

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

নং-৩৬.০৮.০০০০.২০০.১৬.০০১.২২. ৪৭২

তারিখঃ ১৬/০৮/২০২৬ খ্রি.

বিষয়ঃ দাখিলকৃত পেটেন্ট আবেদনসমূহ ওয়েবসাইটে প্রকাশ।

বাংলাদেশ পেটেন্ট আইন, ২০২৩ এর ধারা ১৭(২) অনুযায়ী ডিপিডি-তে ২০২৫ সালে দাখিলকৃত পেটেন্ট আবেদন নং ১-৩, ৫-৯, ১১, ১৩-১৬, ১৯-৩০, ৩২-৪০ এবং ধারা ১৭(৪) অনুযায়ী ২০২৫ সালের পেটেন্ট আবেদন নং ১৪৩, ২১০, ২১৬, ২৪০, ২৭০, ২৭৮, ৩৭৩, ৪১১ ও ২০২৬ সালের পেটেন্ট আবেদন নং ১০, ৭৫, ৮৩, ৮৪, ১২১, ১৩৮, ১৭৫, ১৭৭, ২০০, ২৩০, ২৩৭, ২৪০, ২৪৫, ২৪৭, ২৪৯, ২৫১, ২৬১, ২৬৫, ২৬৬, ২৭৫-২৮৩ — সর্বমোট ৭০ (সত্তর) টি আবেদন নিম্নবর্ণিত তথ্যাদি সহ অধিদপ্তরের ওয়েবসাইটে (www.dpdt.gov.bd) প্রকাশ করা হল।

- (ক) উদ্ভাবনের শিরোনাম;
- (খ) পেটেন্ট আবেদনকারী ও উদ্ভাবকের নাম;
- (গ) আবেদন দাখিলের তারিখ ও নম্বর;
- (ঘ) অগ্রাধিকার নম্বর ও তারিখ, যদি থাকে;
- (ঙ) পেটেন্ট এর শ্রেণিবিন্যাস;
- (চ) উদ্ভাবনের মূল উপাদান চিত্রায়িত করে এইরূপ অংকন, যদি থাকে;
- (ছ) বিষয়বস্তুর সার-সংক্ষেপ।

সংযুক্তিঃ ৭০ (সত্তর) পাতা।



মোঃ হাবিবুর রহমান
উপ-পরিচালক (পেটেন্ট)

অনুলিপিঃ

- ১। পরিচালক (সকল), পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর, ঢাকা।
- ২। সিস্টেম এনালিস্ট, পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর। (ওয়েবসাইটে প্রকাশের জন্য)
- ৩। উপ-পরিচালক (পেটেন্ট) (সকল), পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর, ঢাকা।
- ৪। মহাপরিচালক মহোদয়ের ব্যক্তিগত সহকারী, পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর, ঢাকা।



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-1 (22) Filed: 01/01/2025	
(23) Priority Data: India, Number :202441000763, Date : 04-01-2024.	
(71) Applicant: TVS Motor Company Limited of Chaitanya, No 12 Khader Nawaz Khan Road, Nungambakkam, Chennai-600 006, Nationality -India	
(72) Inventors: (1) GUTTI GNANAKOTAIAH of TVS Motor Company Limited, Chaitanya, No 12 Khader Nawaz Khan Road, Nungambakkam, Chennai - 600 006, India Nationality -India, (2) KUPPURAJ PUSHPAPRIYA of TVS Motor Company Limited, Chaitanya, No 12 Khader Nawaz Khan Road, Nungambakkam, Chennai - 600 006, India Nationality -India, (3) RAMALINGAM GOVINDHARAJ of TVS Motor Company Limited, Chaitanya, No 12 Khader Nawaz Khan Road, Nungambakkam, Chennai - 600 006, India Nationality -India, (4) MYSORE KRISHNAMURTHY AJAYKUMAR of TVS Motor Company Limited, Chaitanya, No 12 Khader Nawaz Khan Road, Nungambakkam, Chennai - 600 006, India Nationality -India, (5) SONAA RAJENDRAN of TVS Motor Company Limited, Chaitanya, No 12 Khader Nawaz Khan Road, Nungambakkam, Chennai - 600 006, India Nationality -India, (6) ARUMUGAM KARTHICK of TVS Motor Company Limited, Chaitanya, No 12 Khader Nawaz Khan Road, Nungambakkam, Chennai - 600 006, India Nationality -India	
(74) Agent : Rana & Associates, Nipobon Asgar Garden, 462, Green Way, Flat No. A/2 (2nd Floor), Moghbazar, Dhaka-1217, Bangladesh	
(51) INT. CL. : F16H 55/17	
(54) Invention Title: A GEAR ASSEMBLY OF AN INTERNAL COMBUSTION ENGINE AND A METHOD FOR TORQUE TRANSMISSION	
(57) Abstract The present subject matter relates generally a gear assembly (200) for a transmission assembly of an internal combustion engine (100) and a method (500) for a torque transmission in a vehicle. The gear assembly (200) comprises one or more gears (201, 202, 203, 204), a rotating member (101), and a shifting member (209). The one or more gears (201, 202, 203, 204) is configured to interchangeably transmit torque in a first configuration and a second configuration. The rotating member (101) is configured to freely rotate on the drive shaft (300). The rotating member (101) is configured to be enmeshed with a final gear drive (210) via a first head (102). The shifting member (209) is configured to slide axially on a plurality of splines (106) on a second head, in order to interchangeably engage the rotating member (101) in first configuration and second configuration.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-3 (22) Filed: 02/01/2025	
(23) Priority Data: N/A	
(71) Applicant: Bangladesh Fisheries Research Institute of Marine Fisheries & Technology Station, Cox's bazar-4700, Nationality -Bangladesh	
(72) Inventors: (1) Md. Mohidul Islam, Senior Scientific Officer of Bangladesh Fisheries Research Institute, Marine Fisheries & Technology Station, Cox's bazar-4700, Bangladesh Nationality -Bangladesh, (2) Dr. Shafiqur Rahman, Principal Scientific Officer of Bangladesh Fisheries Research Institute, Marine Fisheries & Technology Station, Cox's bazar-4700, Bangladesh Nationality -Bangladesh	
(51) INT. CL. : A01G 33/00	
(54) Invention Title: METHOD FOR SEAWEED CULTIVATION AND SEAWEED VALUE-ADDED PRODUCT DEVELOPMENT	
(57) Abstract Seaweeds are a significant component of current marine aquaculture production and will play an increasing role in the global food security. Seaweeds are converted into various goods, such as food and nutritional supplements for humans and livestock, fertilizer, unique biochemicals, and biofuels. Seaweed cultivation offers multiple ecosystem services, such as bioremediation for coastal pollution, localized control of ocean acidification, mitigation of climate change, and habitat for other marine organisms. Seaweed can be cultivated in intertidal or beyond the ocean's intertidal zone. Several seaweed cultivation methods were developed, including long lines, square nets, floating rafts, and triangular-shaped rafts. Applying these methods in large-scale commercial cultivation of economically important seaweed species can increase seaweed production to a greater extent. Applying these methods will not only enhance its production scale but will also help protect seaweed biodiversity by reducing harvest demand on natural resources. Furthermore, value can be added to cultured seaweed products according to the requirements of the different markets. Development of different value-added seaweed products, i.e., noodles sticks, cookies, soup, balachao, and chips from raw seaweeds, will ensure diversified use of seaweed and the economic viability of this sector. The micro-nutrient and mineral contents of the seaweed can meet the nutritional demand of the country's coastal population. The present invention is directed to different methods of seaweed cultivation (long line, square net, floating raft, and triangular-shaped raft) either intertidal or beyond the intertidal zone of the open sea, and different value-added seaweed products (noodles stick, cookies, soup, balachao, and chips) to economic profitability and fulfil the nutritional demand of the coastal population of the country. The method of the present invention comprises the procedures of outdoor seaweed cultivation and steps to adding value to the raw seaweed that can play a role in our national economy.	 Figure1: Seaweed produced in long line method



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-5 (22) Filed: 05/01/2025	
(23) Priority Data: United States of America, Number :63617802, Date : 05-01-2024.	
(71) Applicant: Olam Americas, LLC of 205 East River Park Circle, Suite 310, Fresno, CA, Nationality -United States of America	
(72) Inventors: (1) Larry A. Hanson of 2912 S. Giddings Street, Visalia, CA, United States of America Nationality - United States of America, (2) John C. Zwonitzer of 11665 Ave 200, Tulare, CA, United States of America Nationality - United States of America, (3) Agustin Agraz-Merino of 545 Corsica Place, Arroyo Grande, CA 93420, United States of America Nationality -United States of America, (4) Cesar Rafael Saray Meza of 810 E. Palm Drive, Hanford, CA, United States of America Nationality -United States of America	
(74) Agent : REMFRY & SON, PATENT & TRADE MARK ATTORNEYS, 56, Nnew Eskaton Road, 4th Floor, G.P.O BOX NO-855, Dhaka-1000, DHAKA, Bangladesh	
(51) INT. CL. : A01H 4/00	
(54) Invention Title: HARDNECK GARLIC WITH SUBSTANTIAL SOLUBLE SOLIDS CONTENT	
(57) Abstract The disclosure provides clonal hardneck garlic plants having a substantial soluble solids content. The clonal hardneck garlic plants may produce true garlic seed. The disclosure thus relates to the plants, seeds and tissue cultures of clonal hardneck garlic plants having a substantial soluble solids content and which may be capable of producing true garlic seed.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

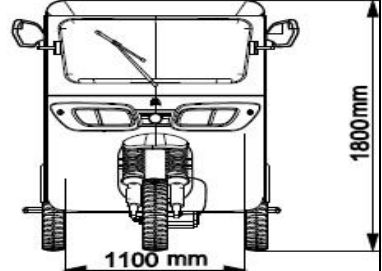
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-6 (22) Filed: 05/01/2025	
(23) Priority Data: United Kingdom, Number :24009664, Date : 25-01-2024.	
(71) Applicant: Nokia Technologies Oy of Karakaari 7, FI-02610 Espoo, Nationality -Finland	
(72) Inventors: (1) KOSKINEN Jussi-Pekka of Kipinäkuja 10, 90420 Oulu, Finland Nationality -Finland, (2) TURTINEN Samuli Heikki of Salongintie 15, 91100 Ii, Finland Nationality -Finland, (3) BLUSZCZ Jakub Janusz of Macieja Rataja 29, 41-800 Zabrze, Poland Nationality -Poland	
(74) Agent : REMFRY & SON, PATENT & TRADE MARK ATTORNEYS, 56, Nnew Eskaton Road, 4th Floor, G.P.O BOX NO-855, Dhaka-1000, DHAKA, Bangladesh	
(51) INT. CL. : H04W 48/02	
(54) Invention Title: AVOIDANCE OF BARRING FOR 1 RX/2 RX DEVICES	
(57) Abstract An apparatus configured to: receive an indication that an access on a network entity is barred for two receiver branches use; receive an indication that access on the network entity is not barred for one receiver branch use; determine that the apparatus is configured to use the one receiver branch and the two receiver branches; and determine that access on the network entity is not barred for the apparatus. An apparatus configured to: transmit, to a user equipment, an indication that access on a network entity is barred for two receiver branches use; transmit, to the user equipment, an indication that access on the network entity is not barred for one receiver branch use; and receive, from the user equipment, an access request, wherein the user equipment is configured to use the one receiver branch and the two receiver branches.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-7 (22) Filed: 08/01/2025	
(23) Priority Data: N/A	
(71) Applicant: Abdul Jabbar Masud- Secretary General of Fare Complex, 2nd Floor, 11/8/E Free School Street, Panthapath, Dhaka-1205, Nationality -Bangladesh, Engr. Md. Fazle Rabbe of Fare Complex 2nd Floor, 11/8/E Free School Street, Panthapath, Dhaka-1205, Nationality -Bangladesh	
(72) Inventors: (0) Engr. Md. Fazle Rabbe of Fare Complex 2nd Floor, 11/8/E Free School Street, Panthapath, Dhaka-1205, Bangladesh Nationality -Bangladesh, (1) Abdul Jabbar Masud- Secretary General of Fare Complex, 2nd Floor, 11/8/E Free School Street, Panthapath, Dhaka-1205, Bangladesh Nationality -Bangladesh	
(51) INT. CL. : B62C 1/02	
(54) Invention Title: Application for Patent Registration of Electric Vehicles (EV) Three-Wheeler (6+1) Passenger	
(57) Abstract	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

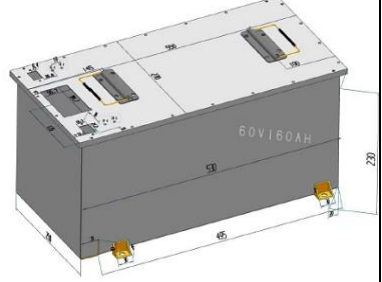
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-8 (22) Filed: 08/01/2025	
(23) Priority Data: N/A	
(71) Applicant: Engr. Md. Fazle Rabbe of Fare Complex 2nd Floor, 11/8/E Free School Street, Panthapath, Dhaka-1205, Nationality -Bangladesh, Abdul Jabbar Masud of Fare Complex 2nd Floor, 11/8/E Free School Street, Panthapath, Dhaka-1205 , Nationality -Bangladesh	
(72) Inventors: (0) Engr. Md. Fazle Rabbe of Fare Complex 2nd Floor, 11/8/E Free School Street, Panthapath, Dhaka-1205, Bangladesh Nationality -Bangladesh, (1) Abdul Jabbar Masud of Fare Complex 2nd Floor, 11/8/E Free School Street, Panthapath, Dhaka-1205, Bangladesh Nationality -Bangladesh	
(51) INT. CL. : B60L 53/00	
(54) Invention Title: Configured, formulated, and customized of 48V/60V 20A fast charger particular use to charge 48V108Ah & 60V160Ah Lithium NMC batteries for Electric Vehicles (EVs) which integrated with a high-tech Battery Management System (BMS)	
(57) Abstract	Customized 48v/60v 20A charger drawing This advanced charging technology was developed by: 01. Engr. Md. Fazle Rabbe, Research Fellow- THE LINQ (A Platform for New Ideas & Research). 02. Abdul Jabbar Masud, Research Fellow- THE LINQ (A Platform for New Ideas & Research).



