/02  
B01 D 1/00  
1005281

The specification discloses a method of producing one or more precipitable substances such as salt (NaCl) from a feed liquid source (43) (such as sea water) in a precipitation apparatus (40), the method involving steps of providing a first solar energy treatment arrangement (41) having at least one treatment panel construction (42) having an upper solar energy transmission wall capable of passing solar energy to a treatment member located beneath the upper solar energy transmission wall, the or each said treatment panel construction (42) being arranged to receive liquid from the feed liquid source (43), the method further sensing via a sensor (51) the density of the treatment liquid discharged from the first solar energy treatment arrangement (41) returning the liquid discharged from the first solar energy treatment apparatus to an inlet region of the first solar energy treatment apparatus (41) if the sensed density is below a first predetermined density level, passing liquid discharged from said first solar energy treatment arrangement (42) to a final solar energy treatment arrangement (10, 10) having at least one final treatment panel construction (10, 10) having an upper solar energy transmission wall (15,98) capable of passing solar energy radiation to a treatment member (19,27,89), distributing treatment liquid across a surface region of the treatment member (19,27,89) whereby a precipitable substance is precipitated onto the surface region and subsequently removing the precipitable substance.

- 339/2010 COLOURTEX INDUSTRIES LIMITED, Address: Survey No 91, Paikee Bhestan, Navasari-Surat Road, Surat-395 023, Gujarat, India, [Priority date: 23<sup>rd</sup> December, 2009 and Country: India] **ÆDISPERSE AZO DYES”**  
Int. C1. D06 P 1/16  
C09 B 29/01  
C09 B 29/039  
C09 B 29/045  
C09 B 29/08  
D06 P 3/54  
1005282
- The present invention is directed to a disperse dye of formula (1) Wherein, X, Y and Z are, independently, hydrogen, cyano, nitro or SO<sub>2</sub>F; Wherein at least one of X, Y and Z is SO<sub>2</sub>F, R1 hydrogen, methyl, hydroxyl or NHR<sub>4</sub> R2 is hydrogen, chloro or methoxy; R3 is hydrogen, (C1-C4)-alkyl or -CH<sub>2</sub> (CH<sub>2</sub>)<sub>1</sub> COOCH<sub>2</sub>CN; R5 is hydrogen, (C1-C4)-alkyl or -CH<sub>2</sub> (CH<sub>2</sub>)<sub>10</sub> COOCH<sub>2</sub>CN; R4 is -COCH<sub>2</sub>CH<sub>3</sub>, -CO C<sub>2</sub>H<sub>5</sub>-SO<sub>2</sub>CH<sub>3</sub> or SO<sub>2</sub>C<sub>2</sub>H<sub>5</sub>; n and m are independently 0,1 or 2 with the proviso; When, Y and Z both are C1, R1 is other than methyl. When, R2 is Hydrogen and R3, R4 both are alkyl, R1 is selected from NHSO<sub>2</sub>CH<sub>3</sub> or NHSO<sub>2</sub>C<sub>2</sub>H<sub>5</sub>. Disperse dyes of Formula (1) have excellent washing fastness and light fastness on polyester fiber and polyester blends.
- 315/2010 Nokia Siemens Networks Oy, a company duly organized and existing under the laws of Finland of Karaportti 3, 02610 Espoo, Finland. [Priority Date: 18<sup>th</sup> December, 2009 and Country: PCT] **ÆMANAGEMENT METHOD AND APPARATUSES”**  
Int. C1. HO4 W 44/08  
1005283
- After a successful authentication in a femto system, a home base station management system is used to send configuration data to a home base station and manage the home base station over a secured management connection. The configuration data stored in the management system is classified into two types: (a) Device-related configuration data, which are indexed by a device ID; and (b) subscriber/user-related configuration data, which are indexed by a subscriber ID. The management system sets up a binding relationship between device ID of the home base station and the subscriber/user identity of the USIM/SIM installed in the home base station. Then the management system generates full configuration data for the home base station based on the combination of the binded IDs. In other works, the full configuration data contains device-related configuration data selected from the classified configuration data based on the binded subscriber/user ID. The management system then sends this full configuration data to the home base station.
- 340/2010 Colourtex Industries Limited, Address: Survey No 91, Paikee Bhestan, Navasari-Surat Road, Surat-395 023, Gujarat, India. [Priority date: 23<sup>rd</sup> December, 2010 and Country: India.] **ÆDISPERSE AZO DYES”**  
Int. C1. D06 P 1/16  
C09 B 29/01  
C09 B 29/039  
C09 B 29/045  
C09 B 29/08  
1005284
- Novel disperse dyes of formula and processes for preparation thereof. These dyes possess superior washing fastness, sublimation fastness and light fastness.
- 118/2011 First Green Park Pty Ltd., a company duly organized and existing under the laws of Australia of 35 Robins Avenue, Humevale Victoria 3757, Australia. [Priority date: 26<sup>th</sup> May, 2010 and Country: Australia.] **ÆSOLAR STILL ELEMENT STRUCTURE”**  
Int. C1. B01 D 1/00  
B01 D 3/00  
C02 F 1/14  
1005285
- The specification discloses a treatment member (40) for use in a solar treatment device (10) to be placed in a treatment liquid flow (28) subject to solar energy radiation, the treatment member (40) having at least one and conveniently two material layers (41, 42) with a metal dispersed substantially across the at least one material layer (41,42) an intermediate layer (43) of dispersed metal particles or discrete fibres, mesh, sheet or foil material being perforated or not perforated.

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| 76/2011 | Nokia Siemens Networks Oy,<br>a company duly organized and<br>existing under the laws of<br>Finland of Karaportti 3, 02610<br>Espoo, Finland. [Priority Date:<br>9 <sup>th</sup> April, 2010 and Country:<br>PCT] | <p style="text-align: center;"><b>æNetwork Nodes”</b></p> <p style="text-align: center;">Int. C1. H04 L 12/24<br/>H04 W 76/02<br/>H04 W 84/04<br/>1005286</p> <p>A method of establishing connectivity between a relay node and an OAM entity in a communications network, the method comprising the steps of, establishing a connection network; addressing communications to the OAM entity defined as residing in an OAM subnet via a gateway in the user plane; and routing the communications from the user plane to the OAM subnet.</p>  |
| 01/2011 | Bangladesh Council of<br>Scientific and Industrial<br>Research (BCSIR), Dr.<br>Qudrat-i-Khuda Road,<br>Dhaka-1205, Bangladesh.  | <p style="text-align: center;"><b>æA PROCESS FOR THE PRODUCTION OF<br/>DEHYDRATED BITTER GOURD”</b></p> <p style="text-align: center;">Int. C1. A23 G 03/48<br/>1005287</p> <p>Bitter gourd (<i>Momordica charantia</i>) is a popular and all season vegetables. Due to it's medicinal properties and wide range of use as food attempt has been made to preserve this for a long period. To increase shelf-life bitter gourd was washed, sliced and boiled in hot water at 80°C for 4-5 minutes to inactivate enzymatic activity. Then bitter gourd was cooled, deeped in 1% sodium metabisulphite and was dried in mechanical drier at 50-60°C for 3-4 hrs. Finally bitter gourd was packed in laminated aluminium foil and kept at ambient temperature. Moisture, properties such as appearance, color, flavor, texture, taste and physical properties where also assessed. Dehydrated bitter gourd reconstitute with in 30 minutes in boiling water (Dehydrated bitter gourd : water =1: 18), By assessing all parameters it is revealed that the product is acceptable for six months.</p>  |
| 03/2011 | M. Saifuddin Chowdhury,<br>Address:-House No-54/A,<br>Road No-132, Gulshan-1,<br>C/A, Dhaka, Bangladesh.  | <p style="text-align: center;"><b>æThe Novel Process of Cellular/Mobile Phone Banking<br/>(MPB)”</b></p> <p style="text-align: center;">Int. C1. G06 F 15/173<br/>G06 F 9/455<br/>G06 F 3/048<br/>1005288</p> <p>The banking system which is done by our discussed very wide range ICT based Super Computer or ESIMSATC core and cellular/Mobile phone set with net-work by SMS/ESB command to transfer EVM/Digital money one account to another account is Cellular/Mobile phone banking. The Cellular/Mobile phone banking (MPB) occurs tremendous developments of peoples, countries and the world's financial sector by exchanging an advance banking transaction process, speedy transfer or the transaction (banking) from any where of the country or the world by ensuring people account handling right as a result all the money of the country will be deposited to the bank. It is nothing but the digitalization of full economics of the country and the world.</p>  |
| 81/2011 | TATA MOTORS LIMITED<br>Bombay House, 24 Homi<br>Mody Street, Hutatma Chowk,<br>Mumbai 400 001<br>Maharashtra, India. [Priority<br>date: 8 <sup>th</sup> April, 2010 and<br>Country: India]                        | <p style="text-align: center;"><b>æLow Emission Indirect Injection Diesel Engine”</b></p> <p style="text-align: center;">Int. C1. F02 B 15/00<br/>F62 B 19/10<br/>1005289</p> <p>Low emission indirect injection diesel engine comprise of engine hardware, after treatment system &amp; electronic emission control control devices. The hardware comprises of EGR cooler &amp; EGR valve which provide proportional EGR into the engine. Various sensors that provide input signals to the EGR controller are also incorporated into the engine suitably. The EGR controller regulates EGR depending upon various inputs received from sensors mounted on the engine. In addition, the EGR controller is programmed with special strategies which protect the engine under extreme operating conditions. The onboard diagnostic feature provides an indication to the driver regarding system malfunction. The after treatment system comprises of a diesel oxidation catalyst &amp; partial particulate filter. The combination of diesel oxidation catalyst &amp; partial particulate trap is optimized in such a way that it results in regeneration on a continuous basis.</p> |

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| 84/2011  | TATA CHEMICALS LIMITED., an Indian company of Bombay House 24 Homi Modi Street, Mumbai-400001, India.   | <p style="text-align: center;">ÆA PROCESS FOR FORMING A RICE HUSK ASH COMPOSITION ”</p> <p style="text-align: center;">Int. C1. B01 J 20/06<br/>B01 J 20/28<br/>B01 J 20/32<br/>1005290</p> <p>The invention relates to a process comprising binding silver to rice husk ash by adding to the rice husk a silver precursor, and reducing the silver ions bonded to the rice husk ash by a reducing agent to obtain rice husk ash with bonded silver nanoparticles.</p>  |
| 115/2011 | UNILEVER PLC, a company registered in England and Wales under company no. 41424 of Unilever House, 100 Victoria Embankment, London, BC4Y ODY, GB, Formerly of Unilever House, Blackfriars, London, BC4P 4BQ, United Kingdom. [Priority date : 31 <sup>st</sup> May, 2010 and Country : India] | <p style="text-align: center;">ÆA WATER PURIFICATION DEVICE ”</p> <p style="text-align: center;">Int. C1. B01 D 17/12<br/>1005291</p> <p>The invention relates to a water purification device and in particular to a water purification device that may be used as a gravity fed system or adapted to be connected to the main water supply. The present water purification device is capable of dosing a controlled of a biocide to the water and has a filtration unit that functions as a filter-cum-biocide-scavenger. The water purification device provides several advantages over the prior art especially in terms of reducing the number of replaceable parts without affecting the performance in terms of microbial safety of flow rate. Another advantage of the system is that it can be adapted for use with liquid biocides.</p>  |
| 43/2011  | Vi. Be. Mac. S.p.A., (A company organized under law of Italy) Via Monte Pastello, 7/1-37057 SAN GIOVANNI LUPATOTO (Verona), Italy. [Priority date : 19 <sup>th</sup> February, 2010 and Country : Italy]  | <p style="text-align: center;">ÆMACHINE FOR FORMING AND IRONING FOLDS IN PIECES OF CLOTH”</p> <p style="text-align: center;">Int. C1. D06 F 89/02<br/>D06 F 69/04<br/>D06 F 69/02<br/>1005292</p> <p>Machine for forming and ironing folds in pieces of cloth, comprising a plate frame on which there are fixed ; a support and pressure system for supporting and pressing a template on which the piece of cloth to be worked is put, a moving system for moving a blocking plate which blocks the piece of cloth to be worked by beating the template a guide system for guiding at least a folding element which folds the outer edges of the piece of cloth, an ironing plate with moving means which is put on the piece of cloth having the outer edges folded so as to iron said edges in position. The guide system comprises at least a guide profile fixed on the plate frame and at least a translating arm which is translated according to a longitudinal direction by moving means and comprising a roller and a folding element said at least an arm being under pressure towards the at least a guide profile through pressing means, so that the roller beats and slides along the edge of the at least a guide profile. In this way, the folding element follows the movement of the at least an arm according to the outline of the edge of the guide profile and moves according to the longitudinal direction and a transversal direction.</p> |
| 86/2011  | TATA CHEMICALS LIMITED., an Indian company of Bombay House 24 Homi Modin Street, Mumbai-400001, India.  | <p style="text-align: center;">ÆA PROCESS FOR FORMING A RICE HUSK ASH COMPOSITION”</p> <p style="text-align: center;">Int. C1. F23 G 5/00<br/>1005293</p> <p>The invention relates to a process comprising preparing silver nanoparticles in the presence of a stabilizing agent and adding the silver nanoparticles to rice husk ash to obtain rice husk ash with bonded silver nanoparticles.</p>   |

- 40/2011      Huntsman Advanced Materials (Switzerland) GmbH., a Swiss company of Klybeckstrasse 200, 4057 Basel, Switzerland. [Priority date : 18<sup>th</sup> February, 2010 and Country : Europe]
- ÆMIXTURES OF FIBRE-REACTIVE DYES AND THEIR USE IN A METHOD FOR DI-OR TRICHROMATIC DYEING OR PRINTING”**
- Int. C1. C09 B 45/42  
C09 B 62/09  
C09 B 62/095  
1005294
- Dye mixtures, comprising at least one red dyeing halogen triazine dye and at least one blue, yellow, orange or brown dyeing reactive azo dye are suitable especially for the dichromatic or trichromatic dyeing or printing of cellulosic fibre materials and yield dyeings or prints having good reproducibility and good all-round fastness properties.
- 74/2011      TATA MOTORS LIMITED, an Indian company having its registered office at Bombay House, 24 Homi Mody Street, Hutatma Chowk, Mumbai 400 001, Maharashtra India. [Priority date : 29<sup>th</sup> March, 2010 and Country : India]
- ÆNovel EGR Controller for Internal Combustion Engine”**
- Int. C1. F02 B 47/08  
1005295
- Novel EGR controller for Internal combustion engines is a microprocessor based and capable of receiving inputs from various sensors & being customized for different applications. The EGR controller is customized to receive inputs of engine speed, controller through various inputs received from the sensors decide the opening of EGR valve thereby regulating the EGR flow. The controller also confirms the actual valve lift through EGR position feedback. In addition, the controller is programmed with special protective strategies that safeguard the engine under extreme operating conditions.
- 94/2011      Iftekhar Enayetullah of C/O Waste Concern Consultants, House : 21 (Side B), Road : 7, Block : G, Banani Model Town, Dhaka, and (2) Abu Hasnat Md. Maqsood Sinha of C/o Waste Concern Consultants, House : 21 (Side B), Road : 7, Block-G, Banani Model Town, Dhaka, Bangladesh.
- ÆBOX TYPE METHOD OF COMPOSTING”**
- Int. C1. C02 F 3/10  
1005296
- The invention relates to box type method of composting. Initially collected organic waste is sorted and mixed with necessary carbon (C) Nitrogen (N) to achieve an optimum carbon : Nitrogen ratio of 35 : 50 for aerobic composting. This waste is then heaped in the compost box in layers. Sawdust is also mixed with the waste to increase air spaces, enabling proper aeration and balancing the C : N ratio. The box should not be filled in one day. It should take minimum 4 days to fill the box. The temperature of the pile is maintained at 55-56°C, for aerobic composting. The process requires altogether 60 days. After maturing the compost is screened for different grades. Using this technology, from 1000 kg organic waste pile, 250-300 kg of compost can be produced, Two box types methods are available i.e. Without blower and with blower.
- 116/2011      SICPA HOLDING SA, (A company incorporated under the laws of Switzerland) Avenue de Florissant 41, 1008 Prilly, Switzerland. [Priority date : 25<sup>th</sup> May, 2010 and Country : EP & US]
- ÆPOLYMER-BONDED PERYLENE DYES AND COMPOSITIONS CONTAINING SAME”**
- Int. C1. C09 B 3/20  
C09 B 69/10  
C09 D 11/00  
1005297
- A method of increasing the solubility and/or dispersibility of a perylene dye in a liquid medium. The method comprises binding the perylene dye to a polymer which is soluble in the liquid medium.



