

রেজিস্টার্ড নং ডি এ-১

“জাতির পিতা বঙ্গবন্ধু শেখ মুজিবুর রহমানের  
জন্মশতবার্ষিকী উদ্‌যাপন সফল হোক”

বাংলাদেশ



গেজেট



কর্তৃপক্ষ কর্তৃক প্রকাশিত

বৃহস্পতিবার, সেপ্টেম্বর ২৪, ২০২০

৪র্থ খণ্ড

প্রথম খণ্ডে অন্তর্ভুক্ত প্রজ্ঞাপনসমূহ ব্যতীত পেটেন্ট অফিস কর্তৃক জারীকৃত প্রজ্ঞাপনসমূহ

পেটেন্ট, ডিজাইন ও ট্রেডমার্কস অধিদপ্তর  
শিল্প মন্ত্রণালয়  
৯১, মতিঝিল বা/এ, ঢাকা-১০০০।

গৃহীত পেটেন্ট দরখাস্ত

Accepted Patent Applications

এতদ্বারা জানানো যাইতেছে যে, নিম্নে বাম পার্শ্বে উল্লিখিত যে কোন পেটেন্ট আবেদনপত্র সম্পর্কীয় উদ্ভাবনের জন্য পেটেন্ট মঞ্জুরির বিরুদ্ধে যে সকল ব্যক্তি বিরোধিতা করিতে ইচ্ছুক তাঁহারা এই গেজেট প্রকাশের তারিখ হইতে চার মাস সময়সীমার 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 পেটেন্ট ও ডিজাইন বিধিমালা-১৯৩৩ অনুযায়ী ৬ নং নির্দিষ্ট ফরমে বিরোধিতা নোটিশ দাখিল করিতে পারিবেন।

নিম্নে ডান পার্শ্বে প্রদর্শিত সাত অংকবিশিষ্ট 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 আবেদনকারীর প্রয়োজনে টাইপ-রাইটারে মুদ্রিত বিশেষত্বনামার প্রত্যয়িত 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 তারিখরূপে 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 within four months from the date of 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 be printed and subsequent proceeding will be taken.

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 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 the Paris Convention.]

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| 68/ 2018 | Telefonaktiebolaget LM Ericsson (Publ), a corporation organized and existing under the laws of Sweden, (whose legal address is SE-164 83 Stockholm, Sweden)<br>Priority: SE<br>PCT/SE2017/050342<br>06/04/2017   | <p style="text-align: center;">WIDEBAND POWER AMPLIFIER ARRANGEMENT.</p> <p style="text-align: center;"><i>IPC:</i> H 03F 3/30</p> <p style="text-align: center;"><b>1006187</b></p> <p><b>Abstract:</b> A power amplifier arrangement for amplifying an input signal to produce an output signal comprises a plurality N of amplifier sections, a first input transmission line comprising multiple segments and a first output transmission line comprising multiple segments. Each amplifier section comprises one or more first transistors distributed along the first input transmission line and the first output transmission line. Each amplifier section is configured to amplify a portion of the input signal to produce a portion of the output signal. A portion of the input signal is one of N portions of the input signal partitioned on any one or a combination of an amplitude basis and a time basis. The output signal is produced at an end of the first output transmission line by building up N portions of the output signal from each amplifier section.</p> |
| 72/ 2018 | HONDA MOTOR CO., LTD., a corporation organized and existing under the laws of Japan, (whose legal address is 1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo, 107-8556, Japan). Priority: JP 2017-053694 Dated: 17/03/2017.   | <p style="text-align: center;">INTAKE STRUCTURE OF STRADDLE TYPE VEHICLE.</p> <p style="text-align: center;"><i>IPC:</i> F 16D 65/02</p> <p style="text-align: center;"><b>1006195</b></p> <p><b>Abstract:</b> This intake structure of a straddle type vehicle includes an air intake duct including an air intake inlet which opens in a forward-rearward direction of the vehicle and extending in the forward-rearward direction of the vehicle, and a duct support part configured to support the air intake duct on a side wall surface of an air cleaner cover.</p>  |
| 76/ 2018 | TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legal address is Jayalakshmi Estates, No. 29 (Old No.8), Haddows Road, Chennai 600 006, India)<br>Priority: IN 201741008757<br>Dated: 14/03/2017.               | <p style="text-align: center;">FRAME STRUCTURE FOR A MOTORCYCLE.</p> <p style="text-align: center;"><i>IPC:</i> B 62K 11/02</p> <p style="text-align: center;"><b>1006188</b></p> <p><b>Abstract:</b> The present invention discloses a motorcycle in which an electronic unit is secured to at least a portion of the frame structure, preferably a bridge frame member, through a primary support member, which may be mounted on said at least a portion of the frame structure directly or through a secondary support member, with a support pip preventing rotation of said primary support member about the secondary support member or about said at least a portion of the frame structure.</p>  |
| 79/ 2018 | ENVIROFIT INTERNATIONAL., INC, a corporation organized and existing under the laws of USA, (whose legal address is 109 North College Avenue, Suite 200, Fort Collins, Colorado 80524, United States of America)<br>Priority: US 62/470,763<br>Dated: 13/03/2017. | <p style="text-align: center;">DEVICES AND METHODS FOR LPG METERING.</p> <p style="text-align: center;"><i>IPC:</i> B 67D 7/04</p> <p style="text-align: center;"><b>1006196</b></p> <p><b>Abstract:</b> Disclosed herein are devices, methods, and systems that useful for allowing consumers to purchase a fluid in limited and/or discrete amounts or volumes, for example as-needed, daily, weekly, etc. In various embodiments, the disclosed devices, systems, and methods provide for an innovative fluid distribution system, including a device that can receive and monitor payment for a discrete amount of fluid, measure the</p>   |

fluid as it flows through the device, and stop fluid flow when the discrete amount of fluid has flowed through the device. The disclosed device may be in communication with a central server for receiving payment from the user, and providing information to the central server of the device's status.

92/ 2018 Toshiba Energy Systems & Solutions Corporation, a Japanese company, (whose legal address is 72-34, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0013, Japan) and Tokyo Electric Power Company Holdings, Incorporated, a Japanese company, (whose legal address is 1-3, Uchisaiwai-cho 1-chome, Chiyoda-ku, Tokyo 100-8560, Japan) Priority: JP 2017-063937  
Dated: 28/03/2017.

MONITORING SYSTEM, IMAGE INFORMATION PROVIDING DEVICE, CLIENT CONTROL DEVICE, IMAGE INFORMATION PROVIDING PROGRAM, AND CLIENT CONTROL PROGRAM.