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

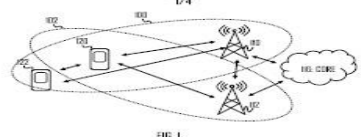
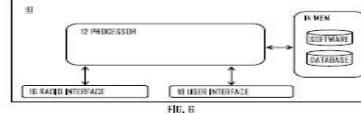
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-9 (22) Filed: 08/01/2025
(23) Priority Data: N/A
(71) Applicant: Engr. Md. Fazle Rabbe of Fare Complex 2nd Floor, 11/8/E Free School Street, Panthapath, Dhaka-1205, Nationality -Bangladesh, Abdul Jabbar Masud of Fare Complex 2nd Floor, 11/8/E Free School Street, Panthapath, Dhaka-1205 , Nationality -Bangladesh
(72) Inventors: (0) Engr. Md. Fazle Rabbe of Fare Complex 2nd Floor, 11/8/E Free School Street, Panthapath, Dhaka-1205, Bangladesh Nationality -Bangladesh, (1) Abdul Jabbar Masud of Fare Complex 2nd Floor, 11/8/E Free School Street, Panthapath, Dhaka-1205, Bangladesh Nationality -Bangladesh
(51) INT. CL. : B60L 53/53
(54) Invention Title: 48V108Ah & 60V160Ah Lithium NMC, (Nickel, Manganese, Cobalt Oxide) batteries
(57) Abstract 



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-11 (22) Filed: 09/01/2025	
(23) Priority Data: United Kingdom, Number :24013278, Date : 01-02-2024.	
(71) Applicant: Nokia Technologies Oy of Karakaari 7, 02610 Espoo, Nationality -Finland	
(72) Inventors: (1) Samuli Heikki TURTINEN of Salongintie 15, 91100 Ii, Finland Nationality -Finland, (2) Jussi-Pekka KOSKINEN of Kipinäkuja 10, 90420 Oulu, Finland Nationality -Finland, (3) Jakub Janusz BLUSZCZ of Macieja Rataja 29, 41-800 Zabrze, Poland Nationality -Poland	
(74) Agent : REMFRY & SON, PATENT & TRADE MARK ATTORNEYS, 56, Nnew Eskaton Road, 4th Floor, G.P.O BOX NO-855, Dhaka-1000, DHAKA, Bangladesh	
(51) INT. CL. : H04W 72/04	
(54) Invention Title: CELL BARRING	
(57) Abstract There is provided a method performed by a user equipment, the method comprising:supporting at least one of a first reception mode with only one receive (Rx) branch or a second reception mode with at least two Rx branches;detecting, from a network node associated with a cell, at least one of a first barring indication associat-ed with the first reception mode or a second bar-ring indication associated with the second reception mode;determining whether a predetermined condition is met based on the supported at least one reception mode and at least one of the first barring indication and the second barring indication; and determining that the cell is barred for the user equipment when the predetermined condition is met.	 



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-13 (22) Filed: 13/01/2025	
(23) Priority Data: Japan, Number :2024014870, Date : 12-04-2024.	
(71) Applicant: THE VICTAULIC COMPANY OF JAPAN LIMITED of 8-7, Roppongi 1-chome, Minato-ku, Tokyo 106-0032, Nationality -Japan	
(72) Inventors: (1) WADA, Masanori of 8-7, Roppongi 1-chome, Minatoku, Tokyo 106-0032, Japan Nationality - Japan, (2) MORIKAWA, Yukinori of 8-7, Roppongi 1-chome, Minatoku, Tokyo 106-0032, Japan Nationality -Japan, (3) KOMAKI, Fuga of 8-7, Roppongi 1-chome, Minatoku, Tokyo 106-0032, Japan Nationality -Japan, (4) NAKAMURA, Yuki of 8-7, Roppongi 1-chome, Minatoku, Tokyo 106-0032, Japan Nationality -Japan	
(74) Agent : Munshi & Associates, 194/D/1, Tejkunipara, Tejgaon, Dhaka-1215 , Bangladesh	
(51) INT. CL. : B60W 50/04	
(54) Invention Title: MONITORING SYSTEM	
(57) Abstract Provided is a monitoring system that makes it possible to make the replacement of a sensor mounted to an object to be monitored less frequent. One example of a monitoring system of the present invention includes: a vibration string sensor (8) that is mounted to an object to be monitored, the object including a water pipeline or a bridge, and that outputs, when a vibration string (8g) built in the vibration string sensor (8) is vibrated freely, an electrical signal corresponding to vibration of the vibration string (8g); and a determiner (34b) that determines a state of the object to be monitored based on a peak frequency within a second frequency range that does not include a first frequency range including a natural frequency of the vibration string (8g), the peak frequency being obtained by performing frequency analysis on measurement data of the electrical signal outputted from the vibration string sensor (8).	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

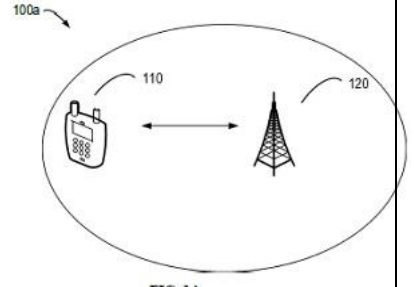
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-14 (22) Filed: 13/01/2025	
(23) Priority Data: Japan, Number :2024004379, Date : 08-02-2024.	
(71) Applicant: YKK CORPORATION of c/o YKK CORPORATION Kurobe, 200, Yoshida, Kurobe-shi, Toyama 9388601, Nationality -Japan	
(72) Inventors: (1) WANG, Mingsi of c/o YKK CORPORATION Kurobe, 200, Yoshida, Kurobe-shi, Toyama 9388601, Japan Nationality -China, (2) YAMAGISHI, Koji of c/o YKK CORPORATION Kurobe, 200, Yoshida, Kurobe-shi, Toyama 9388601, Japan Nationality -Japan	
(74) Agent : REMFRY & SON, PATENT & TRADE MARK ATTORNEYS, 56, Nnew Eskaton Road, 4th Floor, G.P.O BOX NO-855, Dhaka-1000, DHAKA, Bangladesh	
(51) INT. CL. : B29D 5/00	
(54) Invention Title: SLIDER FOR SLIDE FASTENER AND METHOD OF PRODUCING THE SAME	
(57) Abstract An attachment base (5) and an attachment cover (40) are engageable with each other so as to at least allow the attachment cover (40) to be attached to the attachment base (5) in a first attachment state and a second attachment state in this order to thereby decrease a space (50) between the slider body (10) and the attachment cover (40) step-wise in an up-down direction. In the first attachment state, an entirety of the pawl member (30) is displaceable in a space (50) between the slider body (10) and the attachment cover (40) in the up-down direction.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-15 (22) Filed: 13/01/2025	
(23) Priority Data: China, Number :2024073377, Date : 19-01-2024.	
(71) Applicant: Nokia Technologies Oy of Karakaari 7, 02610 Espoo, Nationality -Finland	
(72) Inventors: (1) Samuli Heikki TURTINEN of Salongintie 15, li, 91100, Finland Nationality -Finland, (2) Jussi-Pekka KOSKINEN of Kipinäkuja 10, Oulu, 90420, Finland Nationality -Finland, (3) Lei DU of Xianglinjun 5-1-501, Haidian District, Beijing, 100085, China Nationality -China, (4) Lars DALSGAARD of Torpantie 56, Oulu, 90230, Finland Nationality -Denmark	
(74) Agent : REMFRY & SON, PATENT & TRADE MARK ATTORNEYS, 56, Nnew Eskaton Road, 4th Floor, G.P.O BOX NO-855, Dhaka-1000, DHAKA, Bangladesh	
(51) INT. CL. : H04W 76/28	
(54) Invention Title: MEASUREMENT RELAXATION	
(57) Abstract Example embodiments of the present disclosure relate to measurement relaxation. In an aspect, a terminal device determines a short discontinuous reception (DRX) cycle and a long DRX cycle configured for the terminal device. Based on at least one of the short DRX cycle or the long DRX cycle, the terminal device determines at least one of (i) whether the terminal device is allowed to relax a measurement, or (ii) a relaxed evaluation period for the measurement. In this way, the UE behavior is predictable and thus communication efficiency or effectiveness in a communication system can be improved.	 FIG. 1A



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

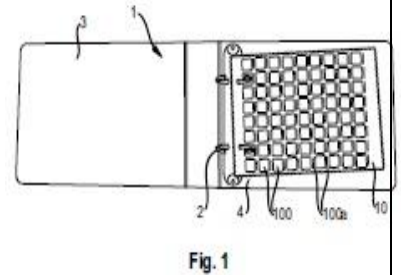
(11) Patent registration No and date , (21) Appl. No. BD-P-2025-16 (22) Filed: 13/01/2025	
(23) Priority Data: Japan, Number :2024004377, Date : 08-02-2024.	
(71) Applicant: YKK CORPORATION of c/o YKK CORPORATION Kurobe, 200, Yoshida, Kurobe-shi, Toyama 9388601, Nationality -Japan	
(72) Inventors: (1) WANG, Mingsi of c/o YKK CORPORATION Kurobe, 200, Yoshida, Kurobe-shi, Toyama 9388601, Japan Nationality -China	
(74) Agent : REMFRY & SON, PATENT & TRADE MARK ATTORNEYS, 56, Nnew Eskaton Road, 4th Floor, G.P.O BOX NO-855, Dhaka-1000, DHAKA, Bangladesh	
(51) INT. CL. : B29D 5/00	
(54) Invention Title: SLIDER FOR SLIDE FASTENER AND METHOD OF PRODUCING THE SAME	
(57) Abstract An attachment cover (40) of slider (1) has an extent of flexibility that allows elastic deformation of the attachment cover (40) including increase and decrease in a distance between the first and second legs (41, 42) so as to enable snap attachment of the attachment cover (40) to the attachment base (5). Also, the attachment cover (40) has at least one contact protrusion (60) that is in contact with the pawl member (30) to form a fulcrum for elastic deformation of the pawl member (30) in a state where the attachment cover (40) is attached to the attachment base (5).	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-19 (22) Filed: 15/01/2025	
(23) Priority Data: China, Number :2024100675640, Date : 16-01-2024. and Germany, Number :1020241020288, Date : 24-01-2024.	
(71) Applicant: Archroma IP GmbH of Neuhofstr. 11, 4153 Reinach, Nationality -Switzerland	
(72) Inventors: (1) HIPPS, Christopher Wayne of 4252 Denbigh Drive Charlotte, NC 28226, United States of America Nationality -United States of America, (2) MAESTRIPIERI, Christophe Louis of 1493 chemin du plat Parez 59890 Quesnoy sur Deule, France Nationality -France, (3) SNIPES, Angela Michelle of 314 East Gaston Avenue Bessemer City, NC 28016, United States of America Nationality -United States of America, (4) LI, Guo Judy of c/o Archroma Chemicals (China) Ltd Guangzhou Branch No.2 Nan Yun San Road Science City Guangzhou Hi-Tech Industrial Development Zone Guangzhou, 510663, China Nationality -China	
(74) Agent : REMFRY & SON, PATENT & TRADE MARK ATTORNEYS, 56, Nnew Eskaton Road, 4th Floor, G.P.O BOX NO-855, Dhaka-1000, DHAKA, Bangladesh	
(51) INT. CL. : D21H 21/28	
(54) Invention Title: Color Library System and Flexible Color Palette Sheet therefor.	
(57) Abstract A color library system is disclosed. It comprises a binder having a binding part; a flexible color palette sheet 10 having a connection part 11 for an optionally detachable insertion into the binding part of the binder; optionally a front cover of the binder being attached such at the binding part that it can be flipped open; and optionally a back cover of the binder, wherein the flexible color palette sheet 10 is made of a flexible substrate, and multiple color samples 100 for illustrating colors corresponding to respective color codes 100a, said multiple color samples 100 being attached on a side of the flexible color palette sheet 10, and said color codes 100a being indicated on the flexible color palette sheet 10 at the corresponding color samples 100. Furthermore, a flexible color palette sheet 10 for this color library system is disclosed.	





গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-20 (22) Filed: 15/01/2025	
(23) Priority Data: China, Number :2024201157964, Date : 17-01-2024.	
(71) Applicant: Xiamen Hongfa Electric Power Controls Co. of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, Nationality -China	
(72) Inventors: (0) ZHONG, Shuming of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, China Nationality -China, (1) JIANG, Ziyu of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, China Nationality -China, (2) LI, Fangneng of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, China Nationality -China, (3) YIN, Jianfeng of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, China Nationality -China, (4) DAI, Wenguang of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, China Nationality -China	
(74) Agent : SUPREMEIP Law Firm, 121 Motijheel C/A (1st Floor), Dhaka-1000, Bangladesh	
(51) INT. CL. : H01H 50/64	
(54) Invention Title: MAGNETIC LATCHING RELAY	
(57) Abstract The present disclosure relates to a magnetic latching relay, including a case, an armature assembly and a microswitch. The armature assembly is movably assembled in the case, and the microswitch is configured to be triggered because of fitting with a movable action of the armature assembly. The case is provided with a cavity for mounting the armature assembly, a mounting groove is disposed at a position adjacent to the cavity, the microswitch includes a housing, a trigger spring piece and a plurality of pins. The trigger spring piece and the plurality of pins are respectively disposed at both ends of the housing, a first notch and a second notch are respectively provided on one side of a groove wall of the mounting groove close to the cavity and the other side of the groove wall of the mounting groove away from the cavity, the housing is fixed in the mounting groove, and the first notch and the second notch provide avoidance for the trigger spring piece and the plurality of pins, respectively. According to the present disclosure, the mounting and positioning of the microswitch can be facilitated, and the situation where the plurality of pins abut against the inner wall of the mounting groove to bend and deform or debris is generated by the friction between the pins with the inner wall of the mounting groove can be avoided.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-21 (22) Filed: 16/01/2025	
(23) Priority Data: India, Number :202141010983, Date : 15-03-2021.	
(71) Applicant: TVS Motor Company Limited of “Chaitanya”, No. 12 Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, Tamil Nadu, Nationality -India	
(72) Inventors: (1) Datta Rajaram Sagare of “Chaitanya”, No. 12 Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, Tamil Nadu, India Nationality -India, (2) Rahul Nandagavi of “Chaitanya”, No. 12 Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, Tamil Nadu, India Nationality -India, (3) Amardeep Kumar of “Chaitanya”, No. 12 Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, Tamil Nadu, India Nationality -India, (4) K Keshav Datt of “Chaitanya”, No. 12 Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, Tamil Nadu, India Nationality - India, (5) TP Suresh of “Chaitanya”, No. 12 Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006, Tamil Nadu, India Nationality -India	
(74) Agent : Rana & Associates, Nipobon Asgar Garden, 462, Green Way, Flat No. A/2 (2nd Floor), Moghbazar, Dhaka-1217, Bangladesh	
(51) INT. CL. : B60R 7/06	
(54) Invention Title: A Motor Vehicle	
(57) Abstract The present invention relates to a motor vehicle (100). The motor vehicle (100) has a diagnostic port (200) mounted on a vehicle component, wherein the vehicle component comprises a glove box or a handlebar or a floor board of said motor vehicle (100), the diagnostic port (200) being directly accessible by a user for obtaining status of various vehicle sub-systems.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-22 (22) Filed: 16/01/2025	
(23) Priority Data: China, Number :2024100683469, Date : 17-01-2024.	
(71) Applicant: Xiamen Hongfa Electric Power Controls Co., Ltd. of 93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, Nationality -China	
(72) Inventors: (1) DAI, Wenguang of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, China Nationality -China, (2) ZHONG, Shuming of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, China Nationality -China, (3) LI, Fangneng of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, China Nationality -China, (4) JIANG, Ziyu of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, China Nationality -China, (5) YIN, Jianfeng of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, China Nationality -China	
(74) Agent : SUPREMEiP Law Firm, 121 Motijheel C/A (1st Floor), Dhaka-1000, Bangladesh	
(51) INT. CL. : H01H 50/02	
(54) Invention Title: MAGNETIC LATCHING RELAY	
(57) Abstract The present disclosure relates to a magnetic latching relay, including a base, a cover and an armature assembly, wherein the base and the cover are joined to be opposite to each other and form a cavity therebetween, the cover is defined to be relatively above the base, and the base is relatively below the cover, wherein the magnetic latching relay further includes an armature bracket mounted in the cavity, wherein the armature assembly is disposed between the armature bracket and the base, and the armature assembly includes a pivot shaft, wherein upper and lower ends of the pivot shaft are respectively pivoted to the armature bracket and the base, and the armature bracket is in direct contact with the base and abuts against the base in an up-down direction. In the magnetic latching relay of the present disclosure, the base is pressed directly against the armature bracket, so that the armature bracket is less likely to swing and is more reliable in positioning.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

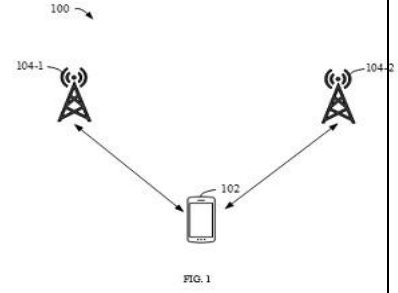
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-23 (22) Filed: 20/01/2025	
(23) Priority Data: European Patent Office (EPO), Number :241553429, Date : 01-02-2024. and European Patent Office (EPO), Number :241826064, Date : 17-06-2024. and European Patent Office (EPO), Number :242035400, Date : 30-09-2024.	
(71) Applicant: Azafaros B.V. of J.H. Oortweg 21, 2333 CH Leiden, Nationality -Netherlands	
(72) Inventors:	
(74) Agent : DOULAH & DOULAH, DOULAH HOUSE (ANNEXE) PLOT 153/2, ROAD 2/2, BLOCK-A SECTION-12, MIRPUR DHAKA-1216, DHAKA, Bangladesh	
(51) INT. CL. : A61P 25/00	
(54) Invention Title: TREATMENT OF GM1 GANGLIOSIDOSIS	
(57) Abstract The invention relates to a compound of formula (I), (I), for use in treating GM1 gangliosidosis. Specifically, the invention relates to a compound of formula (I) for use in reducing the accumulation of GM1 ganglioside in the brain and/or spinal cord of a subject, increasing neuronal survival in a subject, and/or preventing neuronal degeneration in a subject.	Figure 1



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-24 (22) Filed: 21/01/2025	
(23) Priority Data: China, Number :2024077232, Date : 15-02-2024.	
(71) Applicant: Nokia Technologies Oy of Karakaari 7, 02610 Espoo, Nationality -Finland	
(72) Inventors: (1) Lei DU of Xianglinjun 5-1-501, Haidian District, Beijing, 100085, China Nationality -China, (2) Lars DALSGAARD of Torpantie 56, Oulu, 90230, Finland Nationality -Denmark, (3) Parham KAZEMI of Karakaari 13, Espoo, 02610, Finland Nationality -Iran (Islamic Republic of), (4) Bent Henneberg RYSGAARD of Gøttrupvej 29, Aalborg, 9220, Denmark Nationality -Denmark, (5) Karri Markus RANTA-AHO of Leirikaari 26 A 17, Espoo, 02600, Finland Nationality -Finland	
(74) Agent : REMFRY & SON, PATENT & TRADE MARK ATTORNEYS, 56, Nnew Eskaton Road, 4th Floor, G.P.O BOX NO-855, Dhaka-1000, DHAKA, Bangladesh	
(51) INT. CL. : G01R 29/16	
(54) Invention Title: ENHANCED PATHLOSS REFERENCE SIGNAL MEASUREMENT	
(57) Abstract Embodiments of the present disclosure relate to enhanced pathloss reference signal (PL-RS) measurement. In an aspect, a terminal device receives, from a network device via a first cell, an activation command for activating at least one second cell. The terminal device receives, from the network device via the at least one second cell, at least one synchronized signal block (SSB) associated with the activation of the at least one second cell. The terminal device performs time and frequency synchronization based on the at least one SSB, and determines a first PL-RS based on the at least one SSB during the time and frequency synchronization .By implementing the embodiments of the present disclosure, the first PL-RS could be determined in parallel with/during the process of time and frequency synchronization and the terminal device is able to perform the PL-RS measurement before receiving the TCI activation command, thereby reducingSCell activation delay.	 FIG. 1



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

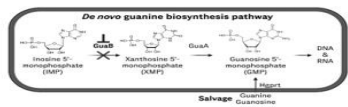
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-25 (22) Filed: 21/01/2025	
(23) Priority Data: China, Number :2024202883624, Date : 07-02-2024.	
(71) Applicant: Xiamen Hongfa Electric Power Controls Co., Ltd. of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, Nationality -China	
(72) Inventors: (1) ZHONG, Shuming of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, China Nationality -China, (2) LI, Fangneng of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, China Nationality -China, (3) CHEN, Weijie of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, China Nationality -China, (4) WANG, Congjun of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, China Nationality -China	
(74) Agent : SUPREMEiP Law Firm, 121 Motijheel C/A (1st Floor), Dhaka-1000, Bangladesh	
(51) INT. CL. : H01H 50/02	
(54) Invention Title: ELECTROMAGNETIC RELAY	
(57) Abstract The present disclosure provides an electromagnetic relay, comprising a relay body and a lead-out piece, wherein the lead-out piece is connected to a reed of a contact part of the relay body and extends outside a case of the relay body, and a lead-out piece part located in the case of the relay body is defined as an internal lead-out part, and a lead-out piece part located outside the case of the relay body is defined as an external lead-out part; wherein, the electromagnetic relay also comprises a magnetic shielding component with magnetic conductivity, and the magnetic shielding component is wrapped around the external lead-out part outside the case of the relay body. When the current enters the external lead-out part, the generated magnetic field is concentrated on the magnetic shielding component, so that an influence of an external magnetic field generated by external components on an internal magnetic field of the relay can be effectively reduced, thereby ensuring reliability of the electromagnetic relay.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