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| 37/2011  | Nokia Siemens Networks Oy, a company duly organized and existing under the laws of Finland of Karaportti 3, 02610 Espoo, Finland. [Priority date : 11 <sup>th</sup> February, 2010 and Country : PCT ]   | <p style="text-align: center;">ÆDevice Management”</p> <p style="text-align: center;">Int. C1. H04 L 12/18<br/>H04 L 12/24<br/>H04 L 29/12<br/>1005298</p>                            | <p>The present invention relates to methods and apparatus that enable device management to be performed via broadcast/multicast transmission. A server 207 may receive a request 211, for example, from a device owner 208, to update settings in deployed devices 201. The deployed devices may be identified by at least one group ID. The server 207 may initiate 201 by transmitting a settings update message 206 may then transmit the setting a settings update message to the identified devices 201 via broadcast/multicast transmission.</p>   |
| 58/2011  | MARATHON GTF TECHNOLOGY, LTD., a corporation of the State of Ohio, United States of America, whose principal place of business and business address : 5555 San Felipe, Houston, Texas 77056-2799, USA. [Priority date : 2 <sup>nd</sup> March, 2010 and Country : U.S.]  | <p style="text-align: center;">ÆPROCESS AND SYSTEMS FOR THE STAGED SYNTHESIS OF ALKYL BROMIDES”</p> <p style="text-align: center;">Int. C1. B01 J 8/04<br/>C07 C 1/26<br/>1005299</p> | <p>process and systems for synthesizing products, such as high molecular weight hydrocarbons, olefins or mixtures thereof, from alkyl bromides wherein one or more streams of alkyl bromides may be reacted in sequential or concurrent stages at different temperatures. The catalyst used in the synthesis stages may be the same or different and at least in one instance is chosen to from hydrocarbon products having a significant C paraffin content. The stages may be conducted in one or more reactions and the catalyst may be deployed in fixed beds or fluidized beds.</p>   |
| 64/2011  | VENTER, Nick (a South African citizen) 112 Eleventh Street, Parkmore, 2196, South Africa. [Priority date : 18 <sup>th</sup> March, 2010 and Country : ZA]  | <p style="text-align: center;">ÆOPERATION OF A MOBILE COMMUNICATION DEVICE”</p> <p style="text-align: center;">Int. C1. G06 Q 20/00<br/>1005300</p>                                   | <p>The invention discloses a method of operating a mobile communication device to communicate with a remote server including the steps of providing by means of software operated on the mobile device means to input data relating to a payment card, authenticating the data relating to the payment card with an authentication authority, and providing by means of the software at least means to selectively set permissions on the remote server in respect of a account associated with the card. The invention extends to a system and software for using this method.</p>  |
| 143/2011 | (i) RETRACTABLE TECHNOLOGIES, INC ., a corporation duly organized and existing under the laws of State of Texas of 511.Lobo Lane, Little Elm. Texas 75068, USA. And (ii) Thomas J. Shaw of 5310 Buena Vista, Frisco, Texas 75034, citizen of United States.[Priority date: 30 <sup>th</sup> June, 2010 and Country : US] | <p style="text-align: center;">ÆMEDICAL DEVICE WITH RETRACTABLE NEEDLE AND MOVEABLE PLUNGER SEAL”</p> <p style="text-align: center;">Int. C1. A61 M 5/315<br/>1005301</p>             | <p>A medical device having a barrel, a retractable needle, a needle retraction assembly and a plunger, the needle retraction assembly including and being held inside the barrel prior to retraction at least in part by a retainer contacting the barrel, the plunger comprising a plunger seal with a body having at least a portion that is rearwardly moveable relative to the plunger and an elastomeric web that seals a retraction cavity inside the plunger prior to retraction of the needle, the retainer member and the plunger seal each cooperating with an inside wall of the barrel to provide a sealed liquid containment chamber inside the device.</p> |

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| 100/2011 | <p>BIGTEC PRIVATE LIMITED, Having its office at : 2<sup>nd</sup> Floor, SID Entrepreneurship Centre Indian Institute of Science Capus, Bangalore 560 012, Kamataka, India.<br/>[Priority date: 30<sup>th</sup> April, 2010 and Country : India]</p> | <p>ÆA NON CONTACT REAL TIME MICRO POLYMERASE CHAIN REACTION SYSTEM AND METHOD THEREOF”</p> <p>Int. C1. B01 L 7/00<br/>B01 L 3/00<br/>C12 M 1/34<br/>C12 N 15/10<br/>1005302</p> <p>The present disclosure provides a non contact real time micro polymerase Chain Reaction [PCR] system comprises ; a chip having a reaction chamber for holding a sample and an embedded metal heater below the reaction chamber for heating the sample ; an optical unit comprising associated LED driver and photo detector amplifier placed above the chip to detect the fluorescence ; an induction heater mounted around the chip and is inductively coupled to the metal heater; an infrared temperature sensor mounted below the chip for measuring a temperature of the metal heater, wherein said infrared temperature sensor is interfaced with a signal conditioner and a controller interfaced with the signal conditioner and the induction heater for regulating the power to the induction heater based on feedback received from the infrared temperature sensor through the signal conditioner.</p>  |
| 17/2011  | <p>Coats Plc, a British company of 1 the Square, Stockley Park, Uxbridge, Middlesex UB11 1TD, United Kingdom.<br/>[Priority date: 28<sup>th</sup> January, 2010 and Country : U.K.]</p>   | <p>ÆA METHOD OF FEEDING THREAD TO A SEWING MACHINE”</p> <p>Int. C1. D02 G 1/00<br/>D05 B 59/00<br/>1005303</p> <p>A sewing machine thread feed for a supplying sewing thread to a sewing machine, the sewing thread including a low melting point filament and a textile filament, the feed comprising : a guide mechanism for guiding sewing thread to a needle of the sewing machine ; first and second spools carrying first and second filaments respectively, one of the spools carrying a lowmelt filament and the other carrying a textile filament ; first and second retention mechanisms for retaining the first and second spools respectively in position against force applied to them when filament is drawn off ; the first and second filaments run from the first and second spools respectively to the guide mechanism ; wherein the first filament runs from the first spool, through the centre of the second spool, so that the action of the second filament, when being drawn off the second spool, causes inter-winding of the first and second filaments to create composite sewing thread.</p>   |
| 125/2011 | <p>SMART COMMUNICATIONS, INC., (A Company incorporated under the laws of Philippines) Smart Tower, 6799 Ayala Avenue, Makati City 1226 Philippines,<br/>[Priority date : 9<sup>th</sup> June 2010 and Country; Singapore]</p>                       | <p>ÆSYSTEM AND METHOD FOR THE PROVISION OF CONTENT TO A SUBSCRIBER”</p> <p>Int. C1. H 04 W 48/00<br/>1005304</p> <p>A system method for providing content to a plurality of subscribers in a communications network is disclosed. The method comprises the steps of ; receiving event parameters associated with an event from a third party; receiving location information for each subscriber from the communications network, comparing the event parameters from said third party with the location information for each subscriber to identify one or more subscribers within plurality of subscribers within a predetermined range of the event associated with the event parameters; profiling each of the one or more subscribers to produce a profile rating and/or profile score wherein the profile rating and/or profile score are indicative of the likelihood of a given subscriber to attend the event ; sorting the one or more subscribers into a number of categories based on the profile rating and/or profile score; compiling content for each category of subscribers wherein the content for each category of subscribers contains information specific to its subscriber category; and delivering the content to said one or more subscribers within range of the event.</p> |

55/2011	Danisco US Inc. (A Corporation organized under laws of USA) 925 page Mill Road, Palo Alto, CA 943 USA. [Priority date : 26 <sup>th</sup> March, 2010 and Country: US]	ÆTREATMENT OF KERATINOUS FIBERS WITH AN ENZYME HAVING PERHYDROLASE ACTIVITY.” Int. C1. D06 M 11/50 1005305	Described are compositions and methods relating to the treatment of keratinous fibers and textiles comprising such fibers with enzymatically-generated peracids in aqueous media. The treatment has beneficial effects, including reducing felting, increasing dye uptake, and reducing prickling tendency.
139/2011	MTN Mobile Money SA (Pty) Ltd., (A company registered according to the laws of the Republic of South Africa) 216 14 <sup>th</sup> Avenue, Fairlands, 2022, South Africa.	ÆMETHOD OF AND SYSTEM FOR SECURELY PROCESSING A TRANSACTION” Int. C1. G06 Q 30/06 1005306	A method securely processing a transaction includes storing a plurality of encrypted financial transaction instrument identifiers in a memory wherein there is no decryption key for these store in the memory and further wherein the encrypted financial transaction instrument identifiers are each associated with a mobile communications device. Receiving at a server a request to process a transaction, the request including an identification if a mobile communications device. Retrieving from the memory the encrypted financial transaction instrument identifier associated with the mobile communications device identified in the request. Transmitting the retrieved encrypted financial transaction instrument identifier to the mobile communications device. Receiving from the mobile communications device transaction data and using the received transaction data to effect a financial transaction.
167/2011	Zhao-Cheng JIANG of No.48, Qiaoxin Rd., Xindian City, Taipei, Duly organized and existing under The laws of Taipei. [Priority date : 1 <sup>st</sup> August, 2010 and Country: USA]	ÆIMPULSE TYPE SHOCK WAVE FLASH DYEING MACHINE.” Int. C1. D06 B 3/28 1005307	An impulse type shock wave flash dyeing machine is disclosed. A row of joint nozzles can send out high-speed air flows to prompt fibrous fabric to spread out and move in the dyeing machine through the effect of impluse. Dyes or processing agents may be comerted into fine mist and is carried by the high-speed air flows to blast the fibrous fabric (3). Therefore, the dyes or processing agents can enter the fibrous fabric (3) quickly and can diffuse or spread out in the fibrous fabric (3) swiftly through strong elastic and inelastic collisions as well as the effect of shock wave. Such collisions and effect can into activated molecules. In addition, the effect of corona discharge may be used to generate high-energy particles and hence the goals of clean and swift processes may be achieved.
54/2011	SAN TECHNOLOGY HOLDING PTE LTD. 1 Kim Seng Promenade, # 14-01 Great World City, East Tower Singapore 237994. [Priority date : 26 <sup>th</sup> February, 2010 and Country : Singapore]	ÆMETHOD AND SYSTEM FOR PURIFYING USED OIL” Int. C1. B01 D 61/02 B01 D 61/04 1005308	There is provided a method and a system for purifying used oil. The method comprises passing a feed containing used oil through an organophilic nanofiltration membrane thereby allowing molecules having molecular weight lower than 1,000g/mol present in the used oil to filter through, and polishing the filtered used oil to remove colouring of the used oil to thereby obtain purified used oil. High molecular weight impurities are separated from the used oil with the use of nanofiltration membrane technology. Transmembrane pressure is applied across the membrane to allow the separation. With this method, the impurities content is greatly reduced in the permeate.

- 102/2011 DOLBY LABORATORIES LICENSING CORPORATION., of 100 Potrero Avenue, San Francisco, CA 94103-4813, USA. “Decoding of Multichannel Audio Encoded Bit Streams Using Adaptive Hybrid Transformation”  
Int. C1. G10 L 19/00  
G10 L 19/02  
1005309
- The processing efficiency of a process used to decode frames of an enhanced AC-3 bit stream is improved by processing each audio block in a frame only once. Audio block of encoded data are decoded in block order rather than in channel order. Exemplary decoding processes for enhanced bit stream coding features such as adaptive hybrid transform processing and spectral extension are disclosed.
- 169/2011 DOLBY LABORATORIES LICENSING CORPORATION., of 100 Potrero Avenue, San Francisco, California 94103-4813, United States of America. [Priority date : 18<sup>th</sup> August, 2010 and Country : US] “Method and System for Controlling Distortion in a Critical Frequency Band of an Audio Signal”  
Int. C1. H03 G 9/18  
H04 R 3/04  
1005310
- In some embodiments, a method and system for controlling distortion of the output of a miniature speaker by attenuating at least one critical frequency band of the input signal to be reproduced, using tuning parameters that have been predetermined where the critical frequency band is a frequency range of the speaker’s frequency response in which Total Harmonic Distortion (THD) peaks. The distortion control is performed in a manner which allows an increase in the average loudness of the speaker’s output without significantly increasing distortion. The tuning parameters include a center frequency and a bandwidth of the critical frequency band, and a power threshold value. In some embodiments, the system is a loudness maximizer configured to limit distortion of a speaker’s output by limiting distortion in a critical frequency band using predetermined control parameters, and limit the dynamic range of the output signal and increase its perceived overall average loudness level.
- 117/2011 RANKA, Seema, Ajay., Indian Nationality of 9/10, Akashvan Complex, Sevasi, Vadodara 391101, Gujarat, India. [Priority date : 26<sup>th</sup> July, 2010 and Country : MUM] “ASPHALT COMPOSITIONS INCLUDING A DISPERSION OF MICROGELS DISPERSED IN AN OIL”  
Int. C1. C08 J 3/075  
C08 L 95/00  
C08 L 33/00  
1005311
- The present invention is related to dispersion compositions and asphalt compositions including the dispersion compositions. The dispersion compositions include a microgels dispersed in a continuous oil phase. The dispersed microgels include at least one water swollen/swellable polymer, water soluble polymer, or combination thereof. The asphalt compositions include bitumen, aggregate, and a dispersion composition having a microgels dispersed in oil. The dispersed microgels include at least one water swollen/swellable polymer, water soluble polymer, or combination thereof. The present invention also relates to a process for preparation of said asphalt composition.