IPC: H 02J 13/00

1006199

**Abstract:** A monitoring system that can easily cope with change of a monitoring range is provided. The monitoring system includes a monitoring control device, an image information providing device, and a client control device. The monitoring control device monitors infrastructure facilities and transmits statuses of the infrastructure facilities acquired on the basis of information input from a sensor to the image information providing device. The image information providing device generates original image information on the basis of the infrastructure facility statuses received from the monitoring control device. The client control device is connected to a display device and an operation device, receives information for designating a partial area of an entire image capable of being generated from the original image information from the operation device, transmits the received information to the image information providing device, and displays an image based on information received from the image information providing device on the display device.

101/ 2018 Compagnie Laitiere Europeenne, An entity Incorporated in France, (whose legal address is 50890 Conde-Sur-Vire, France) Priority: FR 52807  
Dated: 31/03/2017.

Hydrolysed Vegetable Proteins Adapted to Use for Feeding of Infants.

IPC: A 23J 3/30, 33/18

1006198

**Abstract:** The present invention relates to a process for the preparation of a hydrolysate of vegetable proteins having features suitable for a use in human food and, more particularly, for feeding of infants, to the hydrolysate as such and to its use.

122/ 2018 Toshiba Energy Systems & Solutions Corporation, Nationality: A corporation incorporated under the laws of Japan, (whose legal address is 72-34, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa 2120013, Japan) and Tokyo Electric Power Company Holdings, Incorporated, Nationality: A corporation incorporated under the laws of Japan, (whose legal address is 1-3, Uchisaiwai-cho 1-chome, Chiyoda-ku, Tokyo 1008560, Japan) Priority: JP 2017-087105 Dated: 26/04/2017.

MONITORING CONTROL SYSTEM.

IPC: H 02J 13/00

1006211

**Abstract:** Provided is a monitoring control system capable of improving efficiency of duties from the start instruction to the end of on-site operations. The monitoring control system is provided with at least one transmission monitoring control subsystem that performs monitoring control of a power transmission system; and at least one distribution monitoring control subsystem that performs monitoring control of a power distribution system. The transmission monitoring control subsystem and the distribution monitoring control subsystem are respectively provided with an operation procedure creation unit that creates an operation procedure that defines a procedure of an operation for a facility installed in an electric

power system including the power transmission system and the power distribution system, and an operation unit that, in a case where an on-site operation that cannot be remotely performed on the facility is included in the operation procedure, transmits, to an on-site terminal associated with the on-site operation, a start confirmation instruction to confirm whether or not the on-site operation can be started and the operation procedure for the on-site operation. The monitoring control system performs monitoring control of the power transmission system and the power distribution system on the basis of the operation procedure.

123/ 2018 Toshiba Energy Systems & Solutions Corporation, Nationality: A corporation incorporated under the laws of Japan, (whose legal address is 72-34, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa 2120013, Japan) and Tokyo Electric Power Company Holdings, Incorporated, Nationality: A corporation incorporated under the laws of Japan, (whose legal address is 1-3, Uchisaiwai-cho 1-chome, Chiyoda-ku, Tokyo 1008560, Japan) Priority: JP 2017-087104 Dated: 26/04/2017.

#### MONITORING CONTROL SYSTEM.

*IPC:* H 02J 13/00

**1006210**

**Abstract:** Provided is a monitoring control system capable of improving efficiency of data coordination between systems. The monitoring control system comprising : at least one transmission monitoring control subsystem that performs monitoring control of a power transmission system; at least one distribution monitoring control subsystem that performs monitoring control of a power distribution system; a calculation server that stores outage plan names related to outages of the power transmission system and outages of the power distribution system; and a network that connects the transmission monitoring control subsystem, the distribution monitoring control subsystem, and the calculation server, wherein the monitoring control system performs monitoring control of the power transmission system and the power distribution system on the basis of the outage plan name.

124/ 2018 DONGGUAN CRYSTAL KNITTING AND GARMENT CO., LTD., a company incorporated under the laws of China, (whose legal address is Sima Village, Changping Town, Dongguan, Guangdong 523000, China) Priority: CN 201710291371.3 Dated: 28/04/2017.

#### WIRELESS RADIO FREQUENCY COUNTING DEVICE.

*IPC:* G 06M 1/272

**1006185**

**Abstract:** The present application relates to a wireless radio frequency counting device, which includes a cabinet and an operation panel. A first movable door is provided at the opening of the front surface of the cabinet, and the first movable door is slidably connected to the front surface of the cabinet by a first upper guide rail and a first lower guide rail in parallel with each other. A second movable door is provided at the opening of the rear surface of the cabinet, and the second movable door is slidably connected to the rear surface of the cabinet by a second upper guide rail and a second lower guide rail in parallel with each other. An upper end of the first movable door is connected to an upper end of the second movable door by a movable door fixing support, a mounting bracket is provided on an upper surface of the cabinet, and a first cylinder connected to the movable door fixing support is provided on the mounting bracket. A roller fixing bracket is arranged in the cabinet, and multiple rollers are arranged on the roller fixing bracket, the rollers are connected to a driving motor by a transmission chain, and the driving motor is arranged in the cabinet by a cabinet internal bracket. A radio frequency reader is arranged in the cabinet. The wireless radio frequency counting device can automatically deliver material, scan autonomously and count accurately.

147/ 2018

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 3. Isteque Ahmed, (whose legal address is House # Andipur, Jahanara Vila, Rampur, Halishahor, Chittagong,  
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 5. Muzahidul Islam Anik, (whose legal address is Sollapara, Post: Boronagor-1441, P.S. Narayanganj, and District: Narayanganj, all are Nationals of Bangladesh, Bangladesh) and 4. Md. Sakib Ferdous, (whose legal address is House # 4, Section-C, Road-14, Senpara Parbata, Pallabi, Dhaka-1216, Bangladesh)

A device &amp; the Apparatus for Analysis of Bio-fluid.

*IPC:* A 23J 3/30, A 23L 33/18**1006215**

**Abstract:** A low-cost paper-based technique is presented for the qualitative and quantitative detection of uric acid in biofluids. Uric acid concentration in urine or other biofluids can be measured using the current invention. The paper-based device can give results in few seconds. The paper based diagnostic device could detect uric acid concentration as low as few ppm to as high as 500ppm. For uric acid concentration higher than 500 ppm, diluted sample can be used. According to one aspect, the device has a paper-based reaction zone which is treated with reagent#1. To detect uric acid in biofluid sample (e.g. urine), biofluid sample is to be applied on (or introduced to) the reaction zone followed by reagent#2. In presence of uric acid in the biofluid solution, the reagents instantaneous produce Prussian blue color on the paper-based reaction zone. The higher the uric acid concentration in biofluid solution, the higher will be the resultant color intensity. Following the above reaction mechanism, other aspects of the paper-based detection kit can be designed, such as: paper dipstick or paper fluidic detection kits. Artificial urine samples with different concentration of uric acid were used to calibrate the color intensity for the device. The reported technique is an early generation paper-based technique for the qualitative and quantitative detection of uric acid in biofluids. This technique also can be integrated as a part of digital diagnostics with the help of a camera of smart phone, tablet computer or laptop, and image processing software. Estimation of urinary uric acid using MATLAB coding on a windows platform was demonstrated as the use of software application and digital diagnostics.

