

বাংলাদেশ



গেজেট

কর্তৃপক্ষ কর্তৃক প্রকাশিত

বৃহস্পতিবার, মে ২১, ২০১৫

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 Applications

এতদ্বারা জানানো যাইতেছে যে, নিম্নে বাম পার্শ্বে উল্লিখিত যে কোন পেটেন্ট আবেদনপত্র 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, শিল্প মন্ত্রণালয়, (৬ষ্ঠ তলা) ৯১, মতিঝিল বা/এ, ঢাকা-১০০০, বাংলাদেশ-এ পেটেন্ট ও ডিজাইন বিধিমালা-১৯৩৩ অনুযায়ী ৬ নং ফরমে বিরোধিতা নোটিশ দাখিল করিতে পারিবেন।

নিম্নে ডান পার্শ্বে প্রদর্শিত সাত অংক বিশিষ্ট সংখ্যাগুলির ক্রমিক সংখ্যা অনুসারে বিনির্দেশনামা মুদ্রণ করা হইবে।

গৃহীত পেটেন্ট দরখাস্তসমূহের সাময়িক (যদি থাকে) ও পূর্ণাঙ্গ বিশেষত্বনামা জনসাধারণের পরিদর্শনের জন্য অফিস চলাকালীন সময়ে অত্র অধিদপ্তরে উন্মুক্ত থাকবে।

যে কোন আবেদনকারীকে কম্পিউটারে মুদ্রিত বিশেষত্বনামার প্রত্যয়িত প্রতিলিপি সরবরাহ করা যাইতে পারে যদি তিনি ২৯ নং ফরমে নির্দিষ্ট ফিসসহ আবেদন দাখিল করেন এবং বিশেষত্বনামা মুদ্রিত করিবার জন্য নির্দিষ্ট ফিস পরিশোধ করেন।

লঘুবন্ধনীর মধ্যে প্রদর্শিত তারিখ ১৯১১ ইং সনের পেটেন্ট ও ডিজাইন আইনের ৭৮-ক ধারা/প্যারিস কনভেনশনের বিধান অনুযায়ী অগ্রাধিকার তারিখ রূপে দাবী করা হইতেছে এবং যে দেশে দরখাস্তটি প্রথম দাখিল করা হইয়াছে সেই দেশের নাম তৎসঙ্গে 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 by four months from the date of this Gazette, give notice at the Department of Patents, Designs & Trademarks, Ministry of Industries (5th Floor), 91. Motijheel C/A, Dhaka-1000, Bangladesh in the prescribed form-6 of the Patents and Designs Rules, 1933.

The seven figured 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.

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

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 the Paris Convention.

- 176/2012 Mohammad Mizanur Rahman METHOD OF LIPIDS EXTRACTION FROM
(whose legal address is 99 NATURAL SOURCES.
Dinnathsen Road, Gandaria,
Dhaka-1204 Bangladesh) *IPC: C 07F 9/00*
1005464
Abstract: A method for lipids extraction from natural source, extracts by nonpofar organic solvents. The extracts are corrected individually and distilled off the solvents then extracts were concentrated and dried, and it's the total lipids of natural sources. These lipids can be used in ford products and supplement, industrials and pharmaceuticals.
- 53/2013 SICPA HOLDING SA. a Printing method with oxidative-drying intaglio ink and
Company incorporated under UV-VIS-curable intaglio inks.
the laws of Switzerland (whose
legal address is Avenue de
Florissant 41. 1008 Prilly.
Switzerland.) *IPC: B 41M 1/10,3/14, B 42D 15/00*
1005578
Abstract: The present invention relates to the field of the intaglio printing process. In particular, the present invention relates to a method that combines intaglio inks curable by oxidation with UV-VIS-curable intaglio inks on one intaglio plate or cylinder. The disclosed method results in an intaglio printed security element using advantageously the unalike properties of the different inks while enabling the printing on a standard printing press in one printing step.
- 55/2013 Graf + Cie AG. a Company Combing element for a circular comb of a combing machine
incorporated under the laws of
Switzerland (whose legal
address is Bildaustasse 6. CH-
8640 Rapperswil Switzerland)
Priority: CH 00490/12 Dated:
10/04/2012 *IPC: D 01G 19/06, 19/10*
1005579
Abstract: The invention relates to combing element (K1-K3) for a circular comb (I) of a combing machine which is connectable to a base body (7) of the circular comb via fastening means (9, S), the combing element (K1-K3) having a plurality of adjacently situated clothing elements (G1-G3; E1-E3) which are oriented transversely with respect to the longitudinal direction of the combing element and provided with a toothed clothing (GZ). For simple and cost-effective manufacture, it is proposed that the combing element (K1 K3) has a mounting bar (H1-H3) with a supporting surface (A) on which the clothing elements (E1-E3) rest with their base surfaces (T) opposite from the toothed clothing (ZG), and viewed in the longitudinal direction of the clothing elements, the ends of the clothing elements protrude beyond the lateral faces (F) of the mounting bar (H1-H3) adjoining the supporting surface (A), and the clothing elements are joined to the mounting bar (H1-H3) by means of at least one weld seam (P), the at least one weld seam (P) being applied between the base surfaces (T) of the ends of the clothing elements (E1-E3) which protrude beyond the supporting surface (A) of the mounting bar (H1 H3), and the mounting bar.
- 56/2013 Maschinenfabrik Rieter AG, a Extraction Roller for Mechanically Opening Fiber Bales.
Company incorporated under
the laws of Switzerland,
(whose legal address is
Klosterstrasse 20, CH-8406
Winterthur, Switzerland).
Priority: CH 00508/12
Dated: 13/04/2012 *IPC: D 01B 1/10*
1005580
Abstract: The invention relates to an extraction roller (1) for mechanically opening fiber bales. The extraction roller (1) comprises a shaft (2) which can be rotated about a shaft axis (3) and circular toothed discs (4) which are fixed to this shaft (2) and are provided with teeth (5) on their outer circumference. The toothed discs (4) have an elliptically shaped, centric cutout (6), with which they encompass the shaft (2) in the form of a ring and at the same time have an inclination with an angle of inclination (a) with respect to the shaft axis (3).