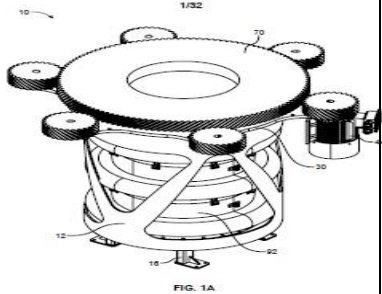
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-26 (22) Filed: 23/01/2025																													
(23) Priority Data: United States of America, Number :63548788, Date : 01-02-2024.																													
(71) Applicant: GENENTECH, INC of 1 DNA Way, South San Francisco, CA, Nationality -United States of America																													
(72) Inventors: (1) Terry Dale CRAWFORD of c/o Genentech, Inc. 1 DNA Way South San Francisco, California 94080-4990, United States of America Nationality -United States of America, (2) Yuebiao ZHOU of c/o Genentech, Inc. 1 DNA Way South San Francisco, California 94080-4990, China Nationality -China, (3) Shumei WANG of c/o Genentech, Inc. 1 DNA Way South San Francisco, California 94080-4990, United States of America Nationality -United States of America, (4) Ying YANG of c/o Genentech, Inc. 1 DNA Way South San Francisco, California 94080-4990, China Nationality -China, (5) Emily Joy HANAN of c/o Genentech, Inc. 1 DNA Way South San Francisco, California 94080-4990, United States of America Nationality -United States of America, (6) Lev Yuryevich GENDELEV of c/o Genentech, Inc. 1 DNA Way South San Francisco, California 94080-4990, United States of America Nationality -United States of America, (7) Ignacio Martin ALIAGAS of c/o Genentech, Inc. 1 DNA Way South San Francisco, California 94080-4990, United States of America Nationality -United States of America																													
(74) Agent : ISLAM & CO., 19/D (3rdFloor), East Noyatola, Mogh Bazar, Dhaka -1217, Bangladesh																													
(51) INT. CL. : C07D 491/052																													
(54) Invention Title: GUAB INHIBITOR COMPOUNDS AND USES THEREOF																													
(57) Abstract The present disclosure provides heterocyclic antibacterial compounds, e.g., 1,4-dihydro-2H-pyranoquinolone compounds, that are inhibitors of GuaB in mycobacteria. The compounds advantageously inhibit mycobacterial growth and survival, and as such, the compounds are useful to treat infectious disease caused by mycobacteria (e.g., tuberculosis, leprosy, nontuberculous mycobacterial infections, or a combination thereof). Pharmaceutical compositions comprising said compounds are also provided.	 FIG. 1A  <table border="1"> <thead> <tr> <th>Measurement</th><th>Example 17</th></tr> </thead> <tbody> <tr> <td>Logarithmic solubility</td><td>0.9 / 185 μM</td></tr> <tr> <td>IC₅₀ (GuaB) (μM) (concentration of 50% inhibition)</td><td>0.058 μM / 0.048 μM / 0.048 μM</td></tr> <tr> <td>IC₅₀ (GuaA) (μM) (concentration of 50% inhibition)</td><td>0.6 / 20 / 23 / 7.9 / 18</td></tr> <tr> <td>IC₅₀ (GuaB) (μM) (concentration of 50% inhibition)</td><td>0.058 μM / 0.048 μM / 0.048 μM</td></tr> <tr> <td>IC₅₀ (GuaA) (μM) (concentration of 50% inhibition)</td><td>0.6 / 20 / 23 / 7.9 / 18</td></tr> <tr> <td>IC₅₀ (GuaB) (μM) (concentration of 50% inhibition)</td><td>0.058 μM / 0.048 μM / 0.048 μM</td></tr> <tr> <td>IC₅₀ (GuaA) (μM) (concentration of 50% inhibition)</td><td>0.6 / 20 / 23 / 7.9 / 18</td></tr> <tr> <td>IC₅₀ (GuaB) (μM) (concentration of 50% inhibition)</td><td>0.058 μM / 0.048 μM / 0.048 μM</td></tr> <tr> <td>IC₅₀ (GuaA) (μM) (concentration of 50% inhibition)</td><td>0.6 / 20 / 23 / 7.9 / 18</td></tr> <tr> <td>IC₅₀ (GuaB) (μM) (concentration of 50% inhibition)</td><td>0.058 μM / 0.048 μM / 0.048 μM</td></tr> <tr> <td>IC₅₀ (GuaA) (μM) (concentration of 50% inhibition)</td><td>0.6 / 20 / 23 / 7.9 / 18</td></tr> <tr> <td>IC₅₀ (GuaB) (μM) (concentration of 50% inhibition)</td><td>0.058 μM / 0.048 μM / 0.048 μM</td></tr> <tr> <td>IC₅₀ (GuaA) (μM) (concentration of 50% inhibition)</td><td>0.6 / 20 / 23 / 7.9 / 18</td></tr> </tbody> </table> FIG. 1B	Measurement	Example 17	Logarithmic solubility	0.9 / 185 μM	IC ₅₀ (GuaB) (μM) (concentration of 50% inhibition)	0.058 μM / 0.048 μM / 0.048 μM	IC ₅₀ (GuaA) (μM) (concentration of 50% inhibition)	0.6 / 20 / 23 / 7.9 / 18	IC ₅₀ (GuaB) (μM) (concentration of 50% inhibition)	0.058 μM / 0.048 μM / 0.048 μM	IC ₅₀ (GuaA) (μM) (concentration of 50% inhibition)	0.6 / 20 / 23 / 7.9 / 18	IC ₅₀ (GuaB) (μM) (concentration of 50% inhibition)	0.058 μM / 0.048 μM / 0.048 μM	IC ₅₀ (GuaA) (μM) (concentration of 50% inhibition)	0.6 / 20 / 23 / 7.9 / 18	IC ₅₀ (GuaB) (μM) (concentration of 50% inhibition)	0.058 μM / 0.048 μM / 0.048 μM	IC ₅₀ (GuaA) (μM) (concentration of 50% inhibition)	0.6 / 20 / 23 / 7.9 / 18	IC ₅₀ (GuaB) (μM) (concentration of 50% inhibition)	0.058 μM / 0.048 μM / 0.048 μM	IC ₅₀ (GuaA) (μM) (concentration of 50% inhibition)	0.6 / 20 / 23 / 7.9 / 18	IC ₅₀ (GuaB) (μM) (concentration of 50% inhibition)	0.058 μM / 0.048 μM / 0.048 μM	IC ₅₀ (GuaA) (μM) (concentration of 50% inhibition)	0.6 / 20 / 23 / 7.9 / 18
Measurement	Example 17																												
Logarithmic solubility	0.9 / 185 μM																												
IC ₅₀ (GuaB) (μM) (concentration of 50% inhibition)	0.058 μM / 0.048 μM / 0.048 μM																												
IC ₅₀ (GuaA) (μM) (concentration of 50% inhibition)	0.6 / 20 / 23 / 7.9 / 18																												
IC ₅₀ (GuaB) (μM) (concentration of 50% inhibition)	0.058 μM / 0.048 μM / 0.048 μM																												
IC ₅₀ (GuaA) (μM) (concentration of 50% inhibition)	0.6 / 20 / 23 / 7.9 / 18																												
IC ₅₀ (GuaB) (μM) (concentration of 50% inhibition)	0.058 μM / 0.048 μM / 0.048 μM																												
IC ₅₀ (GuaA) (μM) (concentration of 50% inhibition)	0.6 / 20 / 23 / 7.9 / 18																												
IC ₅₀ (GuaB) (μM) (concentration of 50% inhibition)	0.058 μM / 0.048 μM / 0.048 μM																												
IC ₅₀ (GuaA) (μM) (concentration of 50% inhibition)	0.6 / 20 / 23 / 7.9 / 18																												
IC ₅₀ (GuaB) (μM) (concentration of 50% inhibition)	0.058 μM / 0.048 μM / 0.048 μM																												
IC ₅₀ (GuaA) (μM) (concentration of 50% inhibition)	0.6 / 20 / 23 / 7.9 / 18																												
IC ₅₀ (GuaB) (μM) (concentration of 50% inhibition)	0.058 μM / 0.048 μM / 0.048 μM																												
IC ₅₀ (GuaA) (μM) (concentration of 50% inhibition)	0.6 / 20 / 23 / 7.9 / 18																												



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-27 (22) Filed: 26/01/2025	
(23) Priority Data: United States of America, Number :18438424, Date : 10-02-2024.	
(71) Applicant: Aziz Shakarzahi of 1385 Red Stag Place, Round Rock TX 78665, Nationality -United States of America	
(72) Inventors: (0) Aziz Shakarzahi of 1385 Red Stag Place, Round Rock TX 78665, United States of America Nationality -United States of America	
(74) Agent : Rana & Associates, Nipobon Asgar Garden, 462, Green Way, Flat No. A/2 (2nd Floor), Moghbazar, Dhaka-1217, Bangladesh	
(51) INT. CL. : F03G 4/00	
(54) Invention Title: CONSTANT MICRO POWER ENERGY SYSTEM (CMPES) DEVICE	
(57) Abstract A constant micro power energy system (CMPES) device to harness sustainable energy sources and generate power including a main body structure having a base plate, a frame extending from the base plate, and a top plate positioned at the top of the frame. The CMPES device includes a flask barrel positioned in the frame and motors positioned on the top plate. The CMPES device includes a ring gear connecting the flask barrel and a motor shaft of the motor. The CMPES device includes disc generators positioned inside the flask barrel. The motors supply power to drive the flask barrel to rotate constantly at a predetermined speed in order to generate continuous and simultaneous Alternating Current (AC) and Direct Current (DC) electrical power output. The motors facilitate direct transmission to the disc generators in order to provide the electrical power output to panel systems connected to the CMPES device.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

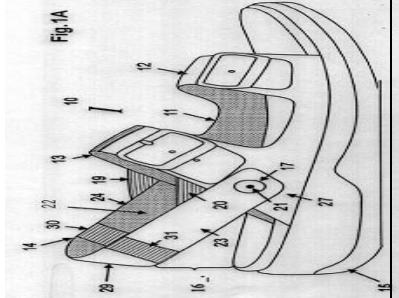
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-28 (22) Filed: 26/01/2025	
(23) Priority Data: China, Number :2024078493, Date : 26-02-2024.	
(71) Applicant: Nokia Technologies Oy of Karakaari 7, 02610 Espoo, Nationality -Finland	
(72) Inventors: (0) Rana AHMED of Terofalstr 3, Munich, 80869, Germany Nationality -Germany, (1) Filippo TOSATO of 37, Avenue du Général de Gaulle, Villebon sur Yvette, 91140, France Nationality -Italy, (2) Eugene VISOTSKY of 421 Raymond Road, Buffalo Grove, Illinois, 60089, United States of America Nationality -United States of America, (3) Hao LIU of #388 Ningqiao Road, Pudong JinQiao,, Shanghai, 201206, China Nationality -China	
(74) Agent : REMFRY & SON, PATENT & TRADE MARK ATTORNEYS, 56, Nnew Eskaton Road, 4th Floor, G.P.O BOX NO-855, Dhaka-1000, DHAKA, Bangladesh	
(51) INT. CL. : H04L 5/00	
(54) Invention Title: TIMING OFFSET COMPENSATION FOR INTER-TRANSMISSION RECEPTION POINT	
(57) Abstract Example embodiments of the present disclosure relate to a solution of time offset compensation. In this solution, the first apparatus determines, precoding matrix indicator (PMI) information based on measurements on a plurality of channel status information-reference signal (CSI-RS) resources and at least one first time offset, each of the at least one first time offset corresponding to one of plurality of CSI-RS resources; and transmits, to a second apparatus, a PMI report comprising the PMI information.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-29 (22) Filed: 26/01/2025	
(23) Priority Data: United States of America, Number :18634836, Date : 12-04-2024.	
(71) Applicant: ORTHOFEET, INC of 1265 15th Street, Apt. 11M, Fort Lee, NJ 07027, Nationality -United States of America	
(72) Inventors: (1) BAR, Aharon of 1265 15th Street, Apt. 11M, Fort Lee, NJ 07027, United States of America Nationality -United States of America	
(74) Agent : REMFRY & SON, PATENT & TRADE MARK ATTORNEYS, 56, Nnew Eskaton Road, 4th Floor, G.P.O BOX NO-855, Dhaka-1000, DHAKA, Bangladesh	
(51) INT. CL. : A43B 3/12	
(54) Invention Title: AN EASY ENTRY SANDAL	
(57) Abstract A sandal comprising an upper and a heel strap made of at least five members, including three firm members and two elastic members. The heel strap is allowed to pivot relative to the upper, wherein a rear part of the heel strap is allowed to further pivot relative to the anterior heel strap members. The sandal includes elastic members that are stretched while the heel strap pivots downward under a downward force on the heel strap while a foot slides into the sandal. The elastic members force the heel strap to pivot upward when the downward force is released.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-30 (22) Filed: 27/01/2025	
(23) Priority Data: United Kingdom, Number :24022998, Date : 19-02-2024.	
(71) Applicant: Nokia Technologies Oy of Karakaari 7, 02610 Espoo, Nationality -Finland	
(72) Inventors: (1) Lars DALSGAARD of Torpantie 56, Oulu, 90230, Finland Nationality -Denmark, (2) Riikka Karoliina DIMNIK of Lohansuontie 7 L, Kirkkonummi, 02880, Finland Nationality -Finland, (3) Jani-Pekka KAINULAINEN of 28 Maslin Elms, Haddenham, Aylesbury, Buckinghamshire, HP17 8FT, United Kingdom Nationality -Finland, (4) Xin ZHANG of Riegerweg 32, Taufkirchen, 82024, Germany Nationality -Singapore	
(74) Agent : REMFRY & SON, PATENT & TRADE MARK ATTORNEYS, 56, Nnew Eskaton Road, 4th Floor, G.P.O BOX NO-855, Dhaka-1000, DHAKA, Bangladesh	
(51) INT. CL. : G07F 17/28	
(54) Invention Title: METHOD AND APPARATUS FOR PROCESSING RADIO RESOURCE CONTROL MESSAGES	
(57) Abstract There is herein disclosed an apparatus, comprising means for receiving, by a user equipment, a radio resource control (RRC) configuration message associated with a Layer 1 / Layer 2 (L1/L2) triggered mobility (LTM) procedure. The apparatus further comprises means for determining that the user equipment is able to process at least an LTM related part of the RRC configuration message prior to applying the configuration associated with the received cell switch command for performing a cell switch. The apparatus further comprises means for determining that a trigger for the user equipment to perform the processing of the LTM related part of the RRC configuration message has been activated and means for performing, upon the determination that the trigger for the user equipment to commence processing has been activated, the processing of the LTM related part of the received RRC configuration message within a predefined time.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-32 (22) Filed: 28/01/2025
(23) Priority Data: European Patent Office (EPO), Number :241667898, Date : 27-03-2024. and India, Number :202411006408, Date : 31-01-2024.
(71) Applicant: ARCHROMA IP GmbH of Neuhofstrasse 11, 4153 Reinach, Nationality -Switzerland
(72) Inventors: (0) Parag Ashokrao Wasekar of B402 Riverdale CHS, CASARIO, PALAVA, Dombivali (East) – 421204, Maharashtra, India Nationality -India, (1) Rishi Kumar of H. No. 2740, Street No. 3, Tehsil Pura, Amritsar - 143001, India Nationality -India, (2) Yongnian Gao of BLk208B Clementi Avenue 6 Singapore #35-121, Singapore Nationality -China, (3) Xueqin Han of Tianrun Road 461, Tianhe District, Guangzhou, China Nationality -China, (4) Vrushali Sushant Patil of B27, N M Joshi Building no 2, Gavhan Pada, Mulund East, Mumbai 400081, Maharashtra, India Nationality -India, (5) Chaya M Thakkar Patel of 39, M.K. Building, 1st floor, 5th road, Khar (west), opposite Mohini tower, Mumbai 400052, India Nationality -India
(74) Agent : REMFRY & SON, PATENT & TRADE MARK ATTORNEYS, 56, Nnew Eskaton Road, 4th Floor, G.P.O BOX NO-855, Dhaka-1000, DHAKA, Bangladesh
(51) INT. CL. : D06P 5/00
(54) Invention Title: A FASTNESS IMPROVING AGENT AND PREPARATION PROCESS THEREOF
(57) Abstract Described is a resin, obtained from the condensation of at least one sulfonated alkylated aromatic alcohol, at least one naphthalene diol and, optionally at least one phenolic diol, with at least one aliphatic carbonyl compound, to a method for forming such a resin, to the use of such a resin, to a dye fixing agent comprising such a resin, to a method for treating a fabric a dye fixing composition comprising such a resin. The obtained dye-fixing agent has the advantage of a good fixing effect and is ecofriendly.