158/ 2018

DONGGUAN CRYSTAL KNITTING AND GARMENT CO., LTD., a company incorporated under the laws of China, (whose legal address is Sima Village, Changping Town, Dongguan, Guangdong 523000, China)  
 Priority: CN  
 201710458234.4 Dated: 16/06/2017 and CN  
 201720715102.0 Dated: 16/06/2017.

FULL AUTOMATIC INTELLIGENT GARMENT PACKAGING SYSTEM.

*IPC:* B 65B 25/20**1006219**

**Abstract:** A full automatic intelligent garment packaging system is provided, which includes an automatic converging mechanism, an automatic picking and packaging mechanism connected with an automatic converging mechanism, and a carton sealing machine connected with the automatic picking and packaging mechanism. The automatic converging mechanism, the automatic picking and packaging mechanism and the carton sealing machine are all electrically connected to a programmable controller. The automatic converging mechanism is configured to pick and converge garments of different sizes based on a preset size proportion and convey the garments to the automatic picking and packaging mechanism through a conveyor belt. The automatic picking and packaging mechanism is configured to pick the garments based on the preset size proportion and package the garments into a carton. The carton is conveyed to the carton sealing machine through a conveyor belt.

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| 169/ 2018 | Telefonaktiebolaget LM Ericsson (Publ), a corporation organized and existing under the laws of Sweden, (whose legal address is SE-164 83 Stockholm, Sweden)<br>Priority: SE PCT/SE2017/050835 Dated: 21/08/2017.       | <p style="text-align: center;">MULTI-RAT WIRELESS COMMUNICATION.</p> <p style="text-align: center;"><i>IPC:</i> H 04W 52/02</p> <p style="text-align: center;"><b>1006216</b></p> <p><b>Abstract:</b> A wireless communication device is configured for use in a wireless communication system. The wireless communication device comprises a first radio access technology, RAT, module configured to perform functions relating to a first RAT. The wireless communication device also comprises a second RAT module configured to perform functions relating to a second RAT and perform a subset of the functions relating to the first RAT on behalf of the first RAT module. In some embodiments, the first RAT module is configured to operate in a low-power mode, a sleep mode, or a disabled mode when the second RAT module handles performance of the subset of the functions relating to the first RAT on behalf of the first RAT module.</p>   |
| 171/ 2018 | Saurer Germany GmbH & Co. KG, a company organized and existing under the laws of Germany, (whose legal address is Leverkusener Straße 65, 42897, Remscheid, Germany) Priority: DE 10 2017 115 939.8 Dated: 14/07/2017. | <p style="text-align: center;">A process for operating an air-jet spinning device, yarn guide channel and air-jet spinning machine comprising such a yarn guide channel.</p> <p style="text-align: center;"><i>IPC:</i> D 01H 1/115, 15/00</p> <p style="text-align: center;"><b>1006227</b></p> <p><b>Abstract:</b> The invention concerns a process for operating an air-jet spinning device after a spinning interruption, an air-jet spinning machine comprising a yarn guide channel and such a yarn guide channel. The air-jet spinning device is preceded in the direction of travel of the fibre web by a drafting system for warping a fibre web and a yarn take-up device, which can be driven individually by a motor, for taking off a yarn spun by means of the air-jet spinning device is connected downstream. In accordance with the invention, after a spinning interruption, the yarn end of the spun yarn accumulated on a take-up package is picked up by means of a suction nozzle and transferred to a yarn end preparation device arranged downstream of the air-jet spinning device in the direction of the sliver run, the yarn end is processed in the yarn end preparation device and is then transferred to the area of the outlet opening of the spinning cone, the yarn end is pneumatically transported to the inlet opening of the spinning cone and is positioned there within the air-jet spinning device at a distance in front of the inlet opening, the drafting system of the relevant workstation is raised and the sliver is conveyed through a sliver guide of the nozzle block into the area of the inlet opening of the spinning cone and there spun onto the prepared yarn end of the spun yarn.</p> |

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| 187/ 2018 | <p>TVS MOTOR COMPANY LIMITED, a Company duly organized and existing under the laws of India, (whose legal address is Jayalakshmi Estates, No. 29 (Old No. 8), Haddows Road, Chennai – 600006, India) Priority: IN 201741024008 Dated: 17/07/2017.</p> | <p style="text-align: center;">A CRANKSHAFT FOR AN INTERNAL COMBUSTION ENGINE.</p> <p style="text-align: center;"><i>IPC:</i> F 02B 79/00</p> <p style="text-align: center;"><b>1006223</b></p> <p><b>Abstract:</b> The present invention discloses an internal combustion engine comprising a crankshaft enclosed and supported within a crankcase. A pair of roller bearings supports said crankshaft on the crankcase. The crankshaft comprises a pair of non circular T shaped counterweights disposed on either side of the connecting rod and connected to each other by a crankpin, each of said pair of counterweights comprising a connection neck portion secured to a connecting rod, and an enlarged portion having a circular outer periphery and having the mass concentrated on the enlarged portion. There is a lubrication oil path in the crankshaft for supplying oil to lubricate the piston through oil splash. An oil cleaner assembly is disposed on at least one side of the crankshaft, said oil cleaner assembly is circular in shape and secured to at least one of pair of counterweights and said oil cleaner assembly forming part of the lubrication oil path to filter the oil before lubrication of the piston through oil splash.</p> |
| 200/ 2018 | <p>TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legal address is Jayalakshmi Estates, No.29 (Old No.8), Haddows Road, Chennai 600 006, India) Priority: IN 201741024520 Dated: 12/07/2017.</p>    | <p style="text-align: center;">SUPPORTING STRUCTURE FOR A TWO-WHEELED VEHICLE.</p> <p style="text-align: center;"><i>IPC:</i> B 62K 19/30</p> <p style="text-align: center;"><b>1006193</b></p> <p><b>Abstract:</b> The present invention relates to a saddle type vehicle comprising a frame assembly extending along a vehicle longitudinal direction. The frame assembly comprises a plurality of individual tubes welded together. At least one supporting structure is being detachably secured to at least one of said plurality of individual tubes of said frame assembly. Further, said at least one supporting structure adapted for demountably securing and routing one or more elongated elements on said vehicle.</p>   |
| 204/ 2018 | <p>Erber Aktiengesellschaft, a Company organized and existing under the laws of Austria, (whose legal address is Erber Campus 1, 3131 Getzersdorf bei Traismauer, Austria) Priority: EP 17001263.7 Dated: 24/07/2017.</p>                             | <p style="text-align: center;">APPARATUS FOR DELIVERING DROPLETS OF FLUIDS ONTO POULTRY HATCHLINGS.</p> <p style="text-align: center;"><i>IPC:</i> A 61D 1/02, 7/00</p> <p style="text-align: center;"><b>1006222</b></p> <p><b>Abstract:</b> A dispensing apparatus for delivering droplets of fluids such as liquids having a low viscosity or being soft gels onto poultry hatchlings that are present in movably mounted hatchling trays comprising at least one reservoir, at least one pumping unit, connected to at least one reservoir, with at least one manifold connected to at least one pumping unit, as well as a control unit. The apparatus comprises a plurality of optionally adjustable fluid atomizers being connected by flexible connecting means to at least one manifold, whereby the fluid atomizers are detachably and/or slidably connected on at least one mounting rail, and that optionally different types of fluid atomizers are distributed onto the mounting rail. Additionally, a method for delivering fluid droplets onto poultry hatchlings present in moving hatchling trays is described.</p>   |