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| 103/2011 | SMS Siemag<br>Aktiengesellschaft, a<br>corporation organized under<br>the laws of German of Eduard<br>Schloemann-StraBe<br>4, 40237 Dusseldorf,<br>Deutschland. [Priority date :<br>4 <sup>th</sup> June, 2010 and Country :<br>DE]            | ÆEQUIPMENT FOR CLEANING AND DRYING<br>ROLL STANDS”<br><br>Int. C1. B08 B 3/02<br>1005312 | Equipment for cleaning and drying roll stands, particularly roll stands in a rolling train, wherein a roll change device movable into the roll stand on rails transversely to the rolling line is provided for changing the rolls, wherein the device is movable, similarly to the roll change device, on the rails thereof and comprises a plurality of jet nozzies, which can be directed towards the roll stand, for a liquid cleaning medium and blow nozzies for a drying medium.  |
| 164/2011 | Highmark Renewables<br>Research Limited<br>Partnership (A Company<br>incorporated under the laws<br>of Canada) P.O. Box 130,<br>Vegreville, Alberta, T9C<br>1R1, Canada. [Priority date :<br>16 <sup>th</sup> July, 2010 and Country :<br>US.] | ÆGRIT REMOVAL SYSTEM”<br><br>Int. C1. B01 D 21/24<br>1005313                             | A grit removal system for tanks with a need to remove settled solids (e.g., anaerobic digester tank) is described. The system is especially suitable for large tank, preferably having a flat floor, and it works well while submerged under a liquid. Specifically, a periphery-driven rack & pinion mechanism drives a shaft to rotate about a center pivot, and scrapes settled solids towards tank periphery, where the solids fall into a pit on the tank floor. A drainage opening inside the pit when opened by a valve, is used to flush out the solids through a standpipe into a settlement tank for final dewatering and solid disposal. The system is compatible for continuous tank operation, and is useful for stirring tanks requiring periodic sediment removal.   |
| 60/2011  | DJERASSEM Le<br>Bemadjiel, a Chadian<br>national of BP 5413<br>N’ DJAMENA, CHAD.   | ÆPUMPING SYSTEM”<br><br>Int. C1. E21 B 43/12<br>1005314                                  | The present invention relates to the methods and systems for pumping or transferring fluid and for producing energy continuously. It is made up of closed thermodynamic systems arranged in series. The invention is based on the discovery of the principles of autonomous serial depression and compression. It is the expansion of a gas which supplies the work necessary for pumping or transferring liquid from one compartment to another.   |
| 108/2011 | Ningbo Cixing Co., Ltd., of<br>No. 6 Building, the Third<br>Phase, East China Textile<br>City, Cixi, Ningbo, Zhejiang,<br>P.R. China, [Priority date ;<br>28 <sup>th</sup> October, 2010<br>and Country; China.]                               | ÆSINKER CONTROL DEVICE”<br><br>Int. C1. D04 B 15/60<br>D04 B 15/36<br>1005315            | This invention discloses a sinker control device comprises a base plate, a push rod, needle pushing cams and movable cams, a spring seat is arranged below the base plate, the bottoms of the needle pushing cams and the movable cams are provided with springs; the lower surface of the push rod is U-shaped and the middle part of the push rod is hollowed to form a W-shaped track; the bearing connected with the needle pushing cams is fit with the lower surface of the push rod, and the bearing connected with the prior art, the movable cams of the invention can be pressed appropriately in accordance with the tightness of knitting device; in addition, the bottoms of the needle pushing cams and the movable way owing to the buffer action of the quality of knitted fabrics are dramatically enhanced. |

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| 159/2011 | SMART COMMUNICATIONS, INC., of smart Tower, 6799 Ayala Avenue, Makati City 1226, Philippines. [Priority date : 7 <sup>th</sup> July, 2010 and Country; Singapore]  | <p style="text-align: center;">ÆSYSTEM AND METHOD FOR RECEIVING AND SYNCHRONIZING CONTENT ON A COMMUNICATION DEVICE”</p> <p style="text-align: center;">Int. C1. H04 L 12/18<br/>H04 N 7/08<br/>H04 N 7/173<br/>1005316</p> <p>A system and method for receiving and synchronizing content on a communication device comprising a source configured to provide a first content to the communication device via a first channel; a host of the communication device configured to push a second content to the communication device via a second channel, the second channel separate and independent from the first channel, wherein in operation device via a presentation layer of the communication device is disclosed. The system and method are particularly advantageous to provide a seamless experience to the a user.</p>   |
| 183/2011 | UNILEVER PLC., Unilever House, a company registered in England and Wales under company No. 41424 of Unilever House, 100 Victoria Embankment, London, EC4Y ODY, GB, Formerly of Unilever House, Blackfriars, London, EC4P 4BQ, United Kingdom. [Priority date: 24 <sup>th</sup> August, 2010 and Country: India.] | <p style="text-align: center;">ÆA WATER PURIFICATION DEVICE”</p> <p style="text-align: center;">Int. C1. B01 D 35/34<br/>C02 F 1/50<br/>C02 F 9/00<br/>1005317</p> <p>The present invention relates to water purification devices, particularly to gravity-fed water purification devices that operate without electricity and pressurized water. The invention relates to a gravity-fed water purification device comprising a chamber that has the sediment filter, also has a compartment that surrounds the chamber to define an open top with a rim having a notch. The compartment is spaced apart from the walls of the chamber to define a space around the compartment. Preferred devices were surprisingly found to solve the problem of tapering-off of the flow-rate from the device over a period of use, and the need to frequently back wash the carbon block filter, particularly under conditions of poor water quality and at the same time provide the required residence time for the chemical purifying agent to act on the pathogens.</p> |
| 209/2011 | PAILUNG (HUBEI) MANUFACTURING CO., LTD., a company duly organized and existing under the laws of P.R.C., of Huangzhou Boulevard, Xihu Industrial Zone, Huanggang City, Hubei, P.R.C.   | <p style="text-align: center;">ÆSINKER CONTROL APPARATUS FOR FLAT KNITTING MACHINES”</p> <p style="text-align: center;">Int. CI. D04 B 15/36<br/>1005318</p> <p>A sinker control apparatus for flat knitting machines located on a transverse board over a plurality of knitting needles to drive parallel sinkers hinged between the knitting needles to rotate. The sinker control apparatus includes a base, a linked movement portion located on the base to perform driving movements, a first control cam and a second control cam hinged on the linked movement portion, and a switching portion coupled with the linked movement portion. The switching portion includes at least one connection rod connecting to the linked movement portion, a switching seat coupled on the connection rod to provide a butting force to the switching seat towards the transverse board. The switching seat has a magnetic attracting portion at one side facing the transverse board to attract the transverse board magnetically.</p>                            |

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| 221/2011 | Highmark Renewables Research Limited Partnership (A Company incorporated under the laws of Canada) P.O.Box 130, Vegreville, Abetra, T9C 1R1 Canada. [Priority date: 29 <sup>th</sup> September, 2010 and Country: U.S.] | <p style="text-align: center;">ÆNUTRIENT RECOVERY METHODS AND USES THEREOF”</p> <p style="text-align: center;">Int. C1 C02 F 9/00<br/>1005319</p> <p>Provided herein is an efficient solid-liquid separation method for bio-waste material treatment, The method contemplates the addition of certain cationic polyelectrolytes (or æpolymers” as used herein) to the bio-waste materials prior to solid-liquid separation, such as centrifugation, thus greatly facilitate the subsequent solid-liquid separation step. The liquid portion, once separated from solid portion using the subject methods, can be subjected to further downstream nutrient recovery manipulations (such as phosphate precipitation and ammonia stripping) with potentially better efficiency, or may be used directly in a number of operations, such as a liquid diluent for feedstocks in an ethanol plant.</p>  |
| 65/2011  | Logomotion, s.r.o., (A Company incorporated under the laws of Slovakia) Winterova 15, 921 01 Piesfany, Slovakia. [Priority date: 27 <sup>th</sup> March, 2010 and Country: Slovakia]                                    | <p style="text-align: center;">ÆA PAYMENT TERMINAL USING A MOBILE COMMUNICATION DEVICE, SUCH AS A MOBILE PHONE; A METHOD OF DIRECT DEBIT PAYMENT TRANSACTION”</p> <p style="text-align: center;">Int. C1 G07 F 7/10<br/>G07 D 20/00<br/>1005320</p> <p>A payment terminal using a mobile communication device (4), such as a mobile phone, is located on a removable memory card (1), e.g. type micro SD card, which is adjusted in such a way so it can be inserted into an additional hard ware slot. e.g. memory slot. A payment POS terminal application runs on a removable memory card (1), which contains at least one payment card. The payment card’s unit (7) with the card’s payment application is located in the secured part of the memory, separately from the terminal’s configuration data unit (6). The configuration data of the terminal’s selected identity and the payment card’s data are located in the separate parts of the secure element or in completely independent secure elements or they can also be localized in the Sales Device of the merchant and there e.g. within the ICC card or SAM card.</p> |
| 170/2011 | Maschinenfabrik Rieter AG, (A Company incorporated under the laws of Switzerland) Klosterstrasse 20, 8406 Winterthur, Switzerland, [Priority date: 27 <sup>th</sup> July, 2010 and Country; Switzerland]                | <p style="text-align: center;">æDrafting unit for a staple fibre strand and top roller aggregate”</p> <p style="text-align: center;">Int. C1 D01 H 5/26<br/>C01 H 5/60<br/>1005321</p> <p>A drafting unit for drafting a staple fibre strand comprises at least two driveable bottom rollers and top rollers, which are pressable on said bottom rollers, as well as a holding fixture for holding at least one of the top rollers. The top roller and the holding fixture can form a top roller aggregate. The top roller comprises an axle affixed to the holding fixture and at least one tube rotatable on said axle with a cover at a distance from the holding fixture. The outer circumference of the axle is surrounded by a dust guard along the entire length between the cover and the holding fixture, said dust guard being advantageously rotatable around the axle.</p>  |

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| 215/2011 | Gulp Oil Skimmers, A Limited LLC., 1200 S. Prescott Drive Morgan City Louisiana 70380 U.S.A. [Priority date: 7 <sup>th</sup> October, 2010 and Country: U.S.]  | æOil Skimmer Barge”<br>Int. C1 B63 B 25/08<br>1005322                                   | <p>An oil skimming water vessel having a hull and deck forming one or more interior compartments, wherein the hull comprising a bow or forward section, a mid-section, a stern or aft section, and n oil skimmer assembly, and wherein either or both of the bow or aft section constructed having a rake bottom shell. The oil skimmer assembly having first and second separated side walls (SKEG) extending vertically down from the rake bottom shell, a skimmer bottom plate extending between and affixed at the lower end sections of each of the side walls (SKEG) wherein the skimmer bottom plate having at least one discharge opening in its leading edge section, and a weir plate assembly. The rake bottom shell having at least one standpipe opening to which a standpipe attaches and extends vertically to a corresponding vessel deck opening. The weir plate assembly including a weir plate extending upward from the skimmer bottom plate between the affixed to the first and second side walls, the weir plate positioned between the discharge openings and the one or more standpipe openings. The weir plate with the side walls, the skimmer bottom plate, and the rake bottom shell forming an entrance to receive skimmed oil-containing water and a rear compartment positioned rearward of the weir plate to collect the skimmed oil-containing water passing over the top edge of the weir plate.</p> |
| 67/2011  | DR. HAZEEB RAHMAN, P.A., an Indian citizen of 36/1906, Rahmans, Seabastian Road, Judges Avenue, Kaloor, Kochi-682017, Kerala State, India. [Priority date: 26 <sup>th</sup> October, 2010 and Country: India.] | æAN IMPROVED AUTORICKSHAW HOOD WITH ADVERTISING SPACE”<br>Int. C1 B60 J 5/10<br>1005323 | <p>The present invention relates to an auto rickshaw hood and more particularly relates to an auto rickshaw hood which is light in weight comprises of advertisement spaces inbuilt in the hood. The auto rickshaw hood is manufactured using fiber glass which is light in weight and thereby decreases the laden weight of the vehicle eventually increase the mileage/fuel efficiency of the vehicle. The auto rickshaw hood in accordance with the present invention eliminates the usage of metal frame which is used in existing auto rickshaws.</p>  |
| 144/2011 | Sim Gas B.V., a Netherlands company of Archimedesweg 104. 1098 JT Amsterdam, The Netherlands. [Priority date: 30 <sup>th</sup> June, 2010 and Country: Netherlands.]   | æBIOGAS SYSTEM”<br>Int. C1 C12 M 1/107<br>1005324                                       | <p>The invention relates to a biogas system comprising an elongated tank forming an elongated internal digester chamber, wherein in its longitudinal direction the tank comprises in series a front end section, multiple intermediate sections and a back section that bound the digestion chamber, wherein the front end section, the intermediate sections and the back section comprises flanges that are coupled against each other.</p>   |