- 304/2012 THE REGENTS OF THE UNIVERSITY OF CALIFORNIA (whose legal address is 1111 Franklin Street, 12th Floor. Oakland. California 94607, USA) Priority: US 61/559,154 Dated: 14/11/2011 and US61/559,721, Dated: 15/11/2011.
- SYSTEMS AND METHODS FOR FORMING AND MAINTAINING A HIGH PERFORMANCE FRC
- IPC: G 21B 1/05*
1005553
- Abstract:** Systems and methods that facilitate the formation and maintenance of new High Performance Field Reversed Configurations (FRC s). An FRC system for the High Performance FRC (HPF) includes a central confinement vessel surrounded by two diametrically opposed reversed-field-theta-pinch formation sections and beyond the formation sections, two divertor chambers to control neutral density and impurity contamination. A magnetic system includes a series of quasi-dc coils axially positioned along the FRC system components quasi-dc mirror coils between the confinement chamber and the adjacent formation sections, and mirror plugs between the formation sections and the divertors. The formation sections include modular pulsed power formation systems that enable FRCS to be formed in-situ and then accelerated and injected (=static formation) or formed and accelerated simultaneously (=dynamic formation). The FRC system further includes neutral atom beam injectors, a pellet injector, gathering systems, axial plasma guns and flux surface biasing electrodes.
- 59/2013 Himark biogas Inc, a Company incorporated under the laws of Canada, (whose legal address is P.O. Box 130, Vegreville, Alberta, T9C 1R1. Canada) Priority: US 61/614.836 Dated: 23/03/2012
- USE OF ANAEROBIC DIGESTION TO DESTROY ANTIBIOTICS AND EXOGENOUS HORMONES.
- IPC: A 62 P 3/02, B 09 B 3/00, C 02 F1/28*
1005581
- Abstract:** The invention relates to systems and methods for using the anaerobic digestion (AD) process, especially thermophilic anaerobic digestion (TAD), to destroy biohazard materials including antibiotics.
- 73/2013 PerPETual Global Technologies Ltd., a corporation organized existing under the laws of Mauritius, (whose legal address is 1st Floor, The Exchange, 18 Cybercity. Ebene, Mauritius) Priority: IN 1271/MUM/2012 Dated: 20/04/2012
- FLAKES OF ESTER MIXTURES AND METHODS FOR THEIR PRODUCTION.
- IPC: C 08G 63/78 C 08J 11/04*
1005583
- Abstract:** There is provided flakes of an ester mixture comprising bis-(hydroxyethyl)-terephthalate, dimers, trimers, tetramers, pentamers and higher oligomers of ethane-1, 2-diol and terephthalate acid.
- 76/2013 Telefonaktiebolaget LM Ericsson (Publ), a Swedish company, (whose legal address is SE-164 83 Stockholm, Sweden) Priority: EP 12167971.6 Dated: 15/05/2012
- Radio Link Management for Network Assisted Device-To-Device Communication
- IPC: H 04W 76/02*
1005569
- Abstract:** A method of a first wireless communication device adapted to perform network assisted device-to-device communication is disclosed, wherein a device-to- device communication connection comprises a device-to-device communication link between the first wireless communication device and a second wireless communication device and a device-to-network communication link between the first wireless communication device and a network node. The method comprises monitoring a synchronization of the device-to-device communication link and transmitting a device-to-device communication link report to the network node over the device-to-network communication link if the synchronization of the device – to-device communication link is lost. The method also comprises monitoring a synchronization of the device-to-network communication link and adapting a communication of the device-to-device communication link if the synchronization of the device-to-network communication link is lost. Corresponding computer program product, arrangement and wireless communication device are also disclosed. To be published with Figure 3a.

78/2013	SICPA HOLDING SA, a company incorporated under the laws of Switzerland, (whose legal address is Avenue de Florissant 41, 1008 Prilly, Switzerland) priority: EP12171469.5 Dated: 11/06/2012	Methods for printing tactile security features <i>IPC:</i> B 41M 3/14, B 42D 15/00 1005564	Abstract: The present invention is related to a process for manufacturing a security feature comprising a tactile pattern, said method comprising the steps of applying on a substrate a radiation-curable basecoat composition by a process selected from the group consisting of inkjet, offset, screen printing flexo printing and rotogravure; at least partially or fully radiation-curing said radiation-curable basecoat composition so as to obtain a radiation-cured basecoat: applying on the radiation-cured basecoat obtained under step ii) a radiation-curable topcoat composition in a form of indicia by a process selected from the group consisting of screen printing flexo printing and rotogravure; radiation-curing said radiation-curable topcoat composition so as to form a radiation-cured topcoat, wherein the radiation-curable basecoat composition and/or the radiation-curable topcoat composition comprises one or more machine readable feature substances independently selected from the group consisting of cholesteric liquid crystal pigments, luminescent compounds, infrared-absorbing compounds, magnetic compounds and mixtures thereof, and wherein the radiation-cured basecoat has a surface energy at least 15 mN/m less than the surface energy of the radiation-cured topcoat, The present invention is furthermore related to a corresponding security feature and its use for the protection of a security document against counterfeiting or fraud.
79/2013	Graf + Cie AG, a Company incorporated under the laws of Switzerland (whose legal address is Bildaustasse 6, CH-8640 Rapperswil, Switzerland) Priority: CH 00764/12 Dated: 04/06/2012	Clothing carrier <i>IPC:</i> A 45F 5/06, A 47G 25/02 1005576	Abstract: The invention relates to a clothing carrier (3) for flexible or semi-rigid clothings (2) for processing fiber material, wherein the clothing carrier (3) has a longitudinal direction (6) and a transverse direction (7). The transverse direction (6) corresponds to a working direction (A) of the clothing (2). The clothing carrier (3) exhibits a maximum tensile force (FL) in the longitudinal direction (6) which is greater than a maximum tensile force (FQ) in the transverse direction (7).
319/2012	JFE Steel Corporation. (whose legal address is 2-3, Uchisaiwai-Cho 2-Chome, Chiyoda-Ku, Tokyo, 100-0011, Japan)	HOT ROLLED STEEL SHEET USED AS MATERIAL FOR COLD ROLLING AND METHOD FOR PRODUCING THE SAME <i>IPC:</i> B 21B 3/00, C 21D 9/46, C 22C 38/14 1005556	Abstract: A hot rolled steel used as a material for cold rolling the hot rolled steel sheet having a chemical composition containing, on a mass percent basis, 0.016% to 0.07% C, 0.1% or less Si, 0.05% to 0.5% Mn, 0.03% or less P, 0.03% or less S, 0.02% to 0.1% soluble Al, 0.005% or less N, 0.0003% to 0.0030% B, 0.004% or less Ti, 0.003% or less Nb, and the balance being Fe and incidental impurities, in which the hot rolled steel sheet has an average grain size of 13 μm or less and an aging index (AI) of 10 MPA or less.