- 210/ 2018 TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legal address is Jayalakshmi Estates, No.29 (Old No.8), Haddows Road, Chennai 600 006, India) Priority: IN 201741026508 Dated: 26/07/2017.
- EXHAUST DEVICE FOR A TWO WHEELED VEHICLE.  
*IPC: F 01N 13/20*  
**1006221**
- Abstract:** The present subject matter discloses an exhaust muffler device for an internal combustion engine comprising an exhaust pipe front portion and a muffler unit. The exhaust pipe front portion comprises an outer pipe portion extending from the exhaust port to the muffler unit, and an inner pipe portion disposed annularly within the outer pipe portion. The downstream end of the inner pipe portion is flared to increase in diameter as compared to the upstream end to obtain a zone of area change. Further, the ratio of the total length in unbent orientation measured along an axis of the inner pipe portion upstream end and the total length measured along an axis of the inner pipe portion downstream end is set to a first predetermined value, and the ratio of the diameter of the inner pipe portion downstream end and the diameter of the inner pipe portion upstream end is set to a second predetermined value. The zone of area change enables the reflection of the exhaust wave pulsations to assist in scavenging a combustion chamber of the IC engine.
- 215/ 2018 Two Blades Foundation, A Foundation incorporated under the laws of USA. (whose legal address is 1630 Chicago Avenue Suite 1901, Evanston 60201 IL, United States of America) Priority: US 62/538,020 Dated: 28/07/2017.
- Potyvirus Resistance Genes And Methods Of Use.  
*IPC: C 12N 15/82*  
**1006208**
- Abstract:** Compositions and methods and for enhancing the resistance of plants to plant diseases caused by potyviruses are provided. The compositions comprise nucleic acid molecules encoding resistance (R) gene products and variants thereof and plants, seeds, and plant cells comprising such nucleic acid molecules. The methods for enhancing the resistance of a plant to plant disease caused by a potyvirus comprise introducing a nucleic acid molecule encoding an R gene product into a plant cell. Additionally provided are methods for using the plants in agriculture to limit plant disease.
- 217/ 2018 R.J. Reynolds Tobacco Company, Nationality: A Company Incorporated in USA. (whose legal address is 401 North Main Street, Winston-Salem 27101-3804 NC, United States of America) Priority: US 62/539,160 Dated: 31/07/2017.
- Methods And Compositions For Viral-Based Gene Editing In Plants.  
*IPC: A 01H 1/06*  
**1006209**
- Abstract:** The present disclosure provides compositions and methods for editing a target site of a plant genome by delivery of functional editing components using modified tobacco mosaic virus. The methods disclosed herein can be used to deliver a gene editing system, such as a DNA endonuclease, to a tobacco plant cell for modification of a target site of the plant genome. Further, the methods and compositions disclosed herein provide for production of a RNA molecule encoding a meganuclease in vitro prior to delivery of the RNA to a plant cell. After introduction of the nucleic acid molecule encoding a functional editing component and subsequent expression of the functional editing components, the plant can be cultured and allowed to produce seeds having an edit at a genomic target site. The seeds can then undergo embryo rescue and be cultured to produce a modified plant without heterologous genetic material.



- 220/ 2018 INNER MONGOLIA YILI INDUSTRIAL GROUP CO., LTD., a Company duly organized and existing under the laws of China, (whose legal address is NO. 1, JINSHAN ROAD, JINSHAN DEVELOPMENT ZONE, HOHHOT, INNER MONGOLIA 010110, P.R., China) Priority: CN 201710673350.8 Dated: 09/08/2017.
- A method for producing of Deodorized goat/sheep milk and milk products.  
*IPC:* A 23C 7/04  
**1006224**
- Abstract:** The invention discloses a method for producing a deodorized goat/sheep milk, which method comprises purifying fresh goat/sheep milk or goat/sheep full cream, wherein the material is subjected to a carbon dioxide treatment during the purification, and the carbon dioxide treatment comprises: introducing carbon dioxide into the material, then refrigerating the material, and removing carbon dioxide. The producing method of the invention is simple, and has a good effect of removing muttony odor of goat/sheep milk. The present invention also discloses a deodorized goat/sheep milk and a deodorized goat/sheep milk product.
- 226/ 2018 Archroma IP GmbH, a company organized and existing under the laws of Switzerland, (whose legal address is Neuhofstraße. 11,4153 Reinach, Switzerland) Priority: EP 17185971.3 Dated: 11/08/2017; EP 17185976.2 Dated: 11/08/2017; EP 17185980.4 Dated: 11/08/2017 and EP 18173343.7 Dated: 18/05/2018.
- METHOD AND DEVICE FOR MAKING ANILINE-FREE LEUCOINDIGO SALT SOLUTIONS.  
*IPC:* C 09B 67/44, 7/12, D 06P 1/22  
**1006189**
- Abstract:** Method of making an aqueous aniline-free or aniline-free and N-methylaniline-free leucoindigo solution from an aqueous leucoindigo solution comprising aniline or aniline and N-methylaniline, the concentration of aniline or aniline and N-methylaniline being determined according to ISO 14362-1:2017, wherein said leucoindigo is in the form of an alkali metal salt, the method comprising at least steps providing a liquid stream comprising said aqueous leucoindigo solution comprising said amine;  
providing a purification stream; bringing into contact said liquid stream with said purification stream.
- 227/ 2018 Archroma IP GmbH, a company organized and existing under the laws of Switzerland, (whose legal address is Neuhofstraße. 11,4153 Reinach, Switzerland) Priority: EP 17185971.3 Dated: 11/08/2017; EP 17185976.2 Dated: 11/08/2017; EP 17185980.4 Dated: 11/08/2017 and EP 18173343.7 Dated: 18/05/2018.
- PURIFIED CONCENTRATED AQUEOUS LEUCOINDIGO SALT SOLUTIONS.  
*IPC:* C 09B 7/02, D 06P 1/22, 1/673  
**1006190**
- Abstract:** Aqueous leucoindigo solution comprising an aromatic amine, in particular aniline or aniline and N-methylaniline, wherein the concentration of the aromatic amine is below 200 ppm, wherein the leucoindigo salt in the solution is in the form of a mixed sodium and potassium salt, wherein the molar ratio of sodium to potassium is in the range of from above, preferably wherein the concentration of the salt is in the range of from above 25 to 45 % by weight, based on the total weight of the solution.