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| 180/2011 | PAILUNG (HUBEI) MANUFACTURING CO., LTD., A Company duly Organized and existing under the laws of P.R.C. of Huangzhou Boulevard, Xihu Industrial Zone, Huanggang City, Hubei, P.R.C.   | <p style="text-align: center;">ÆDIRECT DRIVING AUXILIARY YARN GUIDE APPARATUS FOR FLAT KNITTING MACHINES”</p> <p style="text-align: center;">Int. C1 D04 B 1/00<br/>D04 B 15/56<br/>1005325</p> <p>A direct driving auxiliary yarn guide apparatus for a flat knitting machine which includes a chassis, a needle bar on the chassis, a slide track above the needle bar, a yarn feeder slidably mounted onto the slide track and a yarn delivery device. The auxiliary yarn guide apparatus includes a motor located on the chassis that is coupled with a spindle and a plurality of yarn guide wheels mounted on the spindle. The motor drives the spindle and the yarn guide wheels spinning to guide yarns via the yarn delivery device to the yarn feeder to be knitted through the needle bar. Thereby yarn guiding stability improves and quality of knitting products also is enhanced.</p>  |
| 192/2011 | Dolby International AB, (A Company incorporated under the laws of The Netherlands) Apollo Building, 3E, Herikerbergweg 1-35, 1101 CN Amsterdam Zuidoost, The Netherlands, [Priority date: 16 <sup>th</sup> September, 2010and Country: U.S..] | <p style="text-align: center;">ÆCross Product Enhanced Subband Block Based Harmonic Transposition”</p> <p style="text-align: center;">Int. C1 G10 L 21/02<br/>G10 L 21/04<br/>1005326</p> <p>The invention provides an efficient implementation of cross-product enhanced high-frequency reconstruction (HFR), wherein a new component at frequency is generated on the basis of existing components at Q and Q+Q. The invention provides a block-based harmonic transposition, wherein a time block of complex subband samples is processed with a common phase modification. Superposition of several modified samples has the net effect of limiting undesirable intermodulation products, thereby enabling a coarser frequency resolution and/or lower degree of oversampling to be used. In one embodiment, the invention HFR. A hardware embodiment of the invention may include an analysis filter bank, a subband processing unit configurable by control data and a synthesis filter bank.</p>   |
| 207/2011 | PAILUNG (HUBEI) MANUFACTURING CO., LTD., A company duly organized and existing under the laws of P.R.C. of Huangzhou Boulevard, Xihu industrial Zone, Huanggang City, Hubei, P.R.C.   | <p style="text-align: center;">ÆNEEDLE BED STRUCTURE FOR FLAT KNITTING MACHINES”</p> <p style="text-align: center;">Int. C1 D04 B 27/24<br/>1005327</p> <p>A needle be structure for flat knitting machines that is located at two sides for a needle bed gap includes a plurality of parallel needle plates, a plurality of knitting needles and sinkers located between the needle plates, a sinker control portion movable in parallel with the arranged direction of the sinkers, and at least one control cam driven by a switching portion to push the sinkers to rotate towards the needle bed gap during the switching movement. The switching portion performs a switching movement according to the moving direction. The needle plates hole at least one needle pressing board to restrict vertical movement of the knitting needles. The switching portion has a magnetic attracting needles. The switching portion has a magnetic attracting portion corresponding portion has a magnetic attraction portion corresponding to the needle pressing board to form magnetic attraction therewith. A spacer is provided between the needle plates to prevent the horizontal movement of the sinkers.</p> |

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| 210/2011 | PAILUNG (HUBEI) MANUFACTURING CO., LTD., A Company duly Organized and existing under the laws of P.R.C. of Huangzhou Boulevard, Xihu Industrial Zone, Huanggang City, Hubei, P.R.C.  | “A DOWNWARD PRESSING MESH MECHANISM AND SINKER THEREOF FOR FLAT KNITTING MACHINES”<br>Int. C1. D04 B 1/00<br>D04 B 15/56<br>1005328               | A downward pressing mesh mechanism and sinker thereof for flat knitting machines in which the downward pressing mesh mechanism includes a needle seat containing a bearing surface to hold a plurality of sinkers and knitting needle separated by spacers and a cam holder located above the sinkers to hold a cam. The cam has a guide track to drive the sinkers swinging. The spacers are vertically run through by a bracing shaft at a lower side. Each sinker includes a yarn pressing portion to press a yarn to form a mesh, a swing guide portion driven by the guide track and a shaft rotating recess to couple with the bracing shaft. The sinker thus structured is simpler and durable, hence can be produced and assembled, or repaired and replaced easier and faster. Thus manpower and material costs can be reduced, and product prices also are decreased to meet market requirements.   |
| 214/2011 | DONGGUAN CASUN LAMPBASE INDUSTRIAL CO., LTD. a company duly organized and existing under The laws of China of Yongsheng Industrial Area, Dongshan, Qishi Town, Dongguan, City, Guangdong, China. [Priority date: 22 <sup>nd</sup> December, 2010 and Country: China] | “AN ENGAGING NAIL STRUCTURE OF LAMP SOCKET”<br>IPC H01 R 424<br>1005329   | An engaging nail fixing structure of a lamp socket includes a connection head housing, an insulation cap and an engaging nail. The engaging nail includes an engaging portion and a limit portion. The engaging nail is engaged in a fixing through of the connection head housing. The fixing trough includes a limit recess and an accommodation recess which are interconnected with each other. A stop portion is formed between the limit recess and the accommodation recess. The insulation head housing, the push portion. When the insulation cap is mounted on the connection head housing, the push portion is engaged in the limit recess and pushes the engaging nail outward until the limit portion of the engaging nail is against the stop portion. The engaging portion of the engaging nail is exposed out of the connection head housing. The notch of the insulation cap holds against the engaging portion of the engaging nail. The engaging nail is placed in the fixing through and the insulation cap is connected to the connection head housing, without using other fixing mechanisms to install the engaging nail steadily. It is convenient and quick to assemble the engaging nail, the connection head housing and the insulation cap. |
| 216/2011 | SICPA HOLDING SA, (A Company incorporated under the laws of Switzerland) Avenue de Florissant 41, 1008 Prilly, Switzerland. [Priority date: 24 <sup>th</sup> September, 2009 and Country: Switzerland.]  | “A Device, system and method for producing a magnetically induced visual effect”<br>Int. C1. G03 G 15/20<br>G03 G 19/50<br>G03 G 21/04<br>1005330 | The invention relates to a device, system and method for producing magnetically induced visual effects in coatings, particularly security or decorative features, containing orientable magnetic particles. The device comprises a printing unit, an orientation means, a substrate-guiding system and a photocuring unit. The printing unit is arranged to print with the coating composition an image on a first side of a substrate. The orientation means comprises a magnetic field generating element for orienting the magnetic particles in the coating composition of the printed image. The substrate-guiding system is arranged to bring and hold the substrate in contact with the orientation means. The photocuring unit irradiates the image printed on the substrate to at least partially cure the coating composition of the image while the substrate is still in contact with the orientation means. The photocuring unit is configured such that its emission of thermal radiation energy is such limited as to not heat the orientation means to an average temperature T1 exceeding 100°C.   |

243/2011	Danisco US Inc., (a company organized under law of U.S.A.) 925 Page Mill Road, Palo Alto, CA 94304, U.S.A. [Priority date: 18 <sup>th</sup> October, 2010 and Country: U.S.]	ÆLOCAL COLOR MODIFICATION OF DYED FABRICS USING A LACCASE SYSTEM” Int. C1. D06 L 3/11 D06 M 16/00 D06 P 5/02 1005331	The present systems, compositions, and methods relate to local color modification of dyed fabrics using a laccase enzyme system.
264/2011	Vestergaard Frandsen SA, (A Company incorporated under the laws of Switzerland) Chemin Messidor 5-7, 1006 Lausanne, Switzerland. [Priority date: 23 <sup>rd</sup> November, 2010 and Country: PCT]	ÆA product with low density polymer resin releasing fipronil in a controlled way and use of such a product” Int. C1 A01 K 13/00 A01 M 1/24 A01 N 29/10 1005332	A method for protecting crops and a product, for example a mosquito a net, with a thermoplastic resin containing Fipronil distributed throughout the resin by incorporation, wherein the resin without insecticide has a density of 0.890 to 0.930 g/com.
85/2011	TATA CHEMICALS LIMITED, an Indian company of Bombay House 24 Homi Modi Street, Mumbai-400001, India And TATA CONSULTANCY SERVICES LTD., an Indian company of Tcs House, Raveline street, 21 Ds Marg, Fort Mumbai, Mumbai-400001, India.	ÆA WATER PURIFIER” Int. C1. C02 F 1/00 1005333	The invention relates to a water purifier comprising an outer casing configured for connecting the purifier to an outside surface of a water storage vessel ; the purifier comprising a purification chamber configured to hold a composition for water purification; an upper chamber formed above the purification chamber and a bottom chamber formed below the purification chamber; a channel for conveying water received from the storage vessel to the bottom chamber; and passing through the purification chamber; and an outlet passage for conveying the water exiting the purification chamber to an outlet of the purifier.
151/2011	Bayer Crop Science NV., a Public Limited Company of J.E. Mommacrtslam 14, 1831 Diegem, Belgium. University of Copenhagen., a Danish company of Norregade 10, PO Box 2177, DK. 1017 Copenhagen K. Denmark. [Priority date: 8 <sup>th</sup> July, 2010 and Country: India]	ÆGLUCOSINOLATE TRANSPORTER PROTEIN AND USES THEREOF” Int. C1. A12 N 15/82 1005334	Methods and means to alter the glucosinolate (GSL) content in plants, in particular in specific plant parts, by modifying glucosinolate transporter protein (GTR) activity in plants or parts thereof are herein desorbed. In particular, methods are provided to decrease GSL content of plant seed and meal thereof as well as methods to increase GSL content in green plant tissue, of Brassicales plants.
168/2011	DOLBY LABORATORIES LICENSING CORPORATION, (A Company incorporated under the laws of USA) 100 Potrero Avenue, San Francisco California 94103-4813 united States of America. And DOLBY INTERNATIONAL AB (A Company incorporated under the laws of Netherlands) Apollo Building, 3E Herikerbergweg 1-35 1101 CN Amsterdam Zuidoost Netherlands.	ÆAUDIO DECODER AND DECODING METHOD USING EFFICIENT DOWNMIXING” Int. C1. G10 L 12/00 H04 S 3/00 1005335	A method, an apparatus, a computer readable storage medium configured with instructions for carrying out a method, and logic encoded in one or more computer readable tangible medium to carry out actions. The method is to decode audio data that includes N.n channels to M.m decoded audio channels, including unpacking metadata and unpacking and decoding frequency domain exponent and mantissa data; determining transform coefficients from the unpacking and decoded frequency domain exponent and mantissa data; inverse transforming the frequency domain data; and in the case M.N, downmixing according to downmixing data, the downmixing carried out efficiently.

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| 187/2011 | Huntsman Advanced Materials (Switzerland) GmbH., a Swiss company of Klybeckstrasse 200, 4057 Basel Switzerland. [Priority date : 25th August, 2010 and Country : Europe]  | <p style="text-align: center;">“MIXTURES OF FIBRE-REACTIVE DYES AND THEIR USE IN A METHOD FOR TRICHROMATIC DYEING OR PRINTING”</p> <p style="text-align: center;">Int. Cl. D06 P 1/38<br/>C09 B 67/22<br/>1005336</p> <p>Dye mixtures, comprising least one yellow dye of the formula at least one yellow dye of the formula, wherein the radicals have the definitions given in the claims, are suitable especially for the trichromatic dyeing or printing of cellulosic fibre materials and yield dyeings or prints having good reproducibility and good all/round fastness properties.</p>   |
| 171/2011 | (i) RETRACTABLE TECHNOLOGIES, INC., a corporation duly organized and existing under The laws of State of Texas of 511, Lobo Lane, Little Elm, Texas 75068, USA. Nationality- USA And (ii) Thomas J. Shaw of 5310 Buena Vista, Frisco, Texas 75034, Citizen of United States. Nationality : USA. | <p style="text-align: center;">“NON/REUSABLE COLLECTION DEVICE FOR BODILY FLUIDS”</p> <p style="text-align: center;">Int.Cl. A61 B 10/00<br/>A61 B 5/153<br/>1005337</p> <p>A nonreusable device for collecting bodily fluids such as vascular blood from a patient, the device being configured for example to receive a blood collection tube and having a retractable needle attached to a rearwardly biased needle holder that is constrained prior to needle retraction by a rotatably mounted lug ring and that is released during retraction by depressing a trigger pivotably connected to the body of the device to rotate the lug ring, whereby the needle holder is driven into a retraction cavity disposed inside the trigger and the front tip of the needle is retained inside the body of the device.</p>  |
| 189/2011 | UNILEVER PLC, a company registered in England and Wales under company no, 41424 of Unilever House, 100 Victoria Embankment, London, EC4Y ODY, GB, Formerly of Unilever House, Blackfriars, London, EC4P 4BQ, United Kingdom. [Priority date : 31st August, 2010 and Country : India]            | <p style="text-align: center;">“A NOVEL BIOCIDIC COMPOSITION”</p> <p style="text-align: center;">Int. Cl. A01 N 43/66<br/>C02 F 1/50<br/>A01 P 1/00<br/>1005338</p> <p>The present invention relates to a novel biocidic composition for use in gravity fed water purification devices and suitable for purifying water for drinking purposes and a process for preparing the novel biocidic composition. The biocidic tablet composition comprises one or more halogenated 5, 5-dialkylhydantoin compound; a chlorine biocidic compound selected from trichloroisocyanuric acid (TCCA) or sodium dichloroisocyanurate (NaDCC) or mixtures thereof; 0.1-1.0% water soluble boron containing compound; wherein the ratio between the halogenated 5, 5-dialkylhydantoin compound and chlorine biocidic compound is in the range 85:15 to 65:35 and the average particle size of the halogenated 5, 5-dialkylhydantoin compound and chlorine biocidic compound is in the range 400 to 1200 microns.</p> |

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| 197/2011 | LAKSHMI MACHINE WORKS LTD, an Indian Company of Perianaickenpalayam, Coimbatore-641 020, Tamil Nadu, India. [Priority date : 14th September, 2010 and Country : India]             | æA NIPPER GAUGE SETTING APPARATUS”<br>Int. Cl. D01 G 9/16<br>1005339  | <p>The present invention relates to a nipper gauge setting apparatus used in a textile combing machine. Said nipper gauge setting apparatus comprising a nipper shaft, a setting bar firmly held at an end of the nipper shaft through at least one fastening means; wherein the said apparatus is provided with at least one differential screw arrangement. In one embodiment, this is accomplished by a first self aligning member has internal thread for adopting threads of a first screw means of a stud member, wherein the first self aligning member is hinged on one side of the setting bar apart from the axis of fastening means; and a second self aligning member has internal thread for adopting threads of a second self screw means of other side of a stud member, wherein the second self aligning member is screwed into the threads to hinge on a slit bracket, wherein through the nipper gauge setting, for one full revolution of the stud member, the stud member moves a predetermined distance with respect to the second self aligning member, and for the same revolution of first screw means the first self aligning member moves a predetermined distance relatively.</p> |
| 208/2011 | PAILUNG (HUBEI) MANUFACTURING CO., LTD., A company duly organized and existing under the laws of P.R.C of Huangzhou Boulevard, Xihu industrial Zone, Huanggang City, Hubei, P.R.C. | æYARN FEEDER FOR FLAT KNITTING MACHINE”<br>Int. Cl. D04 B 15/96<br>D04 B 15/48<br>D04 B 15/56<br>1005340                    | <p>A yarn feeder for flat knitting machines is located on a yarn feeder guide track to move transversely thereon and includes a baseboard slidably coupled on the yarn feeder guide track, a first rocking arm, a second rocking arm and a yarn feeding unit located on the baseboard. The first and second rocking arms have respectively a first pivot end and a second pivot end coupled with the baseboard, and a first pressed end and a second pressed end to receive a horizontal force to swing respectively about the first and second pivot ends serving as fulcrums. The yarn feeding unit includes a yarn feeding arm located between the first and second rocking arms, and a first linkage bar hinged on the yarn feeding arm and first rocking arm to move simultaneously, and a second linkage bar hinged on the yarn feeding arm and second rocking arm to move simultaneously.</p>   |
| 212/2011 | PAILUNG (HUBEI) MANUFACTURING CO., LTD., A company duly organized and existing under the laws of P.R.C of Huangzhou Boulevard, Xihu industrial Zone, Huanggang City, Hubei, P.R.C. | æLOOP ROMING AND LOOSENING MECHANISM AND SINKERS THEREOF FOR CIRCULAR KNITTING MACHINES”<br>Int. Cl. D04 B 15/06<br>1005341 | <p>A sinker includes a sliding segment with a sliding portion slidably located in a sinker groove, a loop forming and loosening ancillary segment extended upwards from one side of the sliding portion and then extended outwards, a passive segment located above the sliding segment and driven by a cam, and an indented abrasion/reducing space located at a lateral side of the sliding portion and below the loop forming and loosening ancillary segment. Through the abrasion/reducing space, the loop forming and loosening ancillary segment can move directly and horizontally above a needle cylinder. The loop forming and loosening mechanism for circular knitting machines of the invention can simplify fabrication of the needle cylinder, reduce labor and material costs, improve quality and production yield of the needle cylinder, and also reduce abrasion of the sinker, thus can improve performance of the mechanism and enhance lifespan of the sinker.</p>  |