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-33 (22) Filed: 28/01/2025
(23) Priority Data: N/A
(71) Applicant: Jahangirnagar University of Department of Microbiology, Savar, Dhaka-1342, Nationality -Bangladesh
(72) Inventors: (1) Dr. Ali Azam Talukder, Professor of Department of Microbiology, Jahangirnagar University, Savar, Dhaka-1342, Bangladesh Nationality -Bangladesh
(51) INT. CL. : B22F 3/23
(54) Invention Title: Compact scale high temperature simultaneous saccharification and fermentation technology (CSHTSSFT) for biofuel production
(57) Abstract A Compact Scale High Temperature Simultaneous Saccharification and Fermentation Technology (CSHTSSFT) is a carbon neutral technology and producing bioethanol biologically which having various commercial uses. The technology is inexpensive, robust, sustainable and environment friendly. The present invention is also directed to a blended with fossil fuels to minimize various toxic gas emissions after conversion. The unique properties (volatile, colorless, odorless, non-corrosive) of technology product bioethanol is used as an alternative source of energy in various power generation field. In addition, bioethanol has many commercial uses including, medical, pharmaceutical, biotechnological research fields, perfume and cosmetic industry, health sanitizer etc.



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

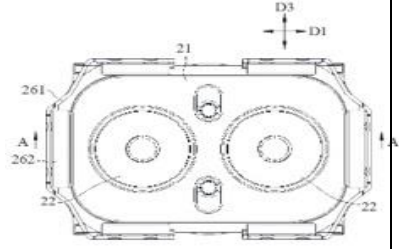
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-34 (22) Filed: 28/01/2025
(23) Priority Data: N/A
(71) Applicant: Jahangirnagar University of Department of Microbiology, Savar, Dhaka-1342, Nationality -Bangladesh
(72) Inventors: (1) Dr. Ali Azam Talukder, Professor of Department of Microbiology, Jahangirnagar University, Savar, Dhaka-1342, Bangladesh Nationality -Bangladesh
(51) INT. CL. : A23K 10/28
(54) Invention Title: Sustainable and environmentally friendly BIOFEED production from fermented wastages
(57) Abstract The world is facing tremendous scarcity of food and energy. To combat the problems the organic production of feed that is 'BIOFEED' is becoming an interesting sector for research. Our proposed technology for Biofeed production is a half-done process as we have already produced bioethanol from potato starch and the remaining wastages collected in fermenter will be further used for Biofeed production by biological process. The quality Biofeed will serve as food item for poultry, cattle, fish. Additionally, the low-quality pellets will serve as dry fuel or agricultural manure.



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-35 (22) Filed: 29/01/2025	
(23) Priority Data: China, Number :2024101754368, Date : 07-02-2024.	
(71) Applicant: Xiamen Hongfa Electric Power Controls Co., Ltd. of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, Nationality -China	
(72) Inventors: (1) DAI, Wenguang of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province, 361027, China Nationality -China, (2) WU, Zhuxiong of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province, 361027, China Nationality -China, (3) WANG, Meng of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province, 361027, China Nationality -China, (4) WANG, Zhiying of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province, 361027, China Nationality -China	
(74) Agent : SUPREMEiP Law Firm, 121 Motijheel C/A (1st Floor), Dhaka-1000, Bangladesh	
(51) INT. CL. : H01H 50/64	
(54) Invention Title: RELAY	
(57) Abstract The present disclosure discloses a relay, including a pair of static contacts, a movable contact piece, a pushing rod component, and an elastic assembly. The movable contact piece is configured for contact with or separation from the pair of static contacts. The pushing rod component includes a positioning member made of a metal material. The elastic assembly is made of a metal material and configured to provide the movable contact piece with contact pressure. The elastic assembly is positioned and connected to the positioning member.	 FIG. 1



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-36 (22) Filed: 29/01/2025	
(23) Priority Data: China, Number :2024101744099, Date : 07-02-2024.	
(71) Applicant: Xiamen Hongfa Electric Power Controls Co., Ltd. of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, Nationality -China	
(72) Inventors: (1) DAI, Wenguang of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province, 361027, China Nationality -China, (2) ZHONG, Shuming of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province, 361027, China Nationality -China, (3) WU, Zhuxiong of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province, 361027, China Nationality -China, (4) SU, Liji of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province, 361027, China Nationality -China	
(74) Agent : SUPREMEiP Law Firm, No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, Bangladesh	
(51) INT. CL. : H01H 50/54	
(54) Invention Title: RELAY	
(57) Abstract The present disclosure discloses a relay, including a pair of static contacts, a movable contact assembly, and an anti-short-circuit structure. Two ends of the movable contact assembly in a length direction are configured to be in contact with the pair of static contacts respectively. The movable contact assembly includes a plurality of movable branches. The anti-short-circuit structure includes a first magnetic conductor and a connecting portion. The first magnetic conductor is arranged at a side of the movable contact assembly facing the static contact. The first magnetic conductor has a plurality of magnetically conductive portions, and the connecting portion is connected to two adjacent magnetically conductive portions. In a movement direction of the movable contact assembly, the plurality of movable branches and the plurality of magnetically conductive portions have corresponding movable branches and magnetically conductive portions, and orthographic projections of the corresponding movable branches and magnetically conductive portions on a target plane have an overlapping region. The target plane is perpendicular to the movement direction of the movable contact assembly.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

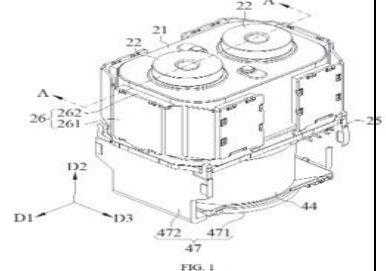
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-37 (22) Filed: 29/01/2025	
(23) Priority Data: China, Number :202410174485, Date : 07-02-2024.	
(71) Applicant: Xiamen Hongfa Electric Power Controls Co., Ltd. of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, Nationality -China	
(72) Inventors: (1) DAI, Wenguang of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province, 361027, China Nationality -China, (2) ZHONG, Shuming of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province, 361027, China Nationality -China, (3) WU, Zhuxiong of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province, 361027, China Nationality -China, (4) CHEN, Songsheng of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province, 361027, China Nationality -China	
(74) Agent : SUPREMEiP Law Firm, 121 Motijheel C/A (1st Floor), Dhaka-1000, Bangladesh	
(51) INT. CL. : H01H 50/02	
(54) Invention Title: RELAY	
(57) Abstract The present disclosure discloses a relay, including an insulating cover, a pair of static contacts, and a movable contact piece. The insulating cover has an inner cavity, and the insulating cover further has a pair of mounting holes communicated with the inner cavity. Each of the static contacts includes an extension portion, a connecting portion, and a contact portion. The extension portion and the contact portion are connected through the connecting portion, the two connecting portions respectively pass through the pair of the mounting holes, and the extension portion is located on an outer surface of the insulating cover and connected to the insulating cover. The contact portion is located in the inner cavity and has a static contact portion. The movable contact piece has a movable contact portion corresponding to the static contact portion. Orthographic projections of the movable contact portion and the static contact portion on a target plane have an overlapping first projection, an orthographic projection of the connecting portion on the target plane is a second projection, and at least part of the first projection falls outside the second projection. The target plane is perpendicular to a movement direction of the movable contact piece.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-38 (22) Filed: 29/01/2025	
(23) Priority Data: China, Number :2024101747326, Date : 07-02-2024.	
(71) Applicant: Xiamen Hongfa Electric Power Controls Co., Ltd. of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province 361027, Nationality -China	
(72) Inventors: (1) DAI, Wenguang of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province, 361027, China Nationality -China, (2) ZHONG, Shuming of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province, 361027, China Nationality -China, (3) WU, Zhuxiong of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province, 361027, China Nationality -China, (4) CHEN, Songsheng of No.93, Yinong Road, Haicang District, Xiamen, Fujian Province, 361027, China Nationality -China	
(74) Agent : SUPREMEiP Law Firm, 121 Motijheel C/A (1st Floor), Dhaka-1000, Bangladesh	
(51) INT. CL. : H01H 50/54	
(54) Invention Title: RELAY	
(57) Abstract The present disclosure discloses a relay, including a pair of static contacts and a plurality of movable contact pieces. The pair of static contacts are arranged along a first direction, and each of the static contacts has a plurality of static contact portions. Each of the movable contact pieces has two movable contact portions, and the two movable contact portions are configured to be in contact with the static contact portions of the static contacts. Orthographic projections of a plurality of groups of corresponding movable contact portions and static contact portions between each of the static contacts and the plurality of movable contact pieces on a target plane have overlapping first projections, at least one of the first projections is staggered from the remaining first projections in a third direction, and orthographic projections of the plurality of movable contact pieces on the target plane have no overlapping region. A movement direction of the plurality of movable contact pieces is defined as a second direction, the first direction, the second direction, and the third direction are perpendicular to each other, and the target plane is perpendicular to the second direction.	 FIG. 1