- 228/ 2018 Archroma IP GmbH, a company organized and existing under the laws of Switzerland, (whose legal address is Neuhofstraße. 11, 4153 Reinach, Switzerland) Priority: EP 17185971.3 Dated: 11/08/2017; EP 17185976.2 Dated: 11/08/2017; EP 17185980.4 Dated: 11/08/2017 and EP 18173343.7 Dated: 18/05/2018.
- METHODS OF MAKING LEUCOINDIGO SALT SOLUTIONS WITH VERY LOW ANILINE CONTENT.**
- IPC: C 09B 67/44, 7/12, D 06P 1/22*
- 1006191**
- Abstract:** Aqueous leucoindigo solution comprising an aromatic amine in the form of aniline or aniline and N-methylaniline, wherein said leucoindigo is in the form of an alkali metal salt; wherein the concentration of the aromatic amine is below 40 ppm determined according to ISO 14362-1:2017(E); and wherein the concentration of the leucoindigo salt is in a concentration range of from 15 to 45 % by weight based on the total weight of the solution, and wherein the solution is stable at a temperature of 23 °C; or wherein the concentration of the leucoindigo salt is in a concentration range of from 45 to 65 % by weight based on the total weight of the solution, and wherein the solution is stable at a temperature of 60 °C.
- 229/ 2018 Archroma IP GmbH, a company organized and existing under the laws of Switzerland, (whose legal address is Neuhofstraße. 11, 4153 Reinach, Switzerland) Priority: EP 17185971.3 Dated: 11/08/2017; EP 17185976.2 Dated: 11/08/2017; EP 17185980.4 Dated: 11/08/2017 and EP 18173343.7 Dated: 18/05/2018.
- LEUCOINDIGO SALT SOLUTION WITH VERY LOW CONTENT OF ANILINE AND METHOD OF MAKING SAME.**
- IPC: C 09B 67/44, 7/12, D 06P 1/22*
- 1006192**
- Abstract:** Stable aqueous leucoindigo solution comprising an aromatic amine in the form of aniline or aniline and N-methylaniline, wherein said leucoindigo is in the form of an alkali metal salt; wherein the concentration of the aromatic amine is below 40 ppm determined according to ISO 14362-1:2017; and wherein the concentration of the leucoindigo salt is in a concentration range of from 10 to 45 % by weight based on the total weight of the solution, and wherein the stability of the solution is measured at a temperature of 23 °C; or wherein the concentration of the leucoindigo salt is in a concentration range of from 45 to 65 % by weight based on the total weight of the solution, and wherein the stability of the solution is measured at a temperature of 60 °C.
- 236/ 2018 BASF SE, a company existing and organized under the laws of Germany, (whose legal address is Carl-Bosch-Strasse 38, 67056 Ludwigshafen am Rhein, Germany) Priority: EP 17 195 734.3 Dated: 10/10/2017.
- Method for monitoring at least one aquaculture pond and aquaculture pond monitoring system.**
- IPC: A 01K 61/13*
- 1006213**
- Abstract:** A method for monitoring at least one aquaculture pond is proposed. The method comprises: a) monitoring at least one aerial parameter of use of the at least one aquaculture pond (112);
- b) determining a temporal development of the aerial parameter of use; and
- c) determining an intensity of use.

241/ 2018 LONATI S.P.A, a Joint Stock Company of (whose legal address is Via Francesco Lonati, 3 25124 BRESCIA, Italy) Priority: IT 102018000002290 Dated: 01/02/2018.

METHOD FOR THE PRODUCTION OF PORTIONS OF MANUFACTURE BY MEANS OF A CIRCULAR KNITTING MACHINE WITH NEEDLE CYLINDER THAT CAN BE ACTUATED WITH AN ALTERNATING ROTARY MOTION ABOUT ITS OWN AXIS.

*IPC:* D 04B 1/10, 1/22, 1/26, 9/56

**1006194**

**Abstract:** A method for the production of portions of manufacture by means of a circular knitting machine with needle cylinder that can be actuated with an alternating rotary motion about its own axis, which comprises the following steps:– identifying a group of contiguous needles in the needle cylinder; – dividing the group of needles into two contiguous needle subgroups and, respectively a first needle subgroup and a second needle subgroup; – moving to knit at a feed or drop of the machine a needle subgroup of the two needle subgroups during the rotation of the needle cylinder in one direction and in the subsequent rotation in the opposite direction to form two partial rows of knitting in succession; – moving to knit at the feed the other needle subgroup of the two needle subgroups during the rotation of the needle cylinder in one direction of rotation and in the subsequent rotation in the opposite direction to form two partial rows of knitting in succession; – proceeding in this manner by alternating, every two partial rows of knitting, the needle subgroup that is moved to knit at the feed for a preset number of partial rows of knitting; at least one needle of a needle subgroup of the needle subgroups, located proximate to the other needle subgroup, being moved to knit in the forming of at least one of the two partial rows of knitting formed in each instance by the other needle subgroup for the interconnection of the partial rows of knitting formed by a needle subgroup with the partial rows of knitting formed by the other needle subgroup.

245/ 2018 TVS MOTOR COMPANY LIMITED, a company duly organized and existing under the laws of India, (whose legal address is Jayalakshmi Estates, No.29 (Old No.8), Haddows Road, Chennai 600 006, India) Priority: IN 201741029663 Dated: 22/08/2017.

SUPPORTING STRUCTURE FOR A TWO-WHEELED VEHICLE.

*IPC:* B 62K 19/30

**1006225**

**Abstract:** The present invention relates to a saddle type vehicle comprising a frame, a swing arm journaled to the frame, an electric motor coupled to the rear wheel and supplies a rotational driving force to the rear wheel and at least one supporting structure adapted for housing one or more energy storage devices therein. In the present invention, said at least one supporting structure comprises one or more mounting portions integrally formed to at least a portion thereof. The one or more mounting portions is configured for removably mounting said at least one supporting structure on at least a portion of said swing arm through said at least one mounting boss.