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| 254/2011 | PAILUNG (HUBEI) MANUFACTURING CO., LTD., A company duly organized and existing under the laws of P.R.C of Huangzhou Boulevard, Xihu industrial Zone, Huanggang City, Hubei, P.R.C.  | æYARN FEEDING APPARATUS FOR CIRCULAR KNITTING MACHINES”<br><br>Int. Cl. D04 B 15/96<br>D04 B 15/48<br>D04 B 15/56<br>1005342                                | A yarn feeding apparatus for circular knitting machines includes a yarn feeding body and a transmission shaft driven by the yarn feeding body. The transmission shaft is coupled with at least one yarn feeding wheel freely rotating against the transmission shaft. The yarn feeding body includes at least one guiding unit which is drawn by a yarn to turn and move reciprocally between a yarn supply position and a yarn supply stopped position. The transmission shaft is coupled with at least one transmission mechanism driven by the transmission shaft. The yarn feeding wheel includes at least one wedge member corresponding to the transmission mechanism. The wedge member has a first position to separate from the transmission mechanism and second position pushed by the guiding unit on a motion track to couple with the transmission mechanism to drive the yarn feeding wheel to rotate synchronously with the transmission shaft.   |
| 172/2011 | BIGTEC PRIVATE LIMITED, 2nd Floor SID Entrepreneurship Building, Indian Institute of Science [IISc] Campus. Malleshwaram, Bangalore-560 012 Karnataka, India. [Priority date : 29th July, 2010 and Country : India]                                 | æPROBES AND PRIMERS FOR DETECTION OF DENGUE”<br><br>Int. Cl. C12 Q 1/60<br>1005343  | The present disclosure gives description of a method used for the detection and quantification of dengue viral infection caused by dengue virus using nucleic acids isolated from blood, plasma or serum samples by employing Oligonucleotide probes. The method employed here for detection is by Real time PCR. The instant disclosure also provides for primers, probes, PCR Reaction mixture and kit thereof.  |
| 191/2011 | Shanghai Boiler Works, Ltd., a company organized and existing under the laws of China, having its business address at : 250 Huaning Road, Minhang District, Shanghai, 200245, P.R. China. [Priority date : 6th September, 2010 and Country : China] | æAn internal installed heating device of the boiler header”<br><br>Int. Cl. F23 N 1/08<br>F23 N 5/02<br>F23 N 5/20<br>F24 D 19/10<br>F05 D 23/19<br>1005344 | The present invention relates to an internal installed heating device of the boiler header, wherein the heating device is located on boiler’s inlet header, and through the wall of boiler’s inlet header, stretches into the inner chamber of boiler’s inlet header; said heating device contains joint of tube socket and a group of joints for educing tubes being located on boiler’s unlet header; and said joint of tube socket are set opposite to said group of joints for educing tubes; said joint of tube socket has an axial through hole and this hole is through the wall of the inlet header; said heating device also comprises: a joint of the inner sleeve, which is set at the joint of tube socket; an outside nozzle is connected to the said joint of the inner sleeve, and is located in the inner hole of the joints of tube socket; an inside nozzle is connected to said outside nozzle, and the inside nozzle is located in the inner hole of the joints of tube is located in the inner chamber of the inlet header; there are several holes on the said internal/tube is connected to said inside nozzle, and the internal/tube is located in the inner chamber of the inlet header; there are several holes on the said internal-tube. The internal/tube introduces the high temperature and high pressure vapor and mixes up it with the low/temperature water in the header, the boiler water in the joint system of the educing tube will be heated up by part of the vapor for fast heating/up the medium in the circuits of piping system for meeting the requirement of the rapid initiation of the boiler or warming up the boiler. |

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| 175/2011 | Md. Abu Saleh, a<br>Bangladeshi National of Vill-<br>Malibagh, P.S. Bander, P.O.<br>Barpara, Dist-Narayangonj,<br>Bangladesh.  | <p style="text-align: center;">æAN IMPROVED OIL OR GAS BURNER”</p> <p style="text-align: center;">Int. Cl. F23 D 11/40<br/>F23 C 9/00<br/>F23 C 9/08<br/>1005345</p>     | <p>An improved oil or gas burner which comprises; a Main cooker body containing 2 knobs, pot chair, air protector, sunflower burner, natural gas burner, multiple fingers; a oil pot/container is made of stronger steel material and heat insulated material inside the body of the main unit maintaing safe distance and connected to the burner, a LPG gas tank is provided beside the oil tank. An improved oil or gas burner as claimed in claim 1, whereas a main cooker body is connected to the oil container through a narrow M.S. tube for supplying fuel as per need and necessity whereas an operating switch has been attached to the burner for regulating and controlling required fuel; there has been attached to the burner for regulating and controlling required fuel; there has been a systematic on off and controlling switch attached to the burner for using by either LPG or natural gas. An improved oil or gas burner as claimed in claim 1, whereas a spring affixed inside the oil-pot that made of stronger steel material being completely heat preventive insulation has been arranged so uniquely that after the spring activating itself automatically shall press down/ward on to the piston having all along floated over the fuel surface; on the other hand, oil not to become inflowing on to the spring and air/chamber during pressure generating by the spring over the piston, a oil seal has been so arranged so that fuel must not penetrate to the said spring and air-chamber up/ward, while spring is activating it’s self/power on to the piston, the fuel shall pass only underneath the chamber towards the burner through the pipeline being the line a one/way outlet for affixing a one/way valve in it. An improved oil or gas burner as claimed in claim 1, wherein cooking for eight hours with 1 liter of kerosene oil and 14 Kg LPG cylinder can cook for 120 hours (as against existing 3 hours &amp; 90 hours respectively) making the burner more economical.</p> |
| 179/2011 | Unilever PLC., a company<br>registered in England and<br>Wales under company No.<br>41424 at Unilever House, 100<br>Victoria Embankment,<br>London, EC4Y ODY, GB,<br>Formerly of Unilever House,<br>Blackfriars, London, EC4P<br>4BQ, United Kingdom.<br>[Priority date : 9th August,<br>2010 and Country : India] | <p style="text-align: center;">æLOW COST FLEXIBLE AND/OR FOLDABLE WATER<br/>PURIFICATION DEVICES”</p> <p style="text-align: center;">Int. Cl. C02 F 1/00<br/>1005346</p> | <p>The present invention relates to low cost water purification device. In particular the invention relates to point of use water purification devices that do not require running water or electricity. It is an object of the present invention to provide a low cost water purification device that provides for clean potable water, especially to provide a low cost water purification device that can be easily folded and transported and that can be operated when hung up. It has been found that sealing a foldable, flexible, plastic sheet material into housing comprising, chambers formed by heat/sealing the plastic housing material together and one or more filters and a disinfection cartridge, provides a light weight, low cost, foldable water purification device that can provide water free from suspended particles, colored bodies, certain pesticides and also 6-log reduction of bacteria, 4-log reduction of viruses and 3-log reduction of cysts.</p>   |

239/2011 Taiwan Giu Chun Industrial Co., Ltd., a company duly organized and existing under The laws of Taipei of No. 112, TowLon Road, Peitow, Changhua, Taipei.

“KNITTING MACHINE WITH JACQUARD MECHANISM”

Int. CI. D04 B 15/32  
1005347

A knitting machine includes a thread guiding plate mounted between two weft units at both ends of a bed respectively; a positioning member adjacent the thread guiding plate; a stitch holder adjacent the thread guiding plate and including a pattern control board; a thread guiding plate adjacent the positioning member and including parallel needles each including an eyelet, a sensor circuit, and a latch secured to the positioning member; and a cable having one end electrically connected to the sensor circuits and the other end formed as a connector; parallel shafts with the positioning member mounted thereon connecting seats disposed at both ends of the shafts; two guide seats each including links secured to the connecting seat at either end of the stitch holder; and two rotatable jacquard members secured to the guide seats.

244/2011 CRYSTAL LAGOONS CORPORATON LLC., (A Company incorporated in the USA) 1692 Coastal Highway, Lewes, DE, USA.,

“SUSTAINABLE METHOD AND SYSTEM FOR TREATING WATER BODIES AFFECTED BY BACTERIA AND MICROALGAE AT LOW COST”

Int. CI. C02 F 9/04  
B01 D 35/00  
C02 F 1/78  
C02 F 1/68  
C02 F 5/00  
1005348

A sustainable method and system for treating and maintaining bodies of water at low density recreational use is disclosed. A system of the invention generally includes at least one containing means, at least one coordination means, at least one chemical application means, at least one non/intrusive mobile suction means, and at least one filtration means. The coordinating means can receive information regarding water quality parameters that are controlled, and can timely activate the processes necessary to adjust the water quality parameters within their respective limits. The disclosed methods and system filter only a small fraction of the total water volume, up to 200 times less per day than the flow filtered by conventional swimming pool filtration systems. The disclosed methods and system also use less chemicals, up to 100 times less than conventional swimming pool water treatment systems. The methods and system of the present invention can be used to treat recreational water bodies affected by bacteria and microalgae and provide sustainable methods for producing water that complies with bacteriological and physicochemical requirements for recreational water, as set forth by governmental regulatory agencies such as the Environmental Protection Agency (EPA), for bathing with full body contact.



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| 281/2011 | MIDORI ANZEN CO., LTD.,<br>(A Company incorporated under the laws of Japan) 4-3, Hiroo 5-chome, Shibuya-ku, Tokyo, Japan [Priority date : 6th July, 2011 and Country : PCT.]       | “TOE CAP AND TOE CAP EMBEDDED SHOE”<br><br>Int. Cl. A43 B 23/08<br>A43 B 7/32<br>1005349             | <p>The present invention provides a structure of a toe cap and a shoe having the toe cap embedded which does not disturb foot motion such as walking while protection a toe against lateral collision with an object such as a wheel of a dolly. The toe cap cover a toe in a state of being embedded to a shoe toe includes a cupshaped sell body which is formed by connecting a front end wall, bilateral side walls and an upper face wall with a gentle curved face, and an extension side wall disposed at least to one side wall as rearwardly extending a rear end edge of the side wall. The shoe having the toe cap embedded can sufficiently protect the toe even when an impact is applied from the outer side (i.e., the little toe) direction of the toe of which protection is not sufficient with a normal toe cap embedded shoe.</p> |
| 293/2011 | PAILUNG (HUBEI) MANUFACTURING CO., LTD., A company duly organized and existing under the laws of P.R.C of Huangzhou Boulevard, Xihu industrial Zone, Huanggang City, Hubei, P.R.C. | “YARN CONVEYING SYSTEM FOR CIRCULAR KNITTING MACHINES”<br><br>Int. Cl. D04 B 15/40<br>1005350        | <p>A yarn conveying system includes a circular knitting machine, at least one yarn conveying tray and a control unit electrically connected to the circular knitting machine and yarn conveying tray. The circular knitting machine has a needle cylinder and at least one yarn feeder arranged annularly on the needle cylinder. The yarn conveying tray is wound by at least two separate yarns and includes a driving device to drive the yarn conveying tray rotating so that the yarns are supplied via a yarn conveying path to the yarn feeder. The control unit generates a yarn feeding signal to the circular knitting machine to control yarn feeding speed of the yarn conveying tray. Thus users can operate the control unit to control speed of the yarns supplied from the yarn conveying tray to the yarn feeder.</p>                |
| 107/2011 | M/Kopa IPR, LLC., A corporation organized under the laws of USA at 1209 Orange St., Wilmington, DE 19801, USA.,  | “TRANSACTION PROCESSING AND REMOTE ACTIVATION”<br><br>Int. Cl. G06 Q 30/00<br>G07 F 15/06<br>1005351 | <p>Embodiment of the invention extend to a device (which may be considered an asset which is purchased or which provides a service which may be purchased) which can be controlled through the use of a mobile communications device such as a cellular phone. The cellular phone is connected to a transaction processing system communicates with the device to allow usage of the device only if the user has successfully paid for such use. A further embodiment of the invention relates to collecting usage information of the device and collating this information at a location remote from the device.</p>   |

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| 186/2011 | LBP Manufacturing Inc., a corporation organized and existing under the laws of the State of Illinois, United States of America, of 1325 South Cicero Avenue, Cicero, Illinois 60804, U.S.A.<br>[Priority date : 13th August, 2010 and Country : U.S.] | <p style="text-align: center;"><b>“BEVERAGE CONTAINER”</b></p> <p style="text-align: center;">Int. Cl. B65 D 5/44<br/>B65 D 5/64<br/>1005352</p> <p>A beverage container includes right, left, front, and rear sidewalls that define a closed space there between. The right sidewall defines an opening. The beverage container also includes a bag for storing fluids that is positioned within the closed space. The bag includes a spout for dispensing the fluids. At least a portion of the spout extends through the opening in the right sidewall. The beverage container includes first and second lid members that extend from respective top edges of the front sidewall and the rear sidewall, respectively. The first and second lid members cover the bag when in a close configuration. In the closed configuration, a side edge of at least one of the lid members is positioned behind at least a portion of the spout and is configured to prevent the spout from falling into the closed space.</p>  |
| 201/2011 | Hangzhou Tiger Electron & Electric Co., Ltd., No. 7, Xingxing Road, Xingqiao Town, Yuhang District, Hangzhou, Zhejiang Province 311100, China.  | <p style="text-align: center;"><b>“Bayonet-Type Solder-Free Lamp Cap For Energy-Saving Lamp”</b></p> <p style="text-align: center;">Int. Cl. H01 J 5/56<br/>1005353</p> <p>The invention relates to a lamp cap for an energy saving lamp, in particular to a bayonet-type solder-free lamp cap for an energy-saving lamp, which is characterized by comprising a lamp cap body, a lamp cap cover, a steel needle and copper caps, wherein symmetrical lug bosses, symmetrical fasteners and a first half steel needle groove are arranged on the lamp cap body; the copper caps are arranged on the lug bosses in a fitting mode are arranged on the lamp cap cover; the lamp cap cover and the lamp cap body are matched and connected with the clamping grooves through the fasteners; and the second half steel needle groove. In the bayonet-type solder-free lamp cap for the energy-saving lamp, the lamp cap cover and the lamp cap body are matched and connected with the clamping grooves through the fasteners, so the connection is firm. Moreover, the steel needle is a complete steel needle, does not adopt a structure in which steel needles are respectively arranged on both sides of a common B22 lamp cap, and runs through the cavity formed by the first half steel needle groove and the second half steel needle groove, so it is guaranteed that the steel needle cannot move and rotate in a steel needle groove.</p> |
| 298/2011 | MYMCO Carbon Company Limited, Amin Court, 5th Floor, Suit-508, 62-63, Motijheel C/A, Dhaka-1000.  | <p style="text-align: center;"><b>“A CONJOINT FURNACE WITH JUTE STEMS AS FUEL”</b></p> <p style="text-align: center;">Int. Cl. C10 B 53/02<br/>C10 B 1/00<br/>1005354</p> <p>A conjoined furnace with jute steam as fuel to produce Jute Stem Charcoal Dust includes a furnace body, with the following characteristics; the furnace body consists of internal and external layers, the internal layer is built with firebrick, the external layer is made of red bricks and the internal layer and external layer are tightly closed. The top of the furnace body is formed as a curve and an outlet for smoking is made at the front end of the top of the furnace body. A material entrance is made at the rear end of the top of the furnace body and a material exit is arranged at the front of the furnace body. The whole body of the conjoined furnace consists of the front bodies in a parallel way.</p>   |