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

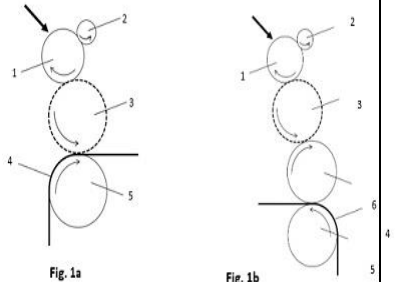
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-39 (22) Filed: 30/01/2025	
(23) Priority Data: European Patent Office (EPO), Number :241561323, Date : 06-02-2024.	
(71) Applicant: SICPA HOLDING SA of Avenue de Florissant 41 1008 Prilly, Nationality -Switzerland	
(72) Inventors: (1) GARNIER Christophe of Clos les Lauriers 133, 74930 Reignier, France Nationality -France, (2) MANI Cindy of Ruelle du Commerce 1, 1040 Echallens, Switzerland Nationality -Switzerland, (3) VUILLEUMIER Lucien of Route de St-Cergue 21b, 1268 Begnins, Switzerland Nationality -Switzerland, (4) RUFFIEUX Vincent of Impasse du Verger 1, 1724 Le Mouret, Switzerland Nationality -Switzerland	
(74) Agent : Advanced IP Law Firm, Suite#9/C (9th Floor), Fahima Tower, 42-43, Purana Paltan, Dhaka-1000, Bangladesh	
(51) INT. CL. : G03G 13/26	
(54) Invention Title: PRINTING PROCESS	
(57) Abstract The invention provides a novel security feature and a method for making it.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

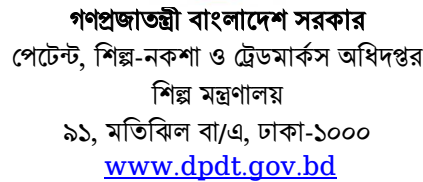
(11) Patent registration No and date , (21) Appl. No. BD-P-2025-40 (22) Filed: 30/01/2025	
(23) Priority Data: European Patent Office (EPO), Number :241561182, Date : 06-02-2024.	
(71) Applicant: SICPA HOLDING SA of Avenue de Florissant 41 1008 Prilly, Nationality -Switzerland	
(72) Inventors: (1) GARNIER Christophe of Clos les Lauriers 133, 74930 Reignier, France Nationality -France, (2) MANI Cindy of Ruelle du Commerce 1, 1040 Echallens, Switzerland Nationality -Switzerland, (3) VUILLEUMIER Lucien of Route de St-Cergue 21b, 1268 Begnins, Switzerland Nationality -Switzerland, (4) RUFFIEUX Vincent of Impasse du Verger 1, 1724 Le Mouret, Switzerland Nationality -Switzerland	
(74) Agent : Advanced IP Law Firm, Suite#9/C (9th Floor), Fahima Tower, 42-43, Purana Paltan, Dhaka-1000, Bangladesh	
(51) INT. CL. : G03G 13/26	
(54) Invention Title: PRINTING PROCESS	
(57) Abstract The invention provides a novel security feature and a method for making it.	



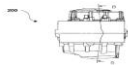
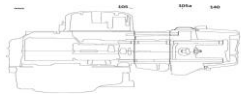
গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-143 (22) Filed: 10/04/2025	
(23) Priority Data: China, Number :2024208127847, Date : 16-04-2024.	
(71) Applicant: Wujun Zeng of No. 1501 Dazu Technology Center, No. 9988 Shennan Avenue, Maling Community, Yuehai Street, Nanshan District, Shenzhen City, Guangdong Province, 518000, Nationality -China	
(72) Inventors: (0) Shenzhen Mingtang New Energy Technology Co., Ltd. (a company incorporated under the laws of China) of 1501 Dazu Technology Center, No. 9988 Shennan Avenue, Maling Community, Yuehai Street, Nanshan District, Shenzhen City, Guangdong Province 518000, PR. China, China Nationality -China, (2) Yingjun Diao of No. 1501 Dazu Technology Center, No. 9988 Shennan Avenue, Maling Community, Yuehai Street, Nanshan District, Shenzhen City, Guangdong Province, 518000, China Nationality -China, (3) Jiabin Fu of No. 1501 Dazu Technology Center, No. 9988 Shennan Avenue, Maling Community, Yuehai Street, Nanshan District, Shenzhen City, Guangdong Province, 518000, China Nationality -China, (4) Mingxiang Luo of No. 1501 Dazu Technology Center, No. 9988 Shennan Avenue, Maling Community, Yuehai Street, Nanshan District, Shenzhen City, Guangdong Province, 518000, China Nationality -China, (5) Zhiru Li of No. 1501 Dazu Technology Center, No. 9988 Shennan Avenue, Maling Community, Yuehai Street, Nanshan District, Shenzhen City, Guangdong Province, 518000, China Nationality -China	
(74) Agent : ALSHIM & PARTNERS, House # 16, Road # 12 Kallayanpur, Dhaka 1207, Bangladesh	
(51) INT. CL. : H02J 7/00	
(54) Invention Title: RELAY PROTECTION CIRCUIT FOR BMS	
(57) Abstract The invention relates to the field of relay protection, and discloses a relay protection circuit for a BMS. The relay protection circuit for a BMS includes: a BMS battery, a shunt resistor, a current detection module, an AFE chip, an MCU control chip, a pre-discharging MOS module, a pre-charging MOS module, a relay and a relay control power supply. A positive terminal of the BMS battery is connected to a negative terminal of an external load. A negative terminal of the BMS battery is connected to one end of the shunt resistor. The other end of the shunt resistor is connected to the pre-discharging MOS module and the relay. The relay is connected to a positive terminal of the external load. The relay control power supply is connected in parallel with the relay. The pre-discharging MOS module is connected in series with the pre-charging MOS module. The pre-discharging MOS module and the pre-charging MOS module are connected in parallel with the relay. In embodiments of the invention, MOS transistors are used to control the relay to be on or off, which reduces a number of relays in a control process and lowers assembly complexity and production cost.	



Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-210 (22) Filed: 17/07/2025	
(23) Priority Data: India, Number :202421055743, Date : 22-07-2024.	
(71) Applicant: Bajaj Auto Limited of Mumbai-Pune Road, Akurdi, Pune-411035, India	
(72) Inventors: (1) ABHAY WAKANKAR of Mumbai-Pune Road , Akurdi, Pune-411035, India, (2) Bhushan Garse of Mumbai-Pune Road, Akurdi, Pune-411035, India, (3) Santhosh Kallayat Vijayan of Mumbai-Pune Road, Akurdi, Pune-411035, India	
(74) Agent : ADMELIORA IP, 19/D, East Nayatola, Moghbazar, , Dhaka-1217, Dhaka, Bangladesh	
(51) INT. CL. : B61C 9/08	
(54) Invention Title: HEAT MANAGEMENT SYSTEM OF IC ENGINE	
(57) Abstract HEAT MANAGEMENT SYSTEM OF IC ENGINE The present invention discloses a heat management system of an IC engine 200. The heat management system comprises an oil passage 240 proximate to intake port(s) 110 of an engine 200 to reduce temperature in intake port(s) 110 region. Oil circulation in the oil passage 240 reduces temperature of an intake air that enters to a cylinder head 100 in suction stroke from intake port (s) 110. Oil flow inside the oil passage 240 is received from a first oil channel 130 inside a stud hole 190a and the oil flow from the oil passage 240 is further supplied to a second oil channel 140 inside an adjacent opposite stud hole 190b which further carries oil through jet 160 to cam gallery 210 for lubrication.	
Name of Applicant: Bajaj Auto Limited No. of Application: No. of Sheets : 4 Sheet No. : 1/4  FIG. 1a  FIG. 1b SHEET ASSET ARMED Admission ADMELIORA IP Patent & Trade Mark Attorneys Agent for the applicant.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-216 (22) Filed: 27/07/2025	
(23) Priority Data: India, Number :202421057293, Date : 29-07-2024.	
(71) Applicant: Bajaj Auto Limited of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India	
(72) Inventors: (1) Ayan Adhikari of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India, (2) Santhosh Kallayat Vijayan of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India, (3) Ashish Joshi of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India, (4) Swarna Siva Sunil Chandra of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India	
(74) Agent : ADMELIORA IP, 19/D, East Nayatola, Moghbazar, , Dhaka-1217, Dhaka, Bangladesh	
(51) INT. CL. : F02B 61/00	
(54) Invention Title: AN ENGINE FOR A VEHICLE	
(57) Abstract ABSTRACT AN ENGINE FOR A VEHICLE The present invention provides an engine (100) for a vehicle comprising a plurality of intake valves (108a, 108b, 408a, 408b) configured to allow entry of intake charge into a cylinder (110, 403) of the engine (100); a plurality of exhaust valves (112a, 112b, 410a, 410b) configured to allow exit of the combusted gases from the cylinder (110, 403); at least a camshaft (114, 118, 402) comprising a plurality of intake cam lobes (116a, 116b) fixedly mounted on the intake camshaft (114) and configured to operate at least plurality of intake valves (108, 108b) and a plurality of exhaust cam lobes (120a, 120b) fixedly mounted on the exhaust camshaft (118) and configured to operate at least plurality of exhaust valves (112a, 112b); wherein the number of intake cam lobes (116a, 116b, 404a, 404b) are equivalent to the number of intake valves (108a, 108b, 408a, 408b) and the number of exhaust cam lobes (120a, 120b, 406a, 406b) are equivalent to the number of exhaust valves (112a, 112b, 410a, 410b); wherein the intake cam lobes (116a, 116b, 404a, 404b) operating the intake valves (108a, 108b, 408a, 408b) are relatively at different angles with respect to each other and/ or the exhaust cam lobes (120a, 120b, 406a, 406b) operating the exhaust valves (112, 112b, 410a, 410b) are relatively at different angles with respect to each other.	Name of Applicant: Bajaj Auto Limited No. of Application: 2 File of Sheet: 8 Sheet No.: 1/8 FIG. 1 MOTASSIR AHMED ADVOCATE Patent & Trade Mark Attorneys Agent for the applicant.
DATED THIS ON THE 27th DAY OF JULY 2025	
MOTASSIR AHMED (Advocate) On behalf of ADMELIORA IP Patent & Trade Mark Attorneys Agent for the applicant.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-240 (22) Filed: 17/08/2025	
(23) Priority Data: India, Number :202421062422, Date : 16-08-2024.	
(71) Applicant: Bajaj Auto Limited of Bajaj Auto Limited, Mumbai-Pune Road, Akurdi, Pune-411035, India	
(72) Inventors: (1) ANAND GANPATRAO THORAT of Bajaj Auto Limited, Mumbai-Pune Road, Akurdi, Pune-411035, India, (2) SAMEER BALU NARAWADE of Bajaj Auto Limited, Mumbai-Pune Road, Akurdi, Pune-411035, India, (3) VIVEK of Bajaj Auto Limited, Mumbai-Pune Road, Akurdi, Pune-411035, India	
(74) Agent : ADMELIORA IP, 19/D, East Nayatola, Moghbazar, Dhaka-1217, Bangladesh	
(51) INT. CL. : B61F 5/44	
(54) Invention Title: WHEEL ALIGNMENT ADJUSTER FOR A VEHICLE	
(57) Abstract	
ABSTRACT WHEEL ALIGNMENT ADJUSTER FOR A VEHICLE The invention discloses a wheel alignment adjuster 200 for a vehicle having a vehicle body 104 including a chassis frame and a steering system connecting to wheels 106a, 106b. A coupling Arm 100 is mounted on the vehicle body 104 and connects the wheel 106a, 106b of the vehicle with the vehicle body 104. The wheel alignment adjuster 200 includes a cam screw 101 having an eccentric slot 101a and a cylindrical holder 102, wherein the cam screw 101 is in bolted connection with the cylindrical holder 102. The wheel alignment adjuster 200 is mounted on the vehicle body 104 and is rotated about central axis of the eccentric slot 101a for wheel alignment correction. The invention provides a compact, simplified and cost-effective solution for wheel alignment as well as vehicle chassis, steering column and/or trailing arm 105 orientation correction for a vehicle.	Name of Applicant: Bajaj Auto Limited No. of Applicants: 1 No. of Sheets: 10 Sheet No.: 1/10 FIG. 2A FIG. 2B MOTASSIR AHMED ADVOCATE ADMELIORA IP, Patent & Trade Mark Attorneys Agent for the applicant.

DATED THIS ON THE 17th DAY OF AUGUST 2025

MOTASSIR AHMED
(Advocate)
On behalf of **ADMELIORA IP**
Patent & Trade Mark Attorneys
Agent for the applicant.