- 247/ 2018 HIL LIMITED, a Limited Company Organized and existing under the laws of India, (whose legal address is SLN TERMINUS, 7th Floor, Near Botanical Garden, Gachibowli, Hyderabad 500032, India)  
Priority: IN 201741035233  
Dated: 05/10/2017.
- Light-weight & high strength non-asbestos corrugated fiber cement roofing sheets manufactured by autoclave method.**
- IPC: C 04B 28/04*
- 1006207**
- Abstract:** A light weight and high strength non-asbestos corrugated fibre cement roofing sheets comprising, Portland cement, pozzolonic material, fibrous reinforcing material, bentonite clay and additives wherein said fibrous reinforcing material is a combination of plurality of fibres having 8 to 20% of cellulose fibre, 0 to 3% of modified PET fibers and 0 to 6% other fibers optionally containing 0 to 3% rock wool/modified rock wool, organic fiber like jute, bamboo and mineral fibers selected from wollastonite modified or unmodified, sepiolite and mineral fiber.
- 249/ 2018 Novozymes A/S, Nationality: A company organized and existing under the laws of Denmark, (whose legal address is Krogshoejvej 36, DK-2880, Bagsvaerd, Denmark)  
Priority: CN  
PCT/CN2017/099783  
Dated: 31/08/2017
- Method for inactivating a cellulase.**
- IPC: C 11D 3/386, C 12N 9/00*
- 1006205**
- Abstract:** The present invention relates to a method for inactivating a cellulase with a serine protease and a method for treating a textile.
- 258/ 2018 Saroj Vanijya Pvt. Ltd., a Company incorporated under the laws of India, (whose legal address is 7th Floor, 3A Ecospace, Plot No. 2F/11, New Town, Rajarhat, Kolkata – 700156 West Bengal, India)  
Priority: IN 201731032483  
Dated: 13/09/2017.
- METHOD OF PRODUCING RAW MATERIALS FOR USE IN PRODUCING A DRY MIX CONSTRUCTION MATERIAL.**
- IPC: B 28C 5/00*
- 1006220**
- Abstract:** A method and a system for producing raw materials for use in producing a dry mix construction material are disclosed. The method comprises the steps of obtaining a coarse aggregate having a mode average particle diameter in a predetermined range; obtaining a fine aggregate having a mode average particle diameter in range of 1/3 to 1/5 of the mode average particle diameter of the coarse aggregate; weighing a load of the coarse aggregate such that an amount of the coarse aggregate is in a range of 25 to 50 weight percentage of the DMC; weighing a load of the fine aggregate such that an amount of the fine aggregate is in a range of 25 to 42 weight percentage of the DMC; and mixing the weighed amount of the coarse aggregate and the weighed amount of the fine aggregate to obtain a first mixture for use in producing the DMC.

- 259/ 2018      Tensar Technologies Limited,  
a company duly organized and  
existing under the laws of  
United Kingdom, (whose  
legal address is Sett End  
Road, Shadsworth Business  
Park, Shadsworth, Blackburn,  
BB1 2PU, United Kingdom)  
Priority: GB 1715202.6  
Dated: 20/09/2017.
- GEOGRIDS.  
  
*IPC:* B 29D 28/00, E 02D 29/02, 3/00  
  
**1006214**
- Abstract:** There is disclosed a geogrid in the form of an integral, mesh structure comprising molecularly orientated polymeric material, the mesh structure formed of interconnecting mesh defining elements including elongate tensile elements wherein the molecular orientation of the mesh structure is uniform throughout the extent thereof. A method of making the geogrid is also described and its use in stabilizing, reinforcing or strengthening a mass of particulate material.
- 262/ 2018      LS CABLE & SYSTEM  
LTD. (a company  
incorporated under the laws of  
Republic of Korea), (whose  
legal address is (Hogye-dong)  
127 LS-ro, Dongan-gu,  
Anyang-si, Gyeonggi-do  
14119, Republic of Korea)  
Priority: KR 10-2017-  
0127098 Dated: 29/09/2017;  
KR 10-2017-0127099 Dated:  
29/09/2017 and KR 10-2017-  
0127100 Dated: 29/09/2017.
- CENTRAL TENSION MEMBER FOR OVERHEAD CABLE,  
OVERHEAD CABLE HAVING THE SAME, OVERHEAD  
TRANSMISSION SYSTEM HAVING OVERHEAD CABLE,  
AND METHOD OF CONSTRUCTING OVERHEAD  
TRANSMISSION SYSTEM.  
  
*IPC:* H 01B 9/006  
  
**1006217**
- Abstract:** Provided is a central tension member for an overhead cable, an overhead cable including the central tension member, an overhead transmission system including the overhead cable, and a method of constructing the overhead transmission system. Particularly, the present invention relates to a central tension member for an overhead cable, which is capable of giving a low-sagging feature to the overhead cable, has sufficient bending resistance to be suppressed from being damaged when the overhead cable is wound by a bobbin, a drum, a pulley, or the like to manufacture or install the overhead cable, and is capable of suppressing corrosion thereof and conductors arranged around the central tension member, reducing total resistance of the overhead cable to improve a power transmission rate, and suppressing the occurrence of fatigue cracks due to vibration generated continuously in an environment of use of the overhead cable, an overhead cable including the central tension member, an overhead transmission system including the overhead cable, and a method of constructing the overhead transmission system.
- 265/ 2018      9449710 CANADA INC, a  
company organized and  
existing under the laws of  
Canada, (whose legal address  
is 480 Fernand-Poitras Street,  
Terrebonne, QC J6Y 1Y4,  
Canada)  
Priority: US 15/706,484  
Dated: 15/09/2017.
- TEREPHTHALIC ACID ESTERS FORMATION.  
  
*IPC:* C 06C 67/03, C 08G 63/91  
  
**1006186**
- Abstract:** The present disclosure relates to the formation of terephthalate esters. The present invention also relates to the depolymerization of polyethylene terephthalate (PET) or poly (ethylene glycol-co-1, 4-cyclohexane-dimethanol terephthalate) and the recovery of terephthalate esters.