- 245/2011 SMART COMMUNICATIONS, INC., (A Company incorporated under the laws of Philippines) Smart Tower, 6799 Ayala Avenue Makati City 1226 Philippines, [Priority date : 10th November, 2010 and Country : Singapore]
- “METHOD OF PERFORMING A FINANCIAL TRANSACTION VIA UNSECURED PUBLIC TELECOMMUNICATION INFRASTRUCTURE AND AN APPARATUS FOR SAME”**
- Int. Cl. H04 L 9/32  
1005355
- A method of performing a financial transaction via unsecured public telecommunication infrastructure comprising collecting data relating to a specified financial transaction type; building a transaction token including collected data and/or data derived from the collected data; encrypting the transaction token; creating a financial transaction protocol message incorporating the encrypted transaction token as dependent on a selected transport channel through which the message is to be conveyed; and conveying the financial transaction protocol message using the selected transport channel and by way of the unsecured public telecommunication infrastructure to a destination where the financial transaction protocol message will be further processed is disclosed.
- 248/2011 Annikki GmbH, an Austrian company of Rankengasse 28a, 8020 Graz, Austria. [Priority date : 29th October, 2010 and Country : Austria]
- “METHOD FOR THE PREPARATION OF LIGNIN”**
- Int. Cl. C07 G 1/00  
C08 H 7/00  
C08 H 8/00  
C08 L 97/02  
D21 C 11/00  
1005356
- A method for the preparation of lignin, characterized in that an acid is added to an alkaline alcoholic solution of lignin and the precipitated lignin is separated, and, optionally, from the filtrate alcohol is removed in order to get further, as well as a method for the preparation of a concentrated alkaline, alcoholic solution of lignin by membrane filtration; the use of the lignin thus prepared; and the isolation of hydroxyl cinnamic acids from the solution, from which the lignin has been separated.
- 256/2011 ARJOWIGINS SECURITY, (a company organized under the law of France.) 21-23 boulevard Hausmann, 75009 PARIS, France. [Priority date : 8th November, 2010 and Country : France]
- “Fluid Compositions Capable of Forming a Coating that Exhibits Antiviral Properties”**
- Int. Cl. A61 L 31/10  
A61 L 26/00  
A61 L 15/16  
A61 L 27/34  
1005357
- The present invention aims to propose a fluid composition capable of forming a coating, characterized in that it contains at least in a solvent medium an effective amount of at least one virucide of natural origin chosen from lauric acid, monolaurin, lactoferrin and essential oils having an antiviral activity and/or a precursor thereof, said composition having a viscosity between 30 mPa.s and 40 Pa.s, at room temperature and ambient pressure.

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| 274/2011 | PANTHERYX, INC., 5541<br>Central Avenue West, #270<br>Boulder, Colorado 80301<br>United States of America.<br>[Priority date : 23rd November,<br>2010 and Country : US.]   | <p style="text-align: center;">æCOMPOSITIONS AND METHODS FOR PREPARING<br/>COMPOSITION IN BROADSPECTRUM,<br/>UNDIFFERENTIATED OR MIXED CLINICAL<br/>APPLICATIONS”</p> <p style="text-align: center;">Int. Cl. A61 K 39/395<br/>1005358</p> <p>The disclosure provides improved compositions and methods for passive immunization. In embodiments, a composition comprising a synergistic combination of specific polyclonal antibodies in a carrier matrix is provided. The disclosure provides effective, economical compositions and method for the treatment of diarrhea and enteric infections in broad/spectrum, undifferentiated, or mixed clinical applications.</p>  |
| 290/2010 | Bajaj Auto Limited, Place Of<br>Business At New No. 6, Old<br>No. 157, II Floor, Habibullah<br>Road, T. Nagar, Chennai-600<br>017, State of Tamil Nadu.<br>Registered office address at<br>Akurdi, Pune-411 035, State<br>of Maharastra, India. [Priority<br>date : 6th November, 2009<br>and Country : India] | <p style="text-align: center;">ÆAN EXHAUST SYSTEM FOR A MOTORCYCLE”</p> <p style="text-align: center;">Int. Cl. B62 K 11/04<br/>B62 K 26/28<br/>1005359</p> <p>An exhaust system (4) for a motorcycle (23) comprising an engine (2), a motorcycle frame (I) and a rear wheel assembly comprising a swing arm (3) comprising a rear wheel suspension (29) and rear wheel (28), the exhaust system (4) comprising a housing body (35) with at least one chamber, the housing body (35) having a vertically extending portion (39) and conveniently, oriented at an angle thereto, a horizonatally extending portion (38) wherein portions of the housing body (35) oriented in the vertically extending portion (38) are arranged within a mounting space (34) formed between the engine (2), and the rear wheel assembly. The housing body (35) of the exhaust system (4), as a relatively heavy component on the motorcycle (23), is advantageously arranged in the region of the centre of gravity (SP) of the motorcycle (23) to avoid negative effect on the handling of the motorcycle (23).</p> |
| 296/2011 | Novozymes A/S, (A Company<br>incorporated under the laws of<br>Denmark) Krogshoejvej 36,<br>DK-2880 Bagsvaerd,<br>Denmark. [Priority date : 30th<br>December, 2010 and Country :<br>PCT.]  | <p style="text-align: center;">ÆPROCESSES FOR TREATING TEXTILE WITH A<br/>POLYPEPTIDE HAVING CELLUTOLYTIC ENZYME<br/>ENHANCING ACTIVITY”</p> <p style="text-align: center;">Int. Cl. D06 M 16/00<br/>C 12 S 11/00<br/>1005360</p> <p>The present invention relates to the use of glycosyl hydrolase family 61 polypeptides in the presence of cellulases for textile manufacture as well as textile composition comprising glycosyl hydrolase family 61 polypeptides and cellulases.</p>   |
| 297/2011 | Novozymes A/S, (A Company<br>incorporated under the laws of<br>Denmark) Krogshoejvej 36,<br>DK-2880 Bagsvaerd,<br>Denmark. [Priority date : 30th<br>December, 2010 and Country :<br>PCT.]  | <p style="text-align: center;">ÆMETHOD FOR TREATING TEXTILE WITH<br/>ENDOGLUCANASE”</p> <p style="text-align: center;">Int. Cl. C11 D 3/00<br/>C11 D 3/386<br/>C 12 N 9/42<br/>1005361</p> <p>The present invention relates to the method for manufacturing textile, by treating textile with an isolated polypeptide having endoglucanase activity, especially in biostoning and biopolishing process.</p>  |

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| 18/2012  | Amukon Kabushiki Kaisha.<br>(A company organized under law of Japan) 1926, Nippa-cho, Kohoku-ku, Yokohama-shi, Kanagawa 223-0057, Japan. [Priority date : 24th January, 2011 and Country : Japan.] | <p style="text-align: center;"><b>ÆSOLID-LIQUID SEPARATION DEVICE”</b></p> <p style="text-align: center;">Int. Cl. B01 D 29/25<br/>B01 D 33/00<br/>B30 B 9/14<br/>1005362</p> <p>A solid/liquid separation device includes a plurality of fixed members and movable members that are movably disposed between the adjacent fixed members, and moreover a screw extending through the fixed members and the movable members in a state where the screw is not in contact with the fixed members and the movable members. The screw is rotationally driven about a center axis line thereof. Following the rotation of the screw, an object to be treated that has penetrated into a solid-liquid separation portion demarcated by the fixed members and the movable members is caused to move toward an outlet of the solid-liquid separation portion, a filtrate separated from the object is discharged to the outside of the solid-liquid separation portion through filtrate discharge gaps between the fixed members and the movable members, and the object that has a reduced liquid content ratio is discharged from the outlet to the outside of the solid-liquid separation portion. In order to increase significantly a dewatering ratio of the object, the movable members are formed to move while penetrating closer to the center axis line of the screw than an outer circumferential edge of the blade of the screw, without coming into contact with the screw.</p> |
| 238/2011 | SPIRAX MARSHALL PVT. LIMITED, P.B. No-29, Mumbai/Pune Road, Kasarwadi, Pune 411 034, Maharashtra, India. [Priority date : 15th October, 2010 and Country : India.]                                 | <p style="text-align: center;"><b>ÆActuated Valves With Plurality of Plugs”</b></p> <p style="text-align: center;">Int. Cl. F 16 K 31/122<br/>F16 K 31/126<br/>F16 K 39/02<br/>1005363</p> <p>An actuated valve for controlling fluid flow there through, the valve comprising, a stem secured to a moving means of the actuator, the stem operated by the moving means held in an actuator against force of an retaining spring disposed between the piston and actuator; a bonnet secured to the actuator for guiding the stem therein; an transparent lid secured to the actuator, the housing provided for movement of a main plug/head for closing and opening the fluid supply there from, characterized in that.</p>   |
| 279/2011 | SICPA HOLDING SA (A Company organized and existing under the laws of Switzerland.) AV, DE Florissant 41, Prilly, 1008 Suisse, Switzerland. [Priority date : 7th December, 2010 and Country : USA.] | <p style="text-align: center;"><b>ÆCOMPOSITE MARKING BASED ON CHIRAL LIQUID CRYSTAL PRECURSORS”</b></p> <p style="text-align: center;">Int. Cl. B05 D 3/02<br/>B05 D 5/06<br/>B05 D 7/00<br/>1005364</p> <p>The invention relates to a substrate having thereon a marking or layer comprising a cured chiral liquid crystal precursor composition, wherein the chiral liquid crystal precursor composition comprises at least one salt that changes the position of a selective reflection band exhibited by the cured composition that does not contain the at least one salt, and wherein a modifying resin made from one or more polymerizable monomers is disposed between the substrate and the marking resin changing a position of the selective reflection band exhibited by the cured chiral liquid crystal precursor composition comprising the at least one salt, on the substrate in the one or more areas.</p>   |

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| 128/2011 | Bangladesh Council of Scientific and Industrial Research (BCSIR), Dr. Quadrat-i-Khuda Road, Dhaka-1208.             | <p style="text-align: center;">ÆA PROCESS FOR THE PRODUCTION OF MUSTARD SAUCE”</p> <p style="text-align: center;">Int. Cl. A23 L 1/00<br/>1005365</p> <p>Fresh whole 1000g mustard seeds after sorting, cleaning were grinded to make 785g power, Slurry was prepared by adding water (2570g) to the mustard powder. In a bowl cumin seed (114g), sweet cumin seed (100g), coriander (43g), turmeric powder (29g) are mixed well and then sugar (1000g), salt (171g), mashed green chili (30g), tamarind paste (100g) vinegar (861g), mustard oil (79g) were added consecutively, 7600g mustard sauce was obtained finally. The product was then cooled, packed in a sealed glass container with plastic lid and stored. Mustard sauce is of highly nutritious-protein and fat rich improving digestibility and palatability of foods. The developed product is a low cost &amp; agriculture based product. The shelf life of the product was found satisfactory up to 6 months at room temperature.</p> |
| 130/2011 | Bangladesh Council of Scientific and Industrial Research (BCSIR), Dr. Quadrat-i-Khuda Road, Dhaka-1205, Bangladesh. | <p style="text-align: center;">ÆA PROCESS FOR THE PRODUCTION OF DRIED JUTE LEAF POWDER”</p> <p style="text-align: center;">Int. Cl. D01 C 1/00<br/>1005366</p> <p>Raw jute leaves (1000g) were collected from local market and sorted, de-stemmed, cleaned and soaked in 5.25% sodium hypochlorite solution for 10 minutes. After optimum pre-drying the leaves in a perforated stainless steel tray for 2 hours, the leaves were finally undergone vacuum drying at 40°C under 5 mbar pressure for 8 hours. The high energy product dried jute leaf powder is also nutritionally rich in calcium and potassium. The technology is very simple, new and does not involve any sophisticated equipment. The industry will be established based on this highly nutritious product which will earn foreign currency by exporting the product. The shelf life of the product is 6 months.</p>   |
| 131/2011 | Bangladesh Council of Scientific and Industrial Research (BCSIR), Dr. Quadrat-i-Khuda Road, Dhaka-1205, Bangladesh. | <p style="text-align: center;">ÆA PROCESS FOR THE PRODUCTION OF VEGETABLE GHEE”</p> <p style="text-align: center;">Int. Cl. A23 C 15/17<br/>1005367</p> <p>The invention relates to a method for producing vegetable ghee characterized in that vegetable oils and partial saturated fat of vegetable origin are mixed by blending followed by heating, cooling, Some coloring and flavoring materials are also added. The prepared vegetable ghee is then cooled at room temperature, packed in a sealed tin container and stored. The shelf-life of the product is one year. It is an important import substitute product in Bangladeshi food prepared in a different way. The product ‘vegetable ghee’ contains antioxidant (Vitamin E) and essential fatty acid-omega 6 fatty acid (Linoleic acid) which are health beneficial nutrients.</p>  |