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-270 (22) Filed: 24/09/2025	
(23) Priority Data: India, Number :202421072154, Date : 24-09-2024.	
(71) Applicant: Bajaj Auto Limited of Bajaj Auto Limited, Mumbai-Pune Road, Akurdi, Pune-411035, India	
(72) Inventors: (1) Ranjit Kakkadath Rajasekharan of Bajaj Auto Limited, Mumbai-Pune Road, Akurdi, Pune-411035, India, (2) Prashant Dhondiram Sutar of Bajaj Auto Limited, Mumbai-Pune Road, Akurdi, Pune-411035, India	
(74) Agent : ADMELIORA IP, 19/D, East Nayatola, Moghbazar, Dhaka-1217, Bangladesh	
(51) INT. CL. : F21S 45/465	
(54) Invention Title: AN ENGINE COOLING SYSTEM FOR A TWO-WHEELED VEHICLE	
(57) Abstract ABSTRACT AN ENGINE COOLING SYSTEM FOR A TWO-WHEELED VEHICLE The present invention provides an engine cooling system (100) for a two wheeled vehicle comprising an engine (102) mounted on a vehicle frame structure (104), a pair of wheels including a front wheel (106) and a rear wheel (108), wherein a fender assembly (110) positioned over the front wheel (106). An air guide unit (112) provided on each side of the front wheel (106) and configured to direct the ambient air towards at least the engine (102). A front fork (122, 304) disposed at a front portion of the vehicle frame structure (104) on either side of the front wheel (106), wherein each of the front fork (122, 304) includes a front fork connecting member (305); and wherein the front fork connecting member (305) is configured to attach at least the air guide unit (112, 200) and the fender assembly (110, 300). DATED THIS ON 24TH DAY OF SEPTEMBER, 2025  MOTASSIR AHMED (ADVOCATE) On behalf of ADMELIORA IP Patent & Trademark Attorney Agent of The Applicant	Name of Applicant: Bajaj Auto Limited No. of Applications: 1 No. of Sheets: 12 Sheet No.: 1/12 FIG. 1 MOTASSIR AHMED (ADVOCATE) On behalf of ADMELIORA IP Patent & Trademark Attorney Agent of The Applicant



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

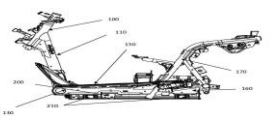
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-278 (22) Filed: 29/09/2025
(23) Priority Data: N/A
(71) Applicant: University of Dhaka of University of Dhaka, Dhaka -1000, Nationality -Bangladesh
(72) Inventors: (1) Dr. Md. Ahsan Habib of Department of Electrical and Electronic Engineering, University of Dhaka, Dhaka 1000, Bangladesh, Bangladesh Nationality -Bangladesh, (2) Dr. Khandaker Ashfaul Muid of DEPARTMENT OF ZOOLOGY, UNIVERSITY OF DHA, DHAKA, Dhaka 1000, Bangladesh, 1000, Bosnia and Herzegovina, (3) Dr. Saeed Mahmud Ullah of Department of Electrical and Electronic Engineering University of Dhaka, DHAKA, DHAKA, 1000, Bangladesh
(74) Agent : Khandaker Ashfaul , Department of Zoology, Genetics and Molecular Biotechnology branch, University of Dhaka, Dhaka 1000 , Dhaka, Bangladesh
(51) INT. CL. : G06N 20/00
(54) Invention Title: “MAST-CloudNet: IoT-Enabled Acoustic Trap with Real-Time AI Surveillance of Aedes.”
(57) Abstract The present invention relates to an IoT-enabled mosquito surveillance system that combines species-specific acoustic trapping with automated artificial intelligence (AI) recognition and cloud-based real-time monitoring. The system, termed MAST-CloudNet, employs a Male Aedes Sound Trap (MAST) that generates a 350–500 Hz acoustic frequency sweep mimicking female wingbeats to lure male Aedes aegypti selectively. Captured mosquitoes are immobilized on an adhesive surface and imaged using an edge-based device comprising a Raspberry Pi, camera, and integrated illumination. The captured images are transmitted to a central server where a custom-trained YOLOv11 object detection model identifies and classifies Aedes versus non-Aedes mosquitoes with high accuracy (mAP $\geq$ 0.96). A web dashboard provides real-time visualization, detection summaries, and data export for remote users. The system demonstrates over 83% selective capture efficiency for Aedes aegypti and enables consumable-free, scalable, and real-time vector monitoring suitable for dengue outbreak prevention.



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

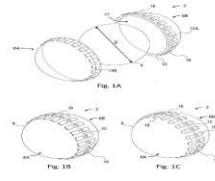
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-373 (22) Filed: 03/12/2025	
(23) Priority Data: India, Number :202421095711, Date : 04-12-2024.	
(71) Applicant: BAJAJ AUTO TECHNOLOGY LTD. of Bajaj Auto Technology Ltd, Mumbai-Pune Road, Akurdi, Pune-411035, India	
(72) Inventors: (1) ABRAHAM JOSEPH of C/o Bajaj Auto Technology Ltd, Mumbai Pune Road, Akurdi, Pune-411035, India, (2) AMIT JAIN of C/o Bajaj Auto Technology Ltd, Mumbai Pune Road, Akurdi, Pune-411035, India, (3) SINDHUJA MARELLA of C/o Bajaj Auto Technology Ltd, Mumbai Pune Road, Akurdi, Pune-411035, India, (4) ATMARAM DATTATRAYA SAMANT of C/o Bajaj Auto Technology Ltd, Mumbai Pune Road, Akurdi, Pune-411035, India, (5) SAGAR VIJAY VISPUTE of C/o Bajaj Auto Technology Ltd, Mumbai Pune Road, Akurdi, Pune-411035, India	
(74) Agent : ADMELIORA IP, 19/D, East Nayatola, Moghbazar, Dhaka-1217, Bangladesh	
(51) INT. CL. : B60N 2/40	
(54) Invention Title: SADDLE TYPE ELECTRIC VEHICLE	
(57) Abstract ABSTRACT SADDLE TYPE ELECTRIC VEHICLE A saddle type electric vehicle, comprising a frame including at least a front tube (120); at least a pair of cross tubes (130) extending substantially horizontally and rearward of the vehicle connecting at least one front tube (120); and at least plurality of rear tubes (160) extending from the cross tube (130) further rearward of the vehicle; at least a battery pack for providing power to the vehicle; at least a battery casing (190) encapsulating the battery pack; wherein the battery casing (190) is directly attached to the frame detachable from the bottom of the vehicle; at least a floorboard (150) mounted on the cross tubes (130) and wherein the battery pack extends from the front tube (120) below the floorboard (150) and bolted to the cross tube (130) of the frame.	Name of Applicant: BAJAJ AUTO TECHNOLOGY LTD. No. of Sheets: 002 No. of Applications: Sheet No. 1 of 002  FIG. 1 NOTES: DRAWING on behalf of ADMELIORA IP Patent & Trademark Attorney Agent for the applicant
DATED THIS ON 03rd DAY OF DECEMBER, 2025	
MOTASSIR AHMED (ADVOCATE) On behalf of ADMELIORA IP Patent & Trademark Attorney Agent of The Applicant	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

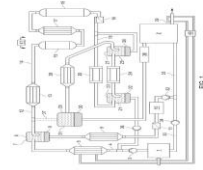
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2025-411 (22) Filed: 30/12/2025	
(23) Priority Data: Singapore, Number :2024050838, Date : 30-12-2024.	
(71) Applicant: SSHW PTE. LTD. of 855 Mountbatten Road, 437839, Singapore	
(72) Inventors: (1) Alpesh PUNA of 855 Mountbatten Road, 437839, New Zealand	
(74) Agent : ADMELIORA IP, 19/D, East Nayatola, Moghbazar, Dhaka-1217, Bangladesh	
(51) INT. CL. : E01C 11/06	
(54) Invention Title: A CRICKET BALL AND A METHOD OF MAKING THE SAME	
(57) Abstract A CRICKET BALL AND A METHOD OF MAKING THE SAME ABSTRACT A cricket ball is disclosed. The cricket ball includes an at least substantially spherical body and multiple spaced apart bumps about a great circle of the spherical body. Each bump has a height in a range of 1.0mm – 3.0mm. A method for making the cricket ball is also disclosed.	Name of Applicant: SSHW PTE. LTD No. of Applicants: 1 No. of Sheets: 1 Sheet No.: 1  Fig. 1A Fig. 1B Fig. 1C ABSTRACT of MOTASSIR AHMED ON BEHALF OF ADMELIORA IP Patent & Trademark Attorney Agent for the Applicant
DATED THIS ON 30th DAY OF DECEMBER, 2025	
MOTASSIR AHMED (ADVOCATE) On behalf of ADMELIORA IP Patent & Trademark Attorney Agent of the Applicant	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

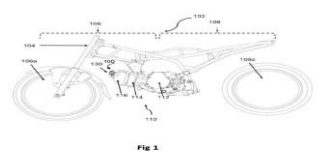
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-10 (22) Filed: 13/01/2026	
(23) Priority Data: Australia, Number :2025900114, Date : 15-01-2025.	
(71) Applicant: Gane Energy & Resources Pty Ltd of Level 19, Como Office Tower, 644 Chapel Street, VIC, South Yarra, 3141, Australia	
(72) Inventors: (1) Greg MORRIS of Level 19, Como Office Tower, 644 Chapel Street, VIC, South Yarra, 3141, Australia	
(74) Agent : ADMELIORA IP, 19/D, East Nayatola, Moghbazar, Dhaka-1217, Bangladesh	
(51) INT. CL. : F02M 37/00	
(54) Invention Title: PROCESSES AND SYSTEMS FOR PRODUCING FUELS FROM A FEED FUEL	
(57) Abstract PROCESSES AND SYSTEMS FOR PRODUCING FUELS FROM A FEED FUEL Abstract The disclosure relates to processes and systems for producing two fuels, including a main fuel and a secondary fuel, from a feed fuel that comprises alcohol, suitable for use in connection with a compression ignition engine. The process involves the catalytic conversion, in a reactor, of the alcohol content in the feed fuel into an ether, with a water byproduct. The reactor output, which comprises unreacted alcohol in addition to the ether and water; is condensed and then a liquid product comprising unreacted alcohol and water is separated from an ether-concentrated vapour. The ether-concentrated vapour is used to produce the secondary fuel. The liquid unreacted alcohol and water byproduct, with a lower ether content, is then re-directed within the process. Also described are strategies to protect the catalyst used in the catalytic conversion.	State of Applicant: Gane Energy & Resources Pty Ltd No. of Application: 100 No. of Sheets: 006 Sheet No.: 1-006  MOTASSIR AHMED an Advocate ADMELIORA IP Patent & Trademark Attorney Agent for the applicant
DATED THIS ON 13th DAY OF JANUARY, 2026	
MOTASSIR AHMED (ADVOCATE) On behalf of ADMELIORA IP Patent & Trademark Attorney Agent of the Applicant	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-75 (22) Filed: 08/03/2026	
(23) Priority Data: India, Number :202521020803, Date : 07-03-2025.	
(71) Applicant: Bajaj Auto Limited of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India	
(72) Inventors: (1) Ajit Rajearo Kulkarni of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India, (2) Gargi Sanjay Gole of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India, (3) Hariharan Mysore Ramanathan of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India, (4) Vikram Singh Khichi of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India, (5) Seema Choudhary of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India	
(74) Agent : ADMELIORA IP, 19/D, East Nayatola, Moghbazar, Dhaka-1217, Bangladesh	
(51) INT. CL. : F21S 45/465	
(54) Invention Title: ENGINE COOLING SYSTEM FOR TWO-WHEELED VEHICLE	
(57) Abstract ABSTRACT ENGINE COOLING SYSTEM FOR TWO-WHEELED VEHICLE The present invention provides a cooling system (100) for a two-wheeled vehicle comprises an engine (110) mounted on a vehicle frame structure (102). The engine (110) includes a crankcase (112), cylinder block (114), and cylinder head (116). A liquid cooler (130) is mounted on the cylinder head (116) using a mounting bracket (140). The cooling system (100) features liquid pipes with steel and rubber portions for flexibility during servicing. The horizontally inclined engine (110) uses oil, water, coolant, or a combination for cooling. This efficient system enables effective heat extraction and engine cooling through liquid circulation between the crankcase, engine components, and cooler.	Name of Applicant: BAJAJ AUTO LIMITED Din. of Application: 08/03/2026 No. of Sheets: 02 Sheet No.: 1/02  Fig. 1 MOTASSIR AHMED on behalf of ADMELIORA IP Patent & Trademark Attorney Agent for the Applicant
DATED THIS ON 7th DAY OF MARCH, 2026	
MOTASSIR AHMED (ADVOCATE) On behalf of ADMELIORA IP Patent & Trademark Attorney Agent of the Applicant	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