- 275/ 2018 Hexagon Ragasco AS, a Norwegian company, (whose legal address is Postboks 50, N-2831 Raufoss, Norway)  
Priority: EP 17194547.0  
Dated: 03/10/2017.
- METHOD AND APPARATUS FOR PREPARING A LINER FOR A COMPOSITE PRESSURE CONTAINER.
- IPC:* B 29C 49/04, 49/48, 49/50
- 1006197**
- Abstract:** Method and apparatus for blow moulding a container, wherein the method comprises the steps: a) extruding a tube shaped, hollow, elongated parison from an extrusion head, wherein the parison comprises one free end; b) closing a moulding equipment around the parison, wherein the moulding equipment comprises a moulding cavity and at least one aperture, wherein the at least one aperture provides an opening into the moulding cavity from outside the closed moulding equipment, wherein an excess section of the parison is arranged inside the at least one aperture, wherein the free end of the parison is kept in place in the moulding equipment opposite the at least one aperture; (c) holding the excess section of the parison in place within the at least one aperture by applying a holding force on the outside of the excess section of the parison; d)cutting the parison outside the closed moulding equipment, thereby providing the parison with an open end adjacent to the at least one aperture; e) arranging a blow pin within the open end of the parison such that said open end is closed by the blow pin; f) blowing pressurised gas from the blow pin into the parison, thereby forming a blow moulded container within the moulding cavity.
- 284/ 2018 CHT Germany GmbH, a company organized and existing under the laws of Germany, (whose legal address is Bismarckstraße 102 72072 Tübingen, Germany)  
Priority: DE 10 2017 125 010.7 Dated: 25/10/2017 and DE 10 2018 101 606.5  
Dated: 18/01/2018.
- PROCESS FOR REMOVING MANGANESE OXIDE DEPOSITS FROM TEXTILES SURFACES.
- IPC:* A 47C 7/42
- 1006226**
- Abstract:** The invention relates to a process for removing manganese oxide deposits from textiles, for example, dyed with indigo and/or Sulphur Black that were subjected to a bleaching treatment with, for example, potassium permanganate, in which mixtures of ascorbic acid and organic carboxylic acids are employed, and to the use of such mixtures for removing manganese oxides.
- 296/ 2018 ARVIND LIMITED, a company organized and existing under the laws of India, (whose legal address is NARODA ROAD, AHMEDABAD - 380025, GUJARAT, India)  
Priority: IN 201721037077  
Dated: 18/10/2017.
- PROCESS FOR DYEING FABRICS HAVING THERMOPLASTIC FIBRES USING OXIDATIVE DYES.
- IPC:* D 03D 13/00, 15/00, 15/08
- 1006212**
- Abstract:** The present invention provides a process for dyeing fabrics having thermoplastic fibres using oxidative dyes,

wherein fabric has a plurality of warp thermoplastic filaments or yarns having thermoplastic fibres on a front side and a plurality of weft yarn includes natural fibres or a blend of natural fibres and elastomeric fibres and/or man-made fibres on a rear side and the fabric is dyed on the front side and cured the dyed fabric at atleast 170 0C for a predetermined time to obtain a dyed thermoplastic fabric having denim-like fading characteristic.

2/ 2019

MITSUBISHI HITACHI  
POWER SYSTEMS  
ENVIRONMENTAL  
SOLUTIONS, LTD, a  
company organized and  
existing under the laws of  
Japan, (whose legal address is  
1-8, Sakuragi-Cho 1-Chome,  
Naka-Ku, Yokohama-Shi,  
Kanagawa 231-0062, Japan)  
Priority: JP 2018-004364  
Dated: 15/01/2018.

ELECTROSTATIC PRECIPITATOR.

IPC: B 03C 3/40

1006206

**Abstract:** An electrostatic precipitator is provided capable of preventing a reduction in dust collection effect of ionic wind, and increasing dust collection efficiency. The electrostatic precipitator includes: a plurality of collecting electrodes 4 in the form of circular pipes arranged at predetermined intervals in a direction orthogonal to a longitudinal direction of the electrodes; and a plurality of protrusions 5a protruding toward the collecting electrodes 4 and arranged offset in parallel with the orthogonal direction. An equivalent diameter of a cross section of the collecting electrode 4 is 30 mm to 80 mm. An opening ratio of the collecting electrodes arranged at predetermined intervals is 10% to 70%.

35/ 2019

Dolby Laboratories Licensing  
Corporation, a company  
incorporated under the laws of  
the State of New York, United  
States of America, (whose  
legal address is 1275 Market  
Steet, San Francisco,  
California 94103, United  
States of America)  
Priority: EP 18159055.5  
Dated: 28/02/2018 and US  
62/636,388  
Dated: 28/02/2018.

LINEAR ENCODER FOR IMAGE/VIDEO PROCESSING.

IPC: H 04N 19/46

1006218

**Abstract:** In some embodiments, an encoder device is disclosed to receive an input video stream containing images in a first dynamic range including a first image. The device receives a second image representing the first image. The device obtains statistical data for the first and the second images. The device determines, at a first time delay, a scene cut data from the input video stream and storing the scene cut data in a first sliding window. The device determines, at a second time delay, a first smoothing mapping function based on a second sliding window and the determined scene cut data. The device determines, at a third time delay, a second smoothing mapping function based on a third sliding window and the determined scene cut data. The device generates, at the third time delay, a composer metadata for the first image based on the first and second smoothing mapping functions.

- 392/ 2019 Saurer Germany GmbH & Co. KG, a company organized and existing under the laws of Germany, (whose legal address is Leverkuser Straße 65, 42897, Remscheid, Germany) Priority: DE 10 2017 115 939.8  
Dated: 14/07/2017.
- A process for operating an air-jet spinning device, yarn guide channel and air-jet spinning machine comprising such a yarn guide channel.
- IPC:* D 01H 1/115, 15/00
- 1006228**
- Abstract:** The invention concerns a process for operating an air-jet spinning device after a spinning interruption, an air-jet spinning machine comprising a yarn guide channel and such a yarn guide channel. The air-jet spinning device is preceded in the direction of travel of the fibre web by a drafting system for warping a fibre web and a yarn take-up device, which can be driven individually by a motor, for taking off a yarn spun by means of the air-jet spinning device is connected downstream. In accordance with the invention, after a spinning interruption, the yarn end of the spun yarn accumulated on a take-up package is picked up by means of a suction nozzle and transferred to a yarn end preparation device arranged downstream of the air-jet spinning device in the direction of the sliver run, the yarn end is processed in the yarn end preparation device and is then transferred to the area of the outlet opening of the spinning cone, the yarn end is pneumatically transported to the inlet opening of the spinning cone and is positioned there within the air-jet spinning device at a distance in front of the inlet opening, the drafting system of the relevant workstation is raised and the sliver is conveyed through a sliver guide of the nozzle block into the area of the inlet opening of the spinning cone and there spun onto the prepared yarn end of the spun yarn.
- 393/ 2019 Saurer Germany GmbH & Co. KG, a company organized and existing under the laws of Germany, (whose legal address is Leverkuser Straße 65, 42897, Remscheid, Germany) Priority: DE 10 2017 115 939.8  
Dated: 14/07/2017.
- A process for operating an air-jet spinning device, yarn guide channel and air-jet spinning machine comprising such a yarn guide channel.
- IPC:* D 01H 1/115, 15/00
- 1006229**
- Abstract:** The invention concerns a process for operating an air-jet spinning device after a spinning interruption, an air-jet spinning machine comprising a yarn guide channel and such a yarn guide channel. The air-jet spinning device is preceded in the direction of travel of the fibre web by a drafting system for warping a fibre web and a yarn take-up device, which can be driven individually by a motor, for taking off a yarn spun by means of the air-jet spinning device is connected downstream. In accordance with the invention, after a spinning interruption, the yarn end of the spun yarn accumulated on a take-up package is picked up by means of a suction nozzle and transferred to a yarn end preparation device arranged downstream of the air-jet spinning device in the direction of the sliver run, the yarn end is processed in the yarn end preparation device and is then transferred to the area of the outlet opening of the spinning cone, the yarn end is pneumatically transported to the inlet opening of the spinning