- 204/2011 JUKI CORPORATION, a corporation organized under the laws of Japan of 2-11-1 Tsurumaki, Tama-shi, Tokyo-206-8551, Japan, [Priority date : 30th September, 2010 and Country : China.] **ÆOPERATION ANALYZING APPARATUS FOR SEWING MACHINE AND OPERATION ANALYZING METHOD FOR SEWING MACHINE”**  
Int. Cl. G06 F 11/07  
1005368  
There are provided an operation analyzing apparatus for sewing machine and an operation analyzing method for sewing machine that can analyzing apparatus for sewing machine includes a pitch time measuring section that measures a pitch time that is a time interval from given thread cutting to the next thread cutting that acquires sewing start time and sewing end time included in the measured pitch time. The operation analyzing apparatus for sewing machine includes a calculating section that calculates the number of times of handling a sewing product, a handling time, and/or a taking and placing time by using sewing start time and sewing end time, and an output section that distinguishably outputs the calculated number of time of handling, the calculated handling time, and/or the calculated taking and placing time. The output section compares the calculated numbers of times of handling, the calculated handling times, and/or the calculated taking the placing times with each other between operators including a skilled worker and outputs comparison results.
- 241/2011 Movirtu Limited, (A company incorporated in the united Kingdom) Unit 5, Hampstead Gate, 1A Frognal London NW3 6AL, United Kingdom. **ÆMethod and system for enabling personalised shared Mobile phone usage”**  
Int.Cl. H04 W  
1005369  
Disclosed is a system and method for enabling personalised shared mobile phone usage within a wireless telecommunications network, including an illustrative application of the invention as it relates to mobile subscribers who cannot afford a mobile phone handset in the emerging markets. For instance, a prepaid wireless subscriber can be provisioned on a wireless network without the need for a mobile phone handset or SIM but with a personal phone number. the subscriber may access his account and invoke the system by keying in an Unstructured Supplementary Service Data (USSD) short code followed by his account number on a borrowed handset to access a personalised menu sent from the system over the network. Key features of the disclosure are the very low cost of entry and the ability for a subscriber to access the system from any GSM MAP2+handsets without the need for any modification or downloading of applications.
- 08/2012 Rieter Ingolstadt GmbH (A company incorporated under the laws of Germany Friedrich-Ebert-StraBe 84, 85055 Ingolstadt, Germany. [Priority date : 24th January, 2011 and Country : Germany.] **ÆMultiple head draw frame and method for changing out cans on a multiple head draw frame”**  
INT. Cl. B65 H 67/04  
D01 H 9/02  
1005370  
The invention relates to a multiple head draw frame having at least two drafting systems disposed adjacent to each other for drawing one fiber composite each, wherein an outlet for the drafted fiber material and a storage device disposed in the area of the outlet for storing the fiber material in a can are associated with each drafting system, and a filling point is associated with each storage device process. According to the invention, a common rotatable can changer is associated with at least two filling points, by means of which the cans can be displaced in a joint movement from the filling points thereof to corresponding removal points. The invention further relates to a method for changing cans on a multiple head draw frame, characterized in that a can changer associated jointly with at least two filling points is set into rotation after completion of the filling process, such that at least two of the at least partially filled cans are displaced in a joint movement from the filling points thereof into the area of corresponding removal points.

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| 03/2012  | (1) Tan Seng Chuan,<br>202 Pasir Panjang Road,<br># 02-02 Singapore 118572;<br>Nationality-Malaysian and (2)<br>Sit Meng Lye, 16 Amber<br>Gardens # 09-03, Singapore<br>439961; Nationality :<br>Singaporean. [Priority date:<br>3 <sup>rd</sup> August, 2011 and Country:<br>Malaysia.] | ÆA SYSTEM AND A METHOD FOR MICROCREDIT<br>REPAYMENT”<br><br>Int. C1. G07 F 7/08E<br>1005371            | A system and method for microcredit repayment is disclosed. The system and method comprises a plurality of repayment kiosks for receiving payment from users of the system. The plurality of repayment kiosks are connected to each other to or an Internet cloud or both through a network switch. The system comprises of at least one financial entity for awarding micro credit to borrowers. The repayment kiosks of the system are strategically placed in areas of high microcredit borrower population and of easy access to the users, particularly within the poor and rural, and other poorly banked or underbanked communities. The users input a borrower’s information and payment denomination via a program installed in the kiosks and is communicated to the selected financial entity either through the Internet cloud or the plurality of server via a secured connection or protocol. |
| 01/2012  | (1) Tan Seng Chuan, 202 Pasir<br>Panjang Road, # 02-02<br>Singapore 118572;<br>Nationality-Malaysian and (2)<br>Sit Meng Lye, 16 Amber<br>Gardens # 09-03, Singapore<br>439961; Nationality :<br>Singaporean. [Priority date: 3 <sup>rd</sup><br>August, 2011 and Country:<br>Malaysia.] | ÆA SYSTEM AND A METHOD FOR PURCHASING<br>ELECTRONIC VOUCHERS”<br><br>Int. C1. G07 D 11/00<br>1005372   | A system for Purchasing electronic vouchers is disclosed. The system comprises a plurality of kiosk terminals for receiving payment made by the users of the system, a group of servers for coordinating a purchase transaction and an e-voucher entity for managing and supervision at least one voucher inventory. The kiosk terminals are connected to the group of servers in which the group of servers establishes a connection with the e-voucher entity. The users of the system use the kiosk terminals to purchase the electronic voucher selectable from the voucher inventory from the e-voucher entity which then sends the electronic voucher as purchased by the users to the user’s mobile devices in the form of a text message or a picture message or both.  |
| 142/2011 | Omarco Network Solutions<br>Limited. (A company<br>organized and existing under<br>the law of the British Isles.)<br>First Floor, Millennium House<br>Victoria Road, Douglas, Isle<br>of Man, British Isles. [Priority<br>date: 25 <sup>th</sup> June, 2010 and<br>Country: GB.]         | ÆSECURITY IMPROVEMENTS FOR FLEXIBLE<br>SUBSTRATES”<br><br>Int. C1. G06 K 7/10<br>G06 K 7/14<br>1005373 | A method of creating an optical security element in a value document using a low-cost printing device of a data processing terminal is described. The method comprises providing a flexible substrate having a pre-printed ink portion; wherein the pre-printed ink portion is provided in an unexposed state which does not provide an optical security function of the security element configuring a variable laser irradiation device to determine a part of the unexposed pre-printed ink portion to be exposed to laser radiation in a machine-controlled manner, and exposing the unexposed pre-printed ink portion a predefined pattern, wherein the optical characteristics of the pattern provide the optical security element.   |



347/2011	Omarco Network Solutions Limited. (A company organized and existing under the law of the British Isles.) First Floor, Millennium House Victoria Road, Douglas, Isle of Man, British Isles. [Priority date: 25 <sup>th</sup> June, 2010 and Country: GB.]	<p>ÆSECURITY IMPROVEMENTS FOR FLEXIBLE SUBSTRATES”</p> <p>Int. C1. G06 K 7/10 G06 K 7/14 1005374</p> <p>A method of creating an optical security element in a value document using a low-cost printing device of a data processing terminal is described. The method comprises providing a flexible substrate having a pre-printed ink portion; wherein the pre-printed ink portion is provided in an unexposed state which does not provide an optical security function of the security element configuring a variable laser irradiation device to determine a part of the unexposed pre-printed ink portion to be exposed to laser radiation in a machine-controlled manner, and exposing the unexposed pre-printed ink portion a predefined pattern, wherein the optical characteristics of the pattern provide the optical security element.</p>
348/2011	Omarco Network Solutions Limited. (A company organized and existing under the law of the British Isles.) First Floor, Millennium House Victoria Road, Douglas, Isle of Man, British Isles. [Priority date: 25 <sup>th</sup> June, 2010 and Country: GB.]	<p>ÆSECURITY IMPROVEMENTS FOR FLEXIBLE SUBSTRATES”</p> <p>Int. C1. G06 K 7/10 G06 K 7/14 1005375</p> <p>A method of creating an optical security element in a value document using a low-cost printing device of a data processing terminal is described. The method comprises providing a flexible substrate having a pre-printed ink portion; wherein the pre-printed ink portion is provided in an unexposed state which does not provide an optical security function of the security element configuring a variable laser irradiation device to determine a part of the unexposed pre-printed ink portion to be exposed to laser radiation in a machine-controlled manner, and exposing the unexposed pre-printed ink portion a predefined pattern, wherein the optical characteristics of the pattern provide the optical security element.</p>
09/2012	Graf+Cie AG, (A company incorporated under the laws of Germany) Bildaustasse 6, CH-8640 Rapperswil, Germany. [Priority date: 31 <sup>st</sup> January, 2011 and Country: Switzerland.]	<p>ÆClothing support for flexible or semi/rigid clothing”</p> <p>Int. C1. A45 C 11/26 1005376</p> <p>The invention relates to a clothing support for flexible or semi/rigid clothing. The clothing support is a nonwoven fabric strengthened by needling and thermal treatment. The nonwoven fabric is formed from a mixture of at least two types of fibers and thereby has a proportion of 30 to 70% of a shrinkage fiber.</p>
28/2012	TATA CHEMICALS LIMITED., an Indian company of Bombay House 24 Homi Modi Street, Mumbai-400001, India and TATA CONSULTANCY SERVICES LTD., an Indian company of Tcs House, Raveline street, 21 Ds Marg, Fort Mumbai, Mumbai/400001, India.	<p>ÆEND OF LIFE SYSTEM FOR A WATER FILTER”</p> <p>Int. C1. B01 D 61/02 C00 F 1/00 B01 D 61/08 B01 D 61/18 C00 F 1/28 1005377</p> <p>An auto shut off device for liquids comprising of at least one liquid inlet, at least one liquid outlet, a casing that defines an opening, and a stopper shaped to close the opening comprising of a top, bottom and side surfaces. The stopper further defines a liquid inlet aperture on the top surface, a liquid outlet aperture on the top surface; a connecting passage connecting the liquid inlet aperture, and a liquid outlet passage connecting the liquid outlet aperture to the liquid outlet. A water dissolvable tablet and a plunger are placed within the casing the plunger including a plug configured to block the liquid inlet aperture.</p>

24/2012	<p>Maschinenfabrik Rieter AG (A Company incorporated under the laws of Switzerland) Klosterstrasse 20, CH-8406 Winterthur, Switzerland. [Priority date: 31<sup>st</sup> January, 2011 and Country: Switzerland.]</p>	<p>ÆDEVICE FOR ATTACHING A FLEXIBLE CLOTHING”  Int. C1. B65 H 3/22 D06 F 95/00 1005378</p> <p>A device for attaching a flexible clothing in the form of a clothing strip to a card flat bar of a revolving card flat. The card flat bar has a card flat foot with a clothing take-up surface and a web lying above the card flat foot. At least two clips are provided on the clothing strip. The device comprises means to accommodate and hold the card flat bar and the clothing strip. The device furthermore comprises press rams, which are guided in a moveable manner transversely to the longitudinal direction of the card flat bar and from both sides parallel to the clothing take-up surface of the card flat bar. By means of the movement of the press rams, an integral formation of the clips on the card flat foot is caused. The press rams have a drive with compression hoses.</p>
148/2011	<p>NVB Composites International UK Ltd., A company under the laws of England and Wales of Davidson House, 1<sup>st</sup> Fl. West Wing, Forbury Square, Reading, Berkshire RG1 3EU, United Kingdom.</p>	<p>ÆPISTON/CHAMBER COMBINATION VANDERBLOM MOTOR”  Int. C1. F16 J 1/00 1005379</p> <p>A piston-chamber combination comprising a chamber which is bounded by an inner chamber wall and comprising a piston inside said chamber to be engagingly movable relative to said chamber wall at least between a first longitudinal position and a second longitudinal position of the chamber, said chamber having cross-sections of different cross-sectional areas and different circumferential lengths at the first and second longitudinal positions, and at least substantially continuously different cross-sectional areas and circumferential lengths at the first and second longitudinal positions, and at least substantially continuously different cross-sectional areas and circumferential lengths at intermediate longitudinal positions between the first and second longitudinal positions, the cross-sectional area and circumferential length at said second longitudinal position, said piston comprising a container which is elastically deformable thereby providing for different cross-sectional areas and circumferential lengths of the piston adapting the same to said different cross-sectional areas and circumferential lengths of the piston adapting the same to said different cross-sectional areas and different circumferential lengths of the chamber during the relative movements of the position between the chamber, the piston is produced to have a production size of the container in the stress-free and undeformed state thereof in which the circumferential length of the piston is approximately equivalent to the circumferential length of said chamber at said second longitudinal position, the longitudinal direction of the chamber providing for an expansion of the piston from the production size thereof during the relative movements of the piston from said second longitudinal position to said first longitudinal position, the container being elastically deformable to provide for different cross-sectional areas and circumferential lengths of the piston. This is accomplished by the combination comprising means for introducing fluid from a position outside said container into said container, thereby enabling pressurization said container, and thereby expanding said container and displacing said container between second and first longitudinal positions of the chamber.</p>

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| 156/2011 | NVB International UK Ltd., a corporation organized under the laws of Great Britain of Davidson House, 1 <sup>st</sup> Fl. West Wing, Forbury Square, Reading, Berkshire RGI 3EU, United Kingdom. | <p>ÆHOSE FOR A PISTON-CHAMBER COMBINATION”</p> <p>Int. C1. F04 B 41/02<br/>F04 B 45/06<br/>1005380</p> <p>A piston-chamber combinational comprising an elongate chamber which is bounded by an inner chamber wall, and comprising a piston in said chamber to be engagingly movable relative to said chamber wall at least between a first longitudinal position and a second longitudinal position of the chamber, said chamber having cross-sections of different cross-sectional areas and differing circumferential lengths at the first and second longitudinal positions, and at least substantially continuously different cross-sectional areas and circumferential lengths at intermediate longitudinal positions between the first and second longitudinal position being smaller than the cross-sectional area and circumferential length at said first longitudinal position, said chamber is comprising an exit valve, which is communicating with hose, which is communicating with a valve between the other end of said hose and an object to be inflated. This is achieved by the volume of said hose between said valves is variable.</p>  |
| 252/2011 | Xeros Limited, (A company organized and existing under the laws of UK) Leeds Innovation Centre, 103 Clarendon Road, Leeds Yorkshire, LS2 9DF, United Kingdom.                                    | <p>ÆIMPROVED CLEANING METHOD”</p> <p>Int. C1. D06 F 35/00<br/>1005381</p> <p>The invention provides a method for the cleaning of a soiled substrate, the method comprising treating the substrate with a solid particulate cleaning material and wash water, the treatment being carried out in an apparatus comprising a drum comprising perforated side walls and having a capacity of between 5 and 50 litres for each kg of fabric in the washload, wherein said solid particulate cleaning material comprises a multiplicity of polymeric particles at a particle cleaning level of 0.1;1-10;1 by mass, each particle being substantially cylindrical or spherical in shape and having an average density in the range of 0.5-2.5 g/cm and an average volume in the range of 5-275 mm, and wherein said drum comprising perforated side walls is rotated at a speed which generates G forces in the range of from 0.05 to 900 G. The polymeric particles may comprise foamed or unfoamed poly,eric materials which may comprise either linear or crosslinked poly,ers. Preferably, at least one detergent is employed in the cleaning process. The invention between substrate and cleaning media and is preferably used for the cleaning of textile fabrics. The method allows for significant reductions in the consumption of detergents, water and energy when compared with the conventional wet cleaning of textile fabrics, and also facilitates reduced washing related textile fabric damage. The invention also envisages a cleaning composition comprising a solid particulate cleaning composition and at least one additional cleaning agent. In particular embodiments of the invention, the solid particulate cleaning material is separated and recovered and then re-used in subsequent cleaning processes. Typically, the solid particulate cleaning material is itself cleaned intermittently in order to maintain its efficacy.</p> |
| 265/2011 | Amann & Sohne GmbH & Co. KG., a German company of Hauptstrasse 1, 74357 Bonningheim, German [Priority date: 29 <sup>th</sup> November, 2010 and Country: DE].                                    | <p>ÆYarn, especially a thread or an embroidery thread as well as a method to produce such a yarn”</p> <p>Int. C1. D02 G 3/46<br/>D02 G 3/36<br/>1005382</p> <p>A yarn, especially a sewing thread or an embroidery thread, is described, which has the structure of a core yarn with at least one core consisting of multifilament yarns and a spin over of staple fiber yarns. At least one portion of the fibers, which build the staple fiber yarn of the spin over, is bound between the filaments of the at least one multifilament yarn of the core over its total axial fiber length or over a section of its axial fiber length. Furthermore a method to produce this yarn is described.</p>   |