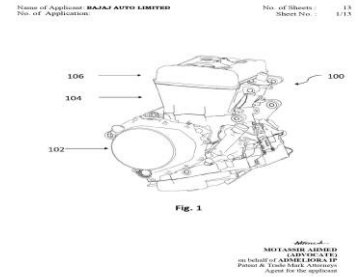
(11) Patent registration No and date , (21) Appl. No. BD-P-2026-83 (22) Filed: 11/03/2026	
(23) Priority Data: India, Number :202521021989, Date : 11-03-2025.	
(71) Applicant: Bajaj Auto Limited of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India	
(72) Inventors: (1) Hariharan Mysore Ramanathan of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India, (2) Vikram Singh Khichi of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India, (3) Seema Choudhary of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India	
(74) Agent : ADMELIORA IP, 19/D, East Nayatola, Moghbazar, Dhaka-1217, Bangladesh	
(51) INT. CL. : F21S 45/465	
(54) Invention Title: AN ENGINE COOLING SYSTEM FOR TWO-WHEELED VEHICLE	
(57) Abstract ABSTRACT AN ENGINE COOLING SYSTEM FOR TWO-WHEELED VEHICLE A cooling system (102) for a two-wheeled vehicle comprises an engine (100) mounted on a vehicle frame structure (300). The engine (100) includes a crankcase (104), a cylinder block (106), a cylinder head (108) and a cylinder head housing (116). The cylinder head housing (116) is provided with a breather chamber (110) and a cooling chamber (112) formed above the breather chamber (110) using a covering member (114) placed above the cylinder head housing (116). The cooling system (102) includes an inlet pipe (202) transmitting heated liquid from the crankcase (104) to the cooling chamber (112) and an outlet pipe (204) transmitting cooled liquid from the cooling chamber (112) to the crankcase (104). The cooling system (102) provides efficient heat dissipation and improved engine performance.	Number of Applicant: BAJAJ AUTO LIMITED Date of Application: _____ No. of Sheets: 009 Sheet No.: 1-009 Fig 1 Attorney at Law MOTASSIR AHMED On behalf of ADMELIORA IP Patent & Trademark Attorney Agent for the applicant
DATED THIS ON 11th DAY OF MARCH, 2026	
MOTASSIR AHMED (ADVOCATE) On behalf of ADMELIORA IP Patent & Trademark Attorney Agent of the Applicant	



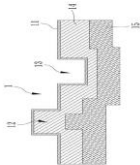
গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-84 (22) Filed: 11/03/2026	
(23) Priority Data: India, Number :202521021988, Date : 11-03-2025.	
(71) Applicant: Bajaj Auto Limited of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India	
(72) Inventors: (1) Mrudula Sunil Sawaikar of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India, (2) Ayan Adhikary of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India, (3) Santhosh Kallayat Vijayan of Bajaj Auto Limited, Mumbai-Pune Road, Pune, Akurdi, 411035, India	
(74) Agent : ADMELIORA IP, 19/D, East Nayatola, Moghbazar, Dhaka-1217, Bangladesh	
(51) INT. CL. : F01L 13/08	
(54) Invention Title: DECOMPRESSION SYSTEM FOR AN ENGINE	
(57) Abstract ABSTRACT DECOMPRESSION SYSTEM FOR AN ENGINE A decompression system (200) for an engine (100), comprising: at least two valves per cylinder (202, 204) of the engine, a camshaft (206) having at least two cam lobes (206b, 206c) for actuating respective cylinder valves (202b, 204b); a decompression unit (210) is mounted centrally on the camshaft (206) between the camlobes (206b, 206c). Further, the decompression unit (210) includes first housing part (212) and a second housing part (214), the first housing part (212) and second housing (214) part are joined using fastening means (216).	
DATED THIS ON 11th DAY OF MARCH, 2026 MOTASSIR AHMED (ADVOCATE) On behalf of ADMELIORA IP Patent & Trademark Attorney Agent of the Applicant	



Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-121 (22) Filed: 01/04/2026		
(23) Priority Data: N/A		
(71) Applicant: ZHONG QIANG YI TECHNOLOGY CO., LTD. of NO. 910, ZHONGSHAN RD., SHENGANG DIST., TAICHUNG CITY, Nationality -Taiwan		
(72) Inventors: (1) TZU-CHIANG KAO of NO. 910, ZHONGSHAN RD., SHENGANG DIST, TAICHUNG CITY, Taiwan Nationality -Taiwan, (2) YU-SHENG, KAO of NO. 910, ZHONGSHAN RD., SHENGANG DIST., TAICHUNG CITY, Taiwan Nationality -Taiwan		
(74) Agent : ADMELIORA IP, 19/D, East Nayatola, Moghbazar, Dhaka-1217, Bangladesh		
(51) INT. CL. : B32B 5/18		
(54) Invention Title: FLEXIBLE ELECTRICAL INSULATING FABRIC WITH VERTICAL FEATURE		
(57) Abstract ABSTRACT		
Name of Applicant: ZHONG QIANG YI TECHNOLOGY CO., LTD. No. of Applications: 1 No. of Sheets: 17 Sheet No.: 1 of 17		
FLEXIBLE ELECTRICAL INSULATING FABRIC WITH VERTICAL FEATURE A flexible electrical insulating fabric with vertical features is provided. The fabric (1) includes a liquid-impermeable hard surface layer (11), a porous foam core layer (14) provided with features of vertically raised portions (12) and vertically depressed portions (13), and a porous fiber core layer (15). A longer electrical pathway (2) is formed transversely on a surface of the fabric (1) by the features of the vertically raised portions (12) and the vertically depressed portions (13) so as to reduce electrical conductance. Compared with a surface length of the fabric (1), a length of the electrical pathway (2) is increased due to creation of the three-dimensional vertically raised features and vertically depressed features. At the same time, a risk of death caused by electric current flowing through conduction paths is reduced. Thereby the flexible electrical-insulating fabric is more practical and convenient to use.	 FIG. 1 Attention: MOTASSIR AHMED is a Patent Agent on behalf of ADMELIORA IP Patent & Trademark Attorney Agent for the applicant	
DATED THIS ON 01ST DAY OF APRIL, 2026		
MOTASSIR AHMED (ADVOCATE) On behalf of ADMELIORA IP Patent & Trademark Attorney Agent of the Applicant		



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-138 (22) Filed: 12/04/2026	
(23) Priority Data: India, Number :202521036082, Date : 14-04-2025.	
(71) Applicant: BAJAJ AUTO TECHNOLOGY LTD. of C/o Bajaj Auto Technology Ltd, Mumbai Pune Road, Akurdi, Pune, 411035, India	
(72) Inventors: (1) ABRAHAM JOSEPH of C/o Bajaj Auto Technology Ltd, Mumbai Pune Road, Akurdi, Pune, 411035, India, (2) MAHENDRA JAYANTIBHAI PATEL of C/o Bajaj Auto Technology Ltd, Mumbai Pune Road, Akurdi, Pune, 411035, India, (3) JUGAL RAMESHKUMAR PANCHAL of C/o Bajaj Auto Technology Ltd, Mumbai Pune Road, Akurdi, Pune, 411035, India	
(74) Agent : ADMELIORA IP, 19/D, East Nayatola, Moghbazar, Dhaka-1217, Bangladesh	
(51) INT. CL. : B60L 53/24	
(54) Invention Title: CHARGING SYSTEM FOR VEHICLE	
(57) Abstract ABSTRACT CHARGING SYSTEM FOR VEHICLE A charging system (10) for a vehicle (20), comprising at least a battery (160) configured to receive power for charging from at least an external power source; at least a first charging interface (30) configured to receive alternating current (AC) power from the external power source for charging of the battery (160); at least a second charging interface (40) configured to receive at least a direct current (DC) power from the external power source for charging of the battery (160); at least a power conversion module connected to any one or both of the first and second charging interfaces, (30, 40), wherein the power conversion module being configured to convert the AC power to DC power for charging the vehicle (20).	FIG. 1 Legend: 10: External power source 20: Vehicle 30: First charging interface (AC) 40: Second charging interface (DC) 160: Power conversion module
DATED THIS ON 12th DAY OF APRIL, 2026	
MOTASSIR AHMED (ADVOCATE) On behalf of ADMELIORA IP Patent & Trademark Attorney Agent of the Applicant	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-175 (22) Filed: 30/04/2026	
(23) Priority Data: India, Number :202521042180, Date : 01-05-2025.	
(71) Applicant: BAJAJ AUTO LTD. of Bajaj Auto Limited, Mumbai-Pune Road, Akurdi, Pune, 411035, India	
(72) Inventors: (1) ABRAHAM JOSEPH of Bajaj Auto Ltd, at Akurdi, Mumbai-Pune Road, Pune, Maharashtra, 411035, India, (2) HARIHARAN MYSORE RAMANATHAN of Bajaj Auto Ltd, at Akurdi, Mumbai-Pune Road, Pune, Maharashtra, 411035, India, (3) SAMEER ANIL VAIDYA of Bajaj Auto Ltd, at Akurdi, Mumbai-Pune Road, Pune, Maharashtra, 411035, India, (4) SUMIT SAINI of Bajaj Auto Ltd, at Akurdi, Mumbai-Pune Road, Pune, Maharashtra, 411035, India, (5) VIKRAM SINGH KHICHI of Bajaj Auto Ltd, at Akurdi, Mumbai-Pune Road, Pune, Maharashtra, 411035, India	
(74) Agent : ADMELIORA IP, 19/D, East Nayatola, Moghbazar, Dhaka-1217, Bangladesh	
(51) INT. CL. : F21S 45/465	
(54) Invention Title: A COOLING SYSTEM FOR A TWO-WHEELED VEHICLE	
(57) Abstract ABSTRACT A COOLING SYSTEM FOR A TWO-WHEELED VEHICLE A cooling system 100 for a two-wheeled vehicle comprising a vehicle frame structure 102 with a head tube 104, a front frame structure 106, and a rear frame structure 108. An engine 110 with a crankcase 112, a cylinder block 114, and a cylinder head 116 is mounted on the front frame structure 106. A plurality of crankcase covers 202, 204 covering the crankcase 112 from sides. A liquid cooler 200 is connected to the engine 110, and mounted on one of the plurality of crankcase covers, extending towards a top side of the vehicle. The present cooling system provides efficient engine cooling and compact integration with the vehicle structure.	State of Applicant: BAJAJ AUTO LIMITED No. of Application: 12 Sheet No.: 1/12 Figure 1 Attorney of ADMELIORA IP On behalf of ADMELIORA IP Patent & Trademark Attorney Agent for the applicant
DATED THIS ON 30TH DAY OF APRIL, 2026	
MOTASSIR AHMED (ADVOCATE) On behalf of ADMELIORA IP Patent & Trademark Attorney Agent of the Applicant	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-177 (22) Filed: 03/05/2026
(23) Priority Data: N/A
(71) Applicant:
(72) Inventors:
(74) Agent : SupremeIP Law Firm, {app_representative_address},
(51) INT. CL. :
(54) Invention Title:
(57) Abstract



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

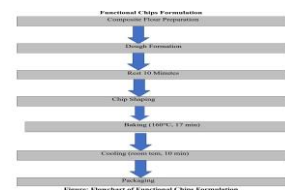
(11) Patent registration No and date , (21) Appl. No. BD-P-2026-200 (22) Filed: 24/05/2026	
(23) Priority Data: N/A	
(71) Applicant: Mohd. Keramat Ali, Proprietor, Karamax-Rubber International of Village: Satshaiya, Post Office: Satshaiya Police Station: Fakirhat District: Bager Hat, Bangladesh, Nationality -Bangladesh	
(72) Inventors: (0) Mohd. Keramat Ali, Proprietor, Karamax-Rubber International of Village: Satshaiya, Post Office: Satshaiya Police Station: Fakirhat District: Bager Hat, Bangladesh, Bangladesh Nationality -Bangladesh	
(74) Agent : Ram Proshad Debnath, Karamax-Rubber International, Village: Satshaiya, Post Office: Satshaiya Police Station: Fakirhat District: Bager Hat, Bangladesh	
(51) INT. CL. : A01N 25/02	
(54) Invention Title: “KARAMAX Food grade mosquito repellent spray”	
(57) Abstract ABSTRACT OF THE INVENTION: This invention relates to an environmentally friendly and human health safe mosquito repellent liquid formulation made from completely natural, organic and food-grade ingredients and a method for preparing the same. The main ingredient of this formulation is 0.0005% (0.0005%) active acetic acid (also known as food-grade vinegar), which is highly effective against germs and mosquitoes. and 3-4 types of specific natural mineral salts