- 320/2012 Montfort Services Sdn. Bhd. (a Company Incorporated in Malaysia) (whose legal address is Unit 1001, 10th Floor, Star House, 3 Salisbury Road, Tsimshatsui, Kowloon, Hong Kong China. Priority: GB 1120923.6 Dated: 06/12/2011
- IMPROVEMENTS IN OR RELATING TO SEWING MACHINE ASSEMBLIES
- IPC: D05B 23/00- 35/06*
- 1005557
- Abstract:** In the field of sewing machine assemblies there is a need to improve the accuracy with which it is possible to position a support member relative to an associated textile work piece. A sewing machine assembly (10), for securing a support member (16) which has first and second portions (30, 32) which differ from one another within a casing member (18) and subsequently securing the support member (16) and casing member (18) combination to a textile work piece (44), comprises a needle assembly (12) and a sensor (28). The needle assembly (12) includes at least one needle (14) that is selectively movable through a needle plate (20) which in use supports a casing member (18) and a textile work piece (44). The needle assembly (12) also includes a controller to control movement of the or each needle (14) through the needle plate (20) to selectively drive a corresponding sewing thread through at least the casing member (18). The or each needle (14) while extending through the needle plate (20) defines a work piece datum (Dwp). The controller further controls advancement of at least the casing member (18) through the needle assembly (12) the sensor (28) is arranged in communication with the controller and lies spaced from the work piece datum by a predetermined distance (Di). The sensor (28) in use detects a transition (42) between first and second differing portions (30,32) of a support member (16) which lies within a casing member (18) that is supported by the needle plate (20) . The sensor (28) communicates detection of such a transition (42) to the controller whereby the controller inhibits advancement of the casing member (18) and the support member (16) through the needle assembly (12) to position the transition (42) relative to the work piece datum (Dwp).
- 328/2012 SMARTCOMMUNICATIONS INC (whose legal address is 6799 Ayala Avenue. Makati City 1226. Philippines) Priority. SG 201109211-1 Dated 13.12.2011
- DEVICE AND METHOD FOR TRANSMITTING, RECEIVING AND ANALYSING PARTOGRAPH INFORMATION
- IPC: A61B5/00.G06F 19/00*
- 1005566
- Abstract:** There is provided a system of transmitting partograph information and analysing the same comprising a client device adapted to receive partograph information as inputs, the inputs transmittable to a partograph processing server via a wireless communication network; wherein the partograph processing server is configured to receive the partograph information; conform the partograph information to a standardized format and disseminate the Partograph information to at least one computer device. Preferably, the partograph processing server further comprises an analyser to analyse the partograph information for one or more abnormality condition and provides an alert to the at least one computer device and the client device. Alternatively, the analyser is installed in the client device in the form of a software application.

90/2013	Telefonaktiebolaget LM Ericsson (Publ), a Swedish company (whose legal address is SE-164 83Stockholm. Sweden). Priority: PCT/SE2013/050518 Dated: 08.05.2013 and US 61/645.500 Dated: 10.05.2012	METHODS AND ARRANGEMENTS FOR CSI REPORTING <i>IPC: H 04L. 5/00</i> 1005565 Abstract: Some embodiments disclosed here provide a method in a wireless device 540 for reporting Channel State Information, CSI. The wireless device 540 is comprised in a wireless communications system 500. The method comprises receiving 1610 a CSI process configuration and a request for CSI information from a network node 560. The method further comprises reporting 1620 CSI for one or more CSI processes. The CSI is determined such as to reflect the state of the channel for a CSI reference resource is According to the method, the CSI reference resource is determined based on the number of configured CSI processes.
345/2012	Md. Jasim Uddin Khan, A Bangladeshi National (whose legal address is House-375. Line-01, Block-Dha, Section-12, Mirpur, Dhaka-1216, Bangladesh). Priority:	A Process of Manufacturing Leather from Cow's Gut <i>IPC: C 08G 18/00</i> 1005573 Abstract: A process of manufacturing leather from cow's gut comprising the following steps: collect and wash cow's gut and hang for letting out water for a while, afterwards mix salts in cow's gut and preserve for 60 days; after 30 days it may require addition of more salts; if preservation period last for more than 60 days, it will require more salts addition. The processed guts are to be washed away with water three times and later on, the processed guts are washed with water of 20 degree Celsius for ten minutes. When these processes are completed. The separated fourth and fifth layer are preserved for manufacturing leather in the milling drum to make those decay-free with 12 chemicals and add black color. To make the leather, it requires applying roller coating. To polish the leather glossier, it requires scraping with the machine. Lacquer is sprayed and Ironing with plain plate machine and gut-derived leather is prepared for use.
338/2012	CRYSTAL LAGOONS (CURACAO) B. V. a Company incorporated under the laws of Curacao (whose legal address is Kaya W.F.G. (Jombi) Mensing 14. Curacao Priority:	LOCALIZED DISINFECTION SYSTEM FOR LARGE WATER BODIES. <i>IPC: C 02F 1/50.1/66</i> 1005577 Abstract: The present disclosure relates to a method for controlling the microbiological properties of a portion of water within a large body of water by treating such zone with chemical agents, according to the temperature of the water., its salinity, its dilution power and the diffusion of chemicals within the large water body.

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| 106/2013 | Farid Afsar Mollah,
Nationality: Bangladeshi
(whose legal address is H #
24/A R #8/B. Middle-
Paikpara, Mirpur; Dhaka-
1216, Bangladesh) priority: | <p>COST EFFECTIVE PLASTIC ELECTRIC BULB.</p> <p><i>IPC: H 02M 5/00</i></p> <p>1005584</p> <p>Abstract: A cost effective elective bulb comprises with a main body maid with high quality plastic for arranging the bulb. There are six light emitting diodes (LED) which are the main source of light using for emitting produced light. The LED bulbs are connected with a PCB through its positive and negative part . The PCB is a plate attached with the man body with two screws. The main body comprising a rectangular main plastic part which is attached a cap in the back side with its two pins for fixing up with bulb holder. A notched plastic part is used for holding six LED with its six holes wherein a light reflecting paper is used in the front side of this part to reflect light forward. A plastic plate cover has been introduced to secure the LEDS from outside wherein some holes to outflow the emitted heat. There is no filament or gas tube in this bulb. So it is not a onetime use bulb. Any part of this bulb is changeable. So it is very easy to service this bulb. This bulb produces snow-white hights. If this bulb falls from the holder or hand it will be not broken or damaged. If this bulb falls from the holder or hand it will be not broken or damaged. If some drops of water falls on the bulb it will be nothing because there is not used any glass or gas tube. There is no problem for this bulb to produce sufficient lights for the low voltage. If we use this bulb everyday for 6 house the electricity will be used for a month-0.54unit. If we use this bulb daily for 12 hours the electricity will be used for a month= 1.08 unit . So, this is a supper energy saving bulb. If we use this bulb we must be benefited.</p> |
| 111/2013 | CAMPVALLEY (XLAMEN) CO., LTD. a corporation duly organized and existing under the laws of CHINA, (whose legal address is 4th Building No. 18.West Road 3 Jinyuan, Xinglin, Jimei District, Xiamen City, Fujian 361000, China) Priority: CN 2012203017.5 Dated: 26/06/2012 | <p>TOP CONNECTING SEAT OF TENT FRAME</p> <p><i>IPC: E 04H 15/32</i></p> <p>1005571</p> <p>Abstract: A top connecting seat of a tent frame has a plurality of pivot troughs which are arranged axially and correspond in number to top rods of the tent frame. Each top rod has a connecting head at a top end thereof. The inner walls of two plates of each pivot trough are formed with a pair of vertical positioning grooves. Two sides of the connecting head have two symmetrical protruding blocks corresponding to the positioning grooves. One side of each positioning groove is formed with a curved stop close to a middle portion thereof. A positioning space is formed under the curved stop of the positioning groove. The connecting head of each top rod and the corresponding pivot through of the connecting seat of the present invention are connected by means of engagement.The configuration is simple and can be mounted directly, without hardware such as, pivotal shaft. It is convenient and quickly to assemble the present invention so as to save the cost.</p> |

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| 112/2013 | <p>CAMPVALLEY (XIAMEN)
CO. LTD (whose legal address
is 4th Building No. 18,
West Road 3 Jinyuan,. Xinglin.
Jimei District,. Xiamen City.
Fujian 361000. China)
Priority: CN
201220301332 X Dated.
26.06.2012</p> | <p>TENT ROD CONNECTING STRUCTURE</p> <p style="text-align: center;"><i>IPC E 04H 15/36</i></p> <p style="text-align: center;">1005572</p> <p>Abstract: A tent rod connecting structure includes a joint sleeve and a joint head. The joint sleeve and the joint head are respectively connected to the ends of two rods. The joint head is movably connected between two ears of the joint sleeve through a pin. The inner side of one of the ears of the joint sleeve is formed with an engaging hook at a lower portion thereof. The joint head has an engaging recess at a lower portion thereof corresponding to the engaging hook. Preferable, two sides of the joint head are formed with a pair of protruding blocks on rear upper portions thereof. The inner sides of the two ears of the joint sleeve are formed with a pair of arched guide grooves corresponding to the outer contour of the joint head. The protruding blocks are movable in the arched guide grooves when the joint head is turned. Two sides of each arched guide groove are formed with a pair of recesses to accommodate the corresponding protruding block. The present invention has a simple configuration for the tent rods to be connected conveniently and quickly.</p> |
| 120/2013 | <p>Solar Intercontinental
(SOLARIC) Ltd. (whose legal
address is Road # 8. House #
2/A. Baridhara Diplomatic
Area. Dhaka-1212,
Bangladesh.) Priority.</p> | <p>Standalone Pre-paid DC Energy Meter System</p> <p style="text-align: center;"><i>IPC: G 01R 22/00</i></p> <p style="text-align: center;">1005570</p> <p>Abstract: Standalone pre-paid DC Energy Meter System (SPDC-EMS) is a complete energy metering system that removes the need to have any remote communication using telephone, mobile phone, internet etc. such that the system can operate independently in the area where it is used. This unique system has been developed with three distinct features in mind such as Standalone operation, Simple and low cost prepayment Intimated of the entire system has been realized by developing 2 pieces of pieces equipment known as Code generator and DC prepaid meter. Code generator accepts input such as the amount of prepayment, meter ID etc. from the operator manually and generates a unique code which is different very time and can be recognized by the DC prepaid meter only which matches the meter ID. The DC pre-paid meter can be operated from a wide range of DC voltage (12V to 600V) and can accept the unique code generated by the Code generator and updates the available balance upon successful authentication. Both devices are used in the same geographical location (usually 1-2 km) and do not need any other communication outside the location for successful pre-payment and metering operation.</p> |
| 123/2013 | <p>De La Rue International
Limited, a British company
(whose legal address is De La
Rue House. Javs Close,
Vinbles. Basingstoke RG22
4BS, United Kingdom).
Priority: GB 1211686.9Dated:
02.07.2012</p> | <p>METHOD AND SYSTEM FOR IDENTIFYING A SECURITY DOCUMENT.</p> <p style="text-align: center;"><i>IPC: G 06K 7/00. G 07D 7/02</i></p> <p style="text-align: center;">1005587</p> <p>Abstract: A method is provided of identifying a security document using an identifying device. The identifying device is provided with a capacitance sensor and a second sensor. The method includes capacitively coupling a first element of the security document with the capacitance sensor and obtaining first data from the first element using the capacitance sensor. Second data is also obtained from the security document using the second sensor. Output data is then generated based upon the first and second data. A corresponding device and system are also disclosed.</p> |

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| 125/2013 | <p>Professor Sayeba Akhter
(whose legal address is Nam
village. Flat-A2. House-2/A.
Road-1. Block-I. Dhaka-1213.
Bangladesh).
Priority:</p> | <p>An Improved Condom Uterine Tamponade.</p> <p style="text-align: center;"><i>IPC</i>:A 61F 2/0009</p> <p style="text-align: center;">1005560</p> <p>Abstract: An improved Uterine Condom tamponade is a tamponade device for control of post-partum hemorrhage or hemorrhage in other body cavities, in a low resource settings. comprises two male condom fitted with a catheter or tube which may be connected with a saline set or an air pump for the inflation of the overlying condom which when exert even pressure over the bleeding sites on the inner wall of uterus or vagina or the wall of other body cavities and thereby causes substantial reduction or stoppage of bleeding. The tube of the device has a lumen with a blunt open proximal end and some perforation at the proximal portion which allow the medium (saline or air) to pass into the inner condom in order to distend it within the cavity and an open distal end where it is connected to either saline set or air pump for the supply of saline or air into the condom. The saline medium is safer but in furious bleeding when very rapid control of bleeding is needed, insufflations of condom much more quickly by the use of air pump may be advantageous and that is the objective of using air medium and air pump . When insufflated by the medium, the inner condom is distended like a balloon and simultaneously causes distention of outer condom which acts as a secondary defense if accidentally the inner condom gets perforated or ruptured. After the optimum inflation of the condom, as evidenced by stoppage of bleeding the outer end of the catheter or tube is closed by the seal attached at its distal end and the inside pressure is maintained for desirable length of time. The outer wall of condom may be coated with lubricant which make it slippery and that allow easy drainage of any blood or discharge collected in the uterus or in vagina. With stoppage of bleeding, the hemodynamic status of women or people improve and thereby life may be saved.</p> |
| 126/2013 | <p>LAKSHMI MACHINE
WORKS LTD., an Indian
company of (whose legal
address is
Perianaickenpalayam
Coimbatore 641020. Tamil
Nadu, India) Priority: IN
2680/CHE/2012
Dated: 04.07.2012</p> | <p>AN APPARATUS FOR PROCESSING FIBRES AND A
CARDING MACHINE</p> <p style="text-align: center;"><i>IPC</i>: D01G 15/34,15/82, 15/24</p> <p style="text-align: center;">1005574</p> <p>Abstract: In an embodiment, the present disclosure relates an apparatus for processing fibres. The apparatus comprising at least one carding m having a substantially cylindrical surface with clothing provided thereon defining a working width of the carding drum which is greater than 1000 mm. The carding drum has diameter ranging between 700 mm to 1100 mm. The apparatus also comprises a revolving flat arrangement comprising a plurality of flats connected thereto forming a closed loop structure, and disposed adjacent to the at least one carding drum forming a carding area, wherein, at any point of time at least 36 flats of plurality of flats forming working flats makes contact to the carding area.</p> |
| 139/2013 | <p>UNILEVER PLC., a company
registered in England and
Wales under company no.
41424 (whose legal address is
Unilever House,100 Victoria
Embankment, London. EC4P
ODY, GB, Formerly of
Unilever House. Blackfriars,
London, EC4P 4BQ, United
Kingdom)
Priority: EP12177491
Dated: 23/07/2012</p> | <p>A FILTER MEDIUM</p> <p style="text-align: center;"><i>IPC</i>: B 01D 69/00</p> <p style="text-align: center;">1005588</p> <p>Abstract: The invention relates to filter media, particularly for purification of water. Disclosed is a filter medium having incorporated therein, a compound of Silver and Copper hydroxide. Copper hydroxide and a Silver compound when present in the filter medium provide significantly greater log reduction of virus and bacteria in water rendering the water purer.</p> |

65/2013	<p>ADVANTA INTERNATIONAL BV (whose legal address is Strawinkylaan 1143 Tower C-11, 1077XX Amsterdam. Netherlands.) Priority: EP PCT/EP2012/056352 05/04/2012</p>	<p>SORGHUM PLANTS HAVING A MUTANT POLYNUCL- EOTIDE ENCODING THE LARGE SUBUNIT OF MUTATED ACETOHYDROXYACID SYNTHASE PROTEIN AND INCREASED RESISTANCE TO HERBICIDES.</p> <p style="text-align: center;"><i>IPC: A 01H 5/10</i></p> <p style="text-align: center;">1005589</p> <p>Abstract: A sorghum seed comprising in its genome at least one polynucleotide encoding a polypeptide having an alanine to threonine substitution at position 93 of the sorghum AHAS protein large subunit. The plant has increased resistance to one or more herbicides, for example from the imidazolinone group, as compared to wild-type sorghum plants. The sorghum plant may comprise in its genome, one, two, three or more copies of a polynucleotide encoding a mutated large subunit of sorghum AHAS or a sorghum AHAS polypeptide of the invention . In this context, the sorghum plant may be tolerant to any herbicide capable of inhibiting AHAS enzyme activity. For example, the sorghum plant may be tolerant to herbicides of the imidazolinones type, such as imazethapyr, imazapir, and imazapic or to herbicides of the sulfonylurea group.</p>
306/2012	<p>Mohammad Abdullah, Permanent Address: Village and P.O.Laxmikole, Police Station: Boraigram, District: Natore, Bangladesh Priority:</p>	<p>“Air Car”</p> <p style="text-align: center;"><i>IPC: B 60V 1/00, B 64C 27/20, 39/00</i></p> <p style="text-align: center;">1005568</p> <p>Abstract: The main purpose of the invention of this Air Car is to provide a new and safe system for mass transport of the people between two places in a country or within a region by providing the maximum safety measures. In the ‘Air Car’ and the specialized ‘Flyway’ based transport system, there will be least chance of falling from the sky at high altitude during sudden engine failure or by human error. The Air Car has a specially built dual safety horizontal and vertical balancing wheel base that forces the ‘Air Car’ flying securely within the ‘Flyway’. The public transportation system in most of the developing countries of the world with the vehicles like buses and cars is crippled with huge traffics. Even at the modern era. While flying in the airplane at high altitude, people are feeling unsecured from the fear of falling from the sky due to sudden engine failure. The basic objective of this invention is achieving high speed and secured mass transport for the people with a moderate and competitive cost in comparison with the airplanes. It is expected that ‘Air Car’ will become very much affordable and beneficial mass transport method for the human civilization for its simplicity and safety features. The new safety system of “[]” shaped Flyway established above the ground level and supported by the sturdy columns will save the precious agricultural land and will assure a safe, fast forward movement of the Air Car. The ‘Air Car’ based transportation systems will help in establishing a new faster transport network in a region by getting the advantages of high speed for a safe and smart solution for mass people transportation.</p>

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| 1/2013 | Bangladesh Council of Scientific and Industrial Research (BCSIR), a body corporate of the Government of Bangladesh (whose legal address is Dr. Quadrat-i-Khuda Road, Dhanmondi, Dhaka-1205, Bangladesh)
Priority: | A process for the production of Food, Drug & Cosmetic grade-Water Soluble Curcum in Pigments.

<i>IPC:</i> A 23L 3/00, C 09B 61/00

1005575

Abstract: The present invention relates to a process for the production of curcum in pigments for use in various Foods & Cosmetic Industries as coloring agent and also have a wide application in Drug Formulation to treat a number of diseases such as different type of inflammatory diseases etc and potent drug to treat cancer also. The present invention relates to a method for extraction of purified curcum ins from turmeric powder and also relates to a method for the production of water soluble curcum in pigments. Selected food grade emulsifiers for this product are Propylene glycol and polysorbate. The product is soluble in water at any concentration and the color content of the product is 1.5%. The product is extremely stable in heat but slightly unstable under prolonged exposure to sunlight. |
| 13/2013 | Saurer Components GmbH, a German company (whose legal address is Maria-Merian-Strasse 8, 70736 Fellbach, Germany), Priority: DE 102012003180.7
Dated: 17/02/2012 | Drafting Arrangement For Drawing A Roving Yarn.

<i>IPC:</i> D 01H 13/16

1005585

Abstract: The invention relates to a drafting arrangement for drawing a roving yarn with drafting fields formed by feed, centre and withdrawal roller pairs and a connected compression zone, wherein top delivery rollers are connected by means of a cage element to the top withdrawal rollers and the cage element is loaded in the direction of bottom delivery rollers by means of a loading spring, which is configured as a leaf spring. According to the invention it is provided that the cage element (25) has a first guide and receiving device (29), the inside diameter of which is slightly above the diameter of an axle (13) of the top withdrawal roller pair (40), on which the cage element (25) is mounted and in that the loading spring (15) is stationary connected by one end to the oscillating carrier (5) and is movably connected in the region of its opposing free end (14) by an intermediate member (16, 17, 18) to the cage element (25) receiving the top delivery rollers (110). |
| 17/2013 | Saurer Components GmbH, a German company (whose legal address is Maria-Merian-Strasse 8, 70736 Fellbach, Germany), Priority: DE 102012003 179.3
Dated: 17/02/2012 | Drafting arrangement for drawing a roving yarn.

<i>IPC:</i> D 01H 13/16

1005586

Abstract: Drafting arrangement for drawing a roving yarn. The invention relates to a drafting arrangement for drawing a roving yarn with drafting fields formed by feed centre and withdrawal roller pairs, and a connected compression zone, wherein top delivery rollers are connected to the top withdrawal rollers by means of a cage element and the cage element is loaded by a pressure element in the direction of the bottom delivery rollers. According to the invention it is provided that the pressure element (15) is a spring element, which is configured to be length-variable in its longitudinal direction and is supported in an articulated manner, in each case, on bearing points at its two ends (32, 33). |

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| 16/2013 | ITC LIMITED, An Indian Company (whose legal address is 37.J.L. Nehru Road, Kolkata-700 071, State of West Bengal, India)
Priority: IN 208/KOL/2012
Dated: 29/02/2012 | POLYMERIC POWDERED COATING COMPOSITION FOR MAKING LIQUID FILLED POLYMERIC BEADS AND METHODS THEREOF.

<i>IPC: B 01J 13/14</i>

1005582

Abstract: A powdered polymeric coating composition for coating liquid filled beads of capsules comprising modified cellulose, alkali salts of alginate, natural gum, starch, metal oxide, wherein said modified cellulose, alkali salts of alginate natural gum, starch, metal oxide are present in amounts of 5 to 20%, 60 to 85%, 2 to 12%, 2 to 10%, 0.5 to 5% w/w by weight of the powdered polymeric coating composition and are mixed in ratios ranging from 0.5:8:0.5:0.25:0.1 to 2:15:2:2:1, preferably 1:8:2:0.25:0.1 to 1:12:1:1:0.2. Also provided are methods for coating and preparing coating liquid filled beads or capsules with the powdered polymeric coating composition. |
| 19/2013 | Telefonaktiebolaget LM Ericsson, A Swedish Company (whose legal address is SE-164 83 Stockholm. Sweden)
Priority: US 61/594566
Dated 03.02.2012 | METHODS AND ARRANGEMENTS FOR CHANNEL ESTIMATION

<i>IPC: H 04L 12/26</i>

1005548

Abstract: Some embodiments provide a method for channel estimation in a wireless device. According to the method, the wireless device obtains (1010) an indication that a set of antenna ports, or antenna port types, share at least one channel property. The wireless device then estimates (1020) one or more of the shared channel properties based at least on a first reference signal received from a first antenna port included in the set, or having a type corresponding to one of the types in the set. Furthermore, the wireless device performs (1030) channel estimation based on a second reference signal received from a second antenna port included in the set, of having a type corresponding to one of the types in the set, wherein the channel estimation is performed using at least the estimated channel properties. |
| 25/2013 | RAPEE BOONBUTRA (whose legal address is 55 Moo 9 Ramindra Road, Kannayao, Bangkok 10230, Thailand)
Priority: | GENERATOR AND MOTOR VENTILATOR

<i>IPC: F 03D 7/06</i>

1005549

Abstract: Generator and Motor Ventilator applied Natural Roof Ventilator for having space to install generating electric power set in permanent magnetic type at inner ring and Inductance is installed immovably at outer ring. When wind speed allows natural roof ventilator rotate, 3 phase alternating current will be produced. Connecting alternating current to Inductance and to Rectifier is convert to direct current and having Capacitor connected in parallel with direct current for storing energy while no charging occurred. To make higher voltage, connection made to switch which open close circuit by using MOSFET as switch and controlling by Microcontroller for charging into battery. Microcontroller will detect between voltage of direct current producing by Generator and Motor Ventilator and voltage from battery. If voltage of direct current which been generated from Generator and Motor Ventilator is higher than appropriate level, charging into battery occur. After that voltage drop charging will stop and will charge again if higher in voltage by using switch open-close circuit by using MOSFET as a switch on 3 phases current type. If voltage of direct current form Generator and Motor Ventilator is lower than voltage from battery or no wind is there then no rotation or low wind speed made less rotation which mean generating less electricity. Microcontroller will evaluate and command switch |

open-close circuit by using MOSFET as a switch for charging to stop working and then allows switch open-close circuit by using MOSFET as other switches to close circuit letting electric flow from battery pass Inductance for completely circuit making Magnetic field occurs as full. Therefore. that switch will open circuit, electric current dose not flow making Back emf together with voltage from battery flow back to Diode of switch open-close circuit by using MOSFET as a switch to supply electric current pass switch functioning in rectifier 3 phase type working alternately as inverter to Inductance of electrical generator for working like a motor. Thereby, Natural Roof Ventilator can rotate and ventilate air when less or no wind speeds is available.

34/2013 MR. NAZMUL HUDA (whose legal address is GABESHAN 38/10 Siddheswari Road, Dhaka-1217, Bangladesh) Priority.

MAINS OPERATED COMPETITIVE SUPER ENERGY SAVING LIGHTS.

IPC: F 2IK 9/00

1005550

Abstract: The present invention relates to a process of obtaining Mains Operated Competitive Super Energy Saving Lights through the development of a simple, efficient, inexpensive and small-sized power supply in addition to adequate heat sinks where ever necessary including fittings/casings which will enable the power driver to be fitted in each individual lamp unit independently in the Plastic Encapsulated LED/SMD lamps. With regard to Plastic Encapsulated LED lamps, the said power supply comprises of a small-sized inexpensive capacitor which will limit the current in the steady-state condition, while the transient conditions will be taken care of either through small resistors(s) connected with the current limiting capacitor or by the polarized electrolytic capacitor(s) shunted by high ohmic resistors and connected across a single or two equal numbered seriously connected LEDs bunch(es) after full/half wave rectification through bridge/half bridge rectifier(s) and filtered through that/those polarized electrolytic capacitor(s). With full wave rectification (100% duty cycle), heat sinks will be required which consists of a thick (at least 50% of the height of the LEDs) linemitted but not the bottom part and the LEDs) are fixed with glue. HF small sized electronic ballast chokes used in small powered (5-9w) CFLs is used for the LED to get more light and also for the SMD lamps with adequate heat sinks. HF 5-9W Electronic power supply normally used for a single plate containing 6/7 SMD pearls is used for 4/5 such plates i.e for 28-35- SMD pearls. In addition to these HF power supplies, LF very small autotransformers for supplying power to 35-70 SMD pearls are also used to make 2/4 SMD tube lights. All the plates containing SMD pearls are attached with adequate heat sinks.

38/2013 Novozymes A/S (whose legal address is Krogshoejvej 36, DK-2880 Bagsvaerd, Denmark) Priority: PCT/CN12/071336 Dated: 20-02-2012

POLYPEPTIDES HAVING ENDOGLUCANASE ACTIVITY AND POLYNUCLEOTIDES ENCODING SAME

IPC: C07K 14/37, C 12N 15/56, C 12N 15/63

1005551

Abstract: The present invention relates to isolated polypeptides having endoglucanase activity, catalytic domains, cellulose binding host cells comprising the polynucleotides as well as domains and polynucleotides encoding the polypeptides, catalytic domains or cellulose binding domains. The invention also relates to nucleic acid constructs, vectors, and methods of producing and using the polypeptides, catalytic domains or cellulose binding domains.

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| 40/2013 | Mafizur Rahman, (whose legal address is House no. 55. Road 5. Dhanmondi. Dhaka-1205, Bangladesh) and IWASAKI ELECTRIC CO. LTD (whose legal address is 1-4-16, Nihonbashi-bakurocho, Chuo-Ku, Tokyo 103-0002. Japan, Japan) and Priority: | <p>WATER SERVER HAVING ULTRAVIOLET LAMP</p> <p><i>IPC: C 02F 1/32</i></p> <p>1005552</p> <p>Abstract: A water server for supplying drinking water, characterized in that a container for stocking drinking water therein is mounted on a water receiver of a water server main body, drinking water which runs out of the container and pools in the water receiver is enabled to be supplied from a bottom portion of the water receiver through a cock to the outside of the water server, and at least one ultraviolet lamp is disposed in the water receiver to irradiate the drinking water pooling in the water receiver with ultraviolet light.</p> |
| 41/2013 | AS IP HOLDCO, LLC (whose legal address is One Centennial Avenue, Piscataway. New Jersey 08854, United States of America) Priority: | <p>Pour-Flush Latrines, Latrine Pans, Latrine Pan Assemblies, and Related Methods</p> <p><i>IPC: E 03D 1/34</i></p> <p>1005559</p> <p>Abstract: The invention described herein includes a pour-flush latrine pan mountable at a surface that includes a collection basin and a flapper. The collection basin has an upper bowl portion that tapers to an outlet extending through a wall of the collection basin at its lower end. The flapper includes a counterbalance device and a coverplate disposed on opposite sides of a pivot. The coverplate has a shape adapted to cover the outlet of the collection basin when the coverplate is engaged against the lower end of the collection basin. The flapper is pivotally mounted against the collection basin such that the coverplate engages against the lower end of the collection basin when a pivotal force attributable to the counterbalance device is greater than a pivotal force applied to the coverplate that engages the lower end of the collection basin. In an embodiment, the shape of the coverplate defines a channel that engages the lower end of the collection basin about its perimeter when the coverplate is engaged against the lower end of the collection basin. The invention also includes latrine pan assemblies, latrines and methods that employ the latrine pan.</p> |
| 45/2013 | Bangladesh Council of Scientific and Industrial Research (BCSIR) (whose legal address is Dr. Qudrat-I-Khuda Road, Dhanmondi, Dhaka-1205. Banglades) Priority: | <p>A PROCESS FOR THE PREPARATION OF MALTED SOYA FLOUR</p> <p><i>IPC: A 23B 7/005</i></p> <p>1005561</p> <p>Abstract: Germination or malting technology was applied to make Malted Soya Flour. Through this process, undesirable components and toxic substances of soya bean seeds were removed. Malted soya beans were also boiled for 1 hour to remove trypsin inhibitor and dried by a solar/mechanical drier upto a moisture content 9% dehydrated and ground to make flour. This process also enhances the nutritive value, palatability, digestibility and appearance of the product malted soya flour. The developed product is rich in protein (41.30%), essential amino acids energy (479.36 kcal/100g), vitamins, Phosphorus, calcium & iron contents.</p> |

- 46/2013 ZHEJIANG YILIDA VENTILATOR CO. LTD. a corporation organized and existing under the laws of P.R China (whose legal address is Yilida road. Hengjie town, Luqiao District, Taizhou City, Zhejiang 318056.P.R. China) Priority: CN 201210055354. 7. Dated: 05-03-2012
- BRUSHLESS DCMOTOR
- IPC: H 02K 1/12, 1/22*
- 1005562
- Abstract:** A brushless DC motor, comprising a stator having paired stator teeth, a rotor having paired magnetic poles and a rotating shaft fixed in the center of the rotor, wherein each of the stator teeth is wound with a winding, in each cross section of the stator, the connecting line between the intersection point of a tooth top arc of the stator tooth and the tooth axis of the stator tooth and the center of the tooth top arc can form a mechanical eccentric angle θ with the tooth axis of the stator tooth, which is more than θ degree and smaller than 90 degrees. The tooth top circle of the stator tooth is designed to be an arc, which is eccentric relative to the rotating center of the rotor, such that the brushless DC motor can eliminate the starting “dead point” and start successfully; a driving current following the rule of sinusoidal wave also can be coordinated to make air gap magnetic field change uniformly according to the rule of sinusoidal wave, thus reducing the torque ripple and the vibration noise.
- 47/2013 UNILEVER PLC. a company registered in England and wales under company no 41424. (whose legal address is Unilever House, 100 Victoria Embankment, London. EC4Y, ODY.GB. Formerly of Unilever House, Blackfriars, London, EC4P 4BQ, United Kingdom) Priority: EP 12168115 Dated: 15-05-2012 and IN 747/MUM/2012 Dated: 21-03-2012
- SOLID FORTIFICANT DOSING DEVICE
- IPC: C 02F 1/00, 1/68*
- 1005563
- Abstract:** The present invention relates to a dietary supplement dosing device that can be connected to a source of water to enable fortification of water at the time of dispensing. The present invention particularly relates to connecting the dietary supplement dosing device to a water purification device to consistently provide potable water having beneficial amounts of dietary supplement from a solid source. The present invention provides a device for fortifying drinking water with beneficial dietary supplement such as vitamins, minerals and electrolytes at 10-20% RDA per litre of water without affecting the organoleptic properties of water such colour, taste and odour. The present inventors have been able to design a device that ensures the right amount of dietary supplement is dispensed into the water from a source of solid dietary supplement while the water is being dispensed.
- 314/2012 LIM TONG KAY (whose legal address is ELLAL CHAMBER (6th Floor) 11. Motijheel C/A Dhaka-1000, Bangladesh)
- MULTI-STOREY BUILDING DESIGN
- IPC: E 04H 9/00*
- 1005558
- Abstract:** A multi-storey building according to the invention has a plurality of intermediate stacks and each intermediate stack connects to the next intermediate stake adjacently by a plurality of sky terraces. The plurality of sky terraces is alternately disposed at successive stories.

- 332/2012 Arrowhead Madison Inc. (whose legal address is 465 Science Drive, Suite C Madison, WI 53771, U,S,A. United States of America) Priority: US US 13/326,433 Dated: 15-12-2011
Abstract: The present invention is directed compositions for targeted delivery of RNA interference (RNAi) polynucleotides to hepatocytes in vivo. Targeted RNAi polynucleotides are administered together with co-targeted melittin delivery peptides. Delivery peptides provide membrane penetration function for movement of the RNAi polynucleotides from outside the cell to inside the cell. Reversible modification provides physiological responsiveness to the delivery peptides.
- 50/2013 “D-A- DINKO BAHOV” ET, BG., a Bulgarian company, (whose legal address is “ZELENALIVADA” No 21, AP.25300 GABROVO, BULGARIA.) Priority: BG 111170 Dated: 19-03-2012
 METHOD AND DEVICE FOR SPINNING OF YARN WITH AIR VORTEX
 IPC: D 01H 4/02
 1005554
Abstract: The method and the device find application for spinning of yarn through air vortex with high speed. The device includes the perforated outlet cylinder on which are formed Zone for feeding of the core fibers (3), Zone for feeding of the wrapping fibers (4) and in the end a joint zone for binding of the wrapping fibers (4) to the core fibers (3) and following zone for drafting of the loose ends of fibers (4), and the spinning chambers (7and 9) are placed one after another and form a joint body.
- 310/2012 YUPOONG, INC., a Company incorporated under the laws of Republic of Korea, (whose legal address is 416-1, Guro-dong Guro-gu, Seoul 152-050, Republic of Korea) Priority: KR 10-2011-0132223 Dated: 09-12-2011
 STRETCHABLE CAP HAVING SIZE CONTROLLER
 IPC: A 42B 1/00, 1/22
 1005555
Abstract: A stretchable cap having a size controller according to the exemplary embodiment of the present invention includes a crown portion stretchable to at least one direction, a sweat absorbing portion disposed in a lower portion of the crown portion to absorb sweat and stretchable to at least one direction, and a size controller provided for the crown portion adjusting the size of the cap to fit a wearer’s head. With such a configuration, the stretchable cap provided with the size controller offers the superior wearing comfort without causing either pressure or looseness to the head of a wearer. The size controller, after being adjusted at a predetermined size, can control the cap to fit the wearer’s head as the crown portion and the sweat absorbing portion positioned along the lower edge of the crown are formed to be stretchable.

MD. ELIAS BHUIYA
 Deputy Registrar (Patent & Design).