- 56/2012 Philippe Magnier, LLC, (A Company organized and existing under the laws of USA.) 1880 Treble Drive, 77338 Humble, Texas, USA., [Priority date: 21<sup>st</sup> March, 2011 and Country: France.]
- ÆDEVICE FOR EXPLOSION PREVENTION OF AN ON LOAD TAP CHANGER INCLUDING A RUPTURE ELEMENT.”
- Int. C1. H01 F 27/02  
1005383
- Device for prevention against explosion of an on load tap changer 5 on an electrical transformer 1, the on load tap changer 5 including a tank 7 and a cover 9, the tank 7 containing a cooling liquid 41. The prevention device includes a rupture element 15 provided with tearing zones and with folding zones upon rupture, said rupture element 15 being able to break open when the pressure inside the tank 7 exceeds a predetermined ceiling, at least a support member 30 supporting the rupture element 15, said support member 30 being distinct from the cover 9.
- 194/2011 LBP Manufacturing Inc., a corporation organized and existing under the laws of the State of Illinois, United States of America, of 1325 South Cicero Avenue, Cicero, Illinois 60804, U.S.A., [Priority date: 1<sup>st</sup> September, 2010 and Country: U.S.]
- ÆPROCESS OF EXPEDITING ACTIVATION OF HEAT-EXPANDABLE ADHESIVES/COATINGS USED IN MAKING PACKAGING SUBSTRATES”
- Int. C1. B32 B 37/12  
B32 B 37/06  
B05 D 3/06  
B05 D 5/00  
B32 B 37/14  
B32 B 38/00  
1005384
- A method for manufacturing a multilayer sheet material includes, at some point during passage of the sheet material through a machine system, heating the multilayer sheet material with a microwave heater to expand a heat-expandable adhesive or coating applied to or within the multilayer sheet material. Various types of multilayer substrates may be created depending on the steps used and the application of the heat-expandable adhesive or coating. Additionally, a monolayer sheet may be coated with a pattern of heat-expandable coating before passage of the monolayer sheet through the machine system that heats the monolayer sheet to expand the heat-expandable coating applied to the monolayer sheet. The microwave heater used by the machine system may be a planar type and have a plurality of microwave guides surrounding a space through which the sheet materials pass. The microwave heater may be operable at multiple frequencies.
- 14/2012 ULO Systems LLC. (A company organized under law of United Arab Emirates) P.O. Box 23263, Sharjah, United Arab Emirates.
- ÆA COUPLING ARRANGEMENT”
- Int. C1. F16 L 37/14  
1005385
- A coupling assembly for connection to a fluid supply is provided. The assembly comprises a socket portion having a first part connectable to the supply and a second part connectable to an elongate member, a sealing means retained by the socket portion; and a locking means for locking the socket portion to the elongate member; wherein the locking means comprises a moveable portion moveable between a first unlocked position and a second locked position by slideably moving the moveable portion relative to the socket portion such that the locking means engages with a complementary portion of the elongate member.

36/2012	SMART COMMUNICATIONS, INC., (A Company incorporated under the laws of Philippines) Smart Tower, 6799 Ayala Avenue, Makati City 1226 Philippines. [Priority date: 10 <sup>th</sup> February, 2011 and Country: Singapore.]	ÆSYSTEM AND METHOD OF TRIGGERING AND EXECUTING ACTIVE CONTENT ON A RECIPIENT DEVICE” Int. C1. H04 M 3/42 H04 L 29/02 1005386 A system and method of triggering and executing active content on a recipient device, the system comprising a sender device configured to send a trigger message to the recipient device, wherein the trigger message specifies at least one executable file, the executable file comprising active content to be executed by the recipient device, is disclosed.
223/2011	Lakshmi Machine Works Ltd., Perianaickenpalayam, Coimbatore-641020, Tamil Nadu State, India, Nationality: Indian. [Priority date: 30 <sup>th</sup> November, 2010 and Country: India.]	ÆWEB GUIDING DEVICE WITH STOP MOTION ARRANGEMENT AND A METHOD THEREOF” Int. C1 D01 H 13/11 D01 H 5/72 1005387 A web guiding device with stop motion arrangement for a textile machine such as draw frame comprising a drafting arrangement with plurality of drafting rollers and a deflecting roller (20), a web funnel (21) with a stop motion arrangement (41), a sliver funnel (31) with sliver funnel holder (33), and a calendaring unit with pair of draw-off discs (8,9), wherein said web funnel (21) is provided with at least two movable plates (23,24) and the movement of one plate actuates the other plate to stop the machine.
259/2011	Laboratorios LETI, S.L. Unipersonal an organization duly organized and existing under the laws of Spain of C/del Sol 5, ES-28760 Tres Cantos Madrid, Spain. [Priority date: 10 <sup>th</sup> November, 2010 and Country: Europe.]	ÆA nucleic acid molecule or a polypeptide to increase an immune response” Int. C1. C12 P 21/08 1005388 The invention relates to a new adjuvant and to its use in combination with an antigen.
46/2012	Vestergaard Frandsen SA, (A Company incorporated under the laws of Switzerland) Chemin Messidor 5-7, 1006 Lausanne Switzerland. [Priority date: 18 <sup>th</sup> February, 2011 and Country: PCT.]	ÆA device and method for purifying and enriching water with an agent, e.g. nutrient” Int. C1. C02 F 1/68 1005389 A device and method for purifying water, wherein a water stream through a purifying stage (4) is divided into a main stream and a side stream, wherein the side stream is enriched with an agent, for example a nutrient or pharmaceutical before the streams are merged again. The agent is supplied in a supply chamber (8), which has a matrix (11, 30), from which the agent is dissolved. In order for assuring an extraction of the agent which is less dependent on a concentration gradient in the chamber (8), the chamber is provided with outlet openings (41) at different heights in the chamber.
47/2012	SICPA HOLDING SA., (A Company incorporated under the laws of Switzerland) Avenue de Florissant 41, 1008 prily Switzerland. [Priority date: 31 <sup>st</sup> May, 2011 and Country: EP.]	ÆPrinted device with three dimensional appearance” Int. C1. B41 M 3/00 1005390 The present invention is related to a device useful as a security element comprising first and second LC ink layers representing a graphical object exhibiting, when observed with an appropriate viewing equipment, a three-dimensional appearance, wherein one of said ink layers shows a first colour at a certain viewing angle and is a left-handed circularly polarizing coating or comprises left-handed circularly polarizing pigment, and the other of said ink layers shows the same or another colour at said viewing angle and is a right-handed circularly polarizing coating or comprises right-handed circularly polarizing pigment, said first and second LC ink layers representing a first and a second image corresponding to a pair of stereoscopic projections of said object, characterized in that said first and second images are composed of separate building blocks which are superimposed or can be superimposed.

## তামাদি পেটেন্ট পুনরুদ্ধার ধারা/১৬

**Restoration Proceeding under Section 16 of the Act.**

নিম্নলিখিত তামাদি পেটেন্ট পুনরুদ্ধারের ব্যবস্থা গ্রহণ করা হয়েছে। ১৯৩৩ সনের পেটেন্ট ও ডিজাইন বিধিমালা অনুযায়ী ৬ নং ফরমে পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর, শিল্প মন্ত্রণালয় (৬ষ্ঠ তলা), ৯১, মতিঝিল বা/এ, ঢাকা এই ঠিকানায় যে কোন ব্যক্তি অত্র পেটেন্ট প্রকাশিত হওয়ার ৬ সপ্তাহের মধ্যে ১৯১১ সনের পেটেন্ট ও ডিজাইন আইনের ১৬ ধারা অনুযায়ী পেটেন্ট পুনরুদ্ধারের নিমিত্তে দাখিলকৃত দরখাস্তেও বিরোধিতা নোটিশ দাখিল করতে পারবেন।

Application has been entertained in respect of the following lapsed patent. Any person may lodge notice of opposition on Form/6 of the Patents and Designs Rules, 1933 for restoration of the patent in prescribed manner in the Department of Patent, Design & Trademarks, Ministry of Industries (5<sup>th</sup> Floor), 91, Motijheel C/A, Dhaka within 6 weeks from the date of notification in the Gazette.

Patent No.	Date of Patent	Title of Invention	Applicant.
1002933	22-04-1997	ÆToothbrush”	Smithkline Beecham GmbH & Co., KG., Heruannstrasse-7 D-77815, Buhl Badek, Germany.
1002949	20-05-1997	æPharmaceuticals Compositions”	AstraZeneca Uk Limited, a British Company of 15 Stanhope Gate London, W1K 1LN, United Kingdom.
1002954	21-04-1997	æINTERFERON CONJUGATES”	F. Hoffmann-la Roche AG., a Swiss company of 124, Grenzachertrasse, CH-4070 Basle, Switzerland.
1003028	09-12-1996	æTerminal, Isolating or connecting Strip”	Krone GmbH, Beekswdarmm 3-11, D-14167 Berlin-Zehlenderf, Germany.
1003063	12-02-1998	æPYRAZINE COMPOUNDS”	Glaxo Group Limited, a British company of Glaxo Wellcome House, Berkeley Avenue, Greenford Middx, UB6 ONN, GB.
1003083	28-04-1998	æA NOVEL SALT”	Glaxo Group Limited, a British company of Glaxo Wellcome House, Berkeley Avenue, Greenford Middx, UB6 ONN, ENGLAND.
1003159	03-1-1998	æMethod of manufacturing a reinfarcedoblong concrete product for longitudinal load bearing purposes, and a driven pile”	Peters, Peter cornelis noanderweg 22, 1261 BT Blaricum, The Netherlands.
1003212	11-04-1999	æProcess For The Synthesis of Chloropurine Intermediastest	Glaxo Group Limited, a British company of Glaxo Wellcome House, Berkeley Avenue, Greenford Middx, UB6 ONN, GB.
1003570	30-11-1999	æNovel Benzomidazole Derivatives Useful As Antiproliferative Agents”	Pfizer products Inc., Eastern Point Road, Groton, Connecticut 06340, USA.
1003706	04-06-2001	æQuinazoline Derivatives”	AstraZeneca AB, A Swedish company, of S-151 85 Sodertalje, Sweden.
1003720	27-05-2001	æNovel Process For The Preparation of Certain Cyclopropyl Carboxylic Acid Esters and Otrer Cyclopropyl Carboxylic Acid Derivaties”	AstraZeneca AB, A Swedish company, of S-151 85 Sodertalje, Sweden.
1003721	27-05-2001	æPyrimide Compound, Process For Preparation and Pharmaceutical Composition Thereof”	AstraZeneca AB, a Swedish company, of S-151 85 Sodertalje, Sweden.
1003841	11-02-2002	æLovely Earth Moulding machine for the production of Bricks”	S.M. Salah Uddin, a Bangladeshi national and proprietor of Feroja Engineering Works, 2 Rahamatpur Residential Area, Chandpur-3600, Bangladesh.

Patent No.	Date of Patent	Title of Invention	Application.
1003859	16-07-2001	æPHARMACEUTICAL FORMULATION COMPRISING A PROTON PUMP INHIBITOR AND ANTACIDS”	AstraZeneca Uk Limited, a British Company of 15 Stanhope Gate London, W1K 1LN, United Kingdom.
1004109	13-04-2003	æProcess For The Preparation of Novel Thioxanthine Derivatives Useful As Inhibitors of The Enzyme Myeloperoxidase”	AstraZeneca AB, a Swedish company, of S-151 85 Sodertalje, Sweden.
1004111	05-04-2002	æBENZAMIDE DERIVATIVES”	AstraZeneca AB, a Swedish company, of S-151 85 Sodertalje, Sweden.
1004116	22-07-2003	æProcess For The Preparing Pyrimidine Sulfonamide Compounds Useful in the Treatment of Psoriasis”	AstraZeneca AB, a Swedish company, of S-151 85 Sodertalje, Sweden.
1004150	24-07-2003	æPramipexole Once-Daily Dosage Form”	Pharmacia Corporation, of 575 Maryville Centre Drive St. Louis MO 63141 USA.
1004383	29-12-2004	æA Method For Managing Networks Analyzing Connectivity”	TELENOR ASA, (A company organized under the law of Norway) of 1331 Fornebu, Norway.
1004488	17-05-2005	æRing Traveler and Method For Producing it”	Bracker AG., Obemattstrasse 65, CH-8330, Pfaffikon, Switzerland.
1004495	25-04-2005	æGas Compressor Equipment to Produce CNG in an Increased Caudal”	Delta Compresion S.r.l., of Panamericana Colectora Este Km 4753, Escobar, Buenos Aires, Argentina.
1004580	17-06-2005	æTRIAZOLOPYRIDINYLS UL FANYL DERIVATIVES AS P38 MAP KINASE INHIBITORS”	Pfizer Inc., a corporation organized under the laws of the State of Delaware, United States of America of 235 East 42 <sup>nd</sup> Street, New York NY-10017. United States of America.
1004702	17-09-2004	æOPERATION OF MIXED CONDUCTING METALOXIDE MEMBRANE SYSTEMS UNDER TRANSIENT CONDITIONS”	Air Products And Chemicals Inc., of 7201 Hamilton Boulevard, Allentown, PA 18195/1501, USA.
1004932	03-12-2008	æMethod and Circular Knitting Machine for Producing A Loop Fabric With An Untwisted Fibre Material”	Sipra Patententwicklungs-Und Beteiligungs-Gesellschaft Mbh., a German Company of E-Mail-Mayer-Str 10 72641 Abstadt, Germany.
1005043	03-12-2008	æMethod and Knitting Machine For The Production of a Loop Fabric With An Untwisted Fibre Material”	Sipra Patententwicklungs-Und Beteiligungs-Gesellschaft Mbh., a German Company of E-Mail-Mayer-Str 10 72641 Abstadt, Germany.

**Md. Elias Bhuiya**  
Deputy Registrar (Patent & Design).