cone and is positioned there within the air-jet spinning device at a distance in front of the inlet opening, the drafting system of the relevant workstation is raised and the sliver is conveyed through a sliver guide of the nozzle block into the area of the inlet opening of the spinning cone and there spun onto the prepared yarn end of the spun yarn.

400/ 2019 Toshiba Energy Systems & Solutions Corporation, a Japanese Corporation, (whose legal address is 72-34, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0013, Japan) and Tokyo Electric Power Company Holdings, a Japanese company, (whose legal address is 1-3, Uchisaiwai-cho 1-chome, Chiyoda-ku, Tokyo 100-8560, Japan) Priority: JP 2017-063937  
Dated: 28/03/2017.

MONITORING SYSTEM, IMAGE INFORMATION PROVIDING DEVICE, CLIENT CONTROL DEVICE, IMAGE INFORMATION PROVIDING PROGRAM, AND CLIENT CONTROL PROGRAM.

*IPC:* H 02J 13/00

**1006200**

**Abstract:** A monitoring system that can easily cope with change of a monitoring range is provided. The monitoring system includes a monitoring control device, an image information providing device, and a client control device. The monitoring control device monitors infrastructure facilities and transmits statuses of the infrastructure facilities acquired on the basis of information input from a sensor to the image information providing device. The image information providing device generates original image information on the basis of the infrastructure facility statuses received from the monitoring control device. The client control device is connected to a display device and an operation device, receives information for designating a partial area of an entire image capable of being generated from the original image information from the operation device, transmits the received information to the image information providing device, and displays an image based on information received from the image information providing device on the display device.

401/ 2019 Tokyo Electric Power Company Holdings, a Japanese company, (whose legal address is 1-3, Uchisaiwai-cho 1-chome, Chiyoda-ku, Tokyo 100-8560, Japan) and Toshiba Energy Systems & Solutions Corporation, a Japanese corporation, (whose legal address is 72-34, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0013, Japan) Priority: JP 2017-063937  
Dated: 28/03/2017.

MONITORING SYSTEM, IMAGE INFORMATION PROVIDING DEVICE, CLIENT CONTROL DEVICE, IMAGE INFORMATION PROVIDING PROGRAM, AND CLIENT CONTROL PROGRAM.

*IPC:* H 02J 13/00

**1006201**

**Abstract:** A monitoring system that can easily cope with change of a monitoring range is provided. The monitoring system includes a monitoring control device, an image information providing device, and a client control device. The monitoring control device monitors infrastructure facilities and transmits statuses of the infrastructure facilities acquired on the basis of information input from a sensor to the image information providing device. The image information providing device generates original image information on the basis of the infrastructure facility statuses received from the monitoring control device. The client control device is connected to a display device and an operation device, receives

information for designating a partial area of an entire image capable of being generated from the original image information from the operation device, transmits the received information to the image information providing device, and displays an image based on information received from the image information providing device on the display device.

402/ 2019 Toshiba Energy Systems & Solutions Corporation, a Japanese company, (whose legal address is 72-34, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0013, Japan) and Tokyo Electric Power Company Holdings, a Japanese company, (whose legal address is 1-3, Uchisaiwai-cho 1-chome, Chiyoda-ku, Tokyo 100-8560, Japan) Priority: JP 2017-063937 Dated: 28/03/2017.

MONITORING SYSTEM, IMAGE INFORMATION PROVIDING DEVICE, CLIENT CONTROL DEVICE, IMAGE INFORMATION PROVIDING PROGRAM, AND CLIENT CONTROL PROGRAM.

*IPC:* H 02J 13/00

**1006202**

**Abstract:** A monitoring system that can easily cope with change of a monitoring range is provided. The monitoring system includes a monitoring control device, an image information providing device, and a client control device. The monitoring control device monitors infrastructure facilities and transmits statuses of the infrastructure facilities acquired on the basis of information input from a sensor to the image information providing device. The image information providing device generates original image information on the basis of the infrastructure facility statuses received from the monitoring control device. The client control device is connected to a display device and an operation device, receives information for designating a partial area of an entire image capable of being generated from the original image information from the operation device, transmits the received information to the image information providing device, and displays an image based on information received from the image information providing device on the display device.

403/ 2019 Toshiba Energy Systems & Solutions Corporation, a Japanese company, (whose legal address is 72-34, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0013, Japan) and Tokyo Electric Power Company Holdings, Incorporated, a Japanese company, (whose legal address is 1-3, Uchisaiwai-cho 1-chome, Chiyoda-ku, Tokyo 100-8560, Japan) Priority: JP 2017-063937 Dated: 28/03/2017

MONITORING SYSTEM, IMAGE INFORMATION PROVIDING DEVICE, CLIENT CONTROL DEVICE, IMAGE INFORMATION PROVIDING PROGRAM, AND CLIENT CONTROL PROGRAM.

*IPC:* H 02J 13/00

**1006203**

**Abstract:** A monitoring system that can easily cope with change of a monitoring range is provided. The monitoring system includes a monitoring control device, an image information providing device, and a client control device. The monitoring control device monitors infrastructure facilities and transmits statuses of the infrastructure facilities acquired on the basis of information input from a sensor to the image information providing device. The image information providing device generates original image information on the basis of the infrastructure facility statuses received from the monitoring control device. The client control device is

connected to a display device and an operation device, receives information for designating a partial area of an entire image capable of being generated from the original image information from the operation device, transmits the received information to the image information providing device, and displays an image based on information received from the image information providing device on the display device.

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MONITORING SYSTEM, IMAGE INFORMATION PROVIDING DEVICE, CLIENT CONTROL DEVICE, IMAGE INFORMATION PROVIDING PROGRAM, AND CLIENT CONTROL PROGRAM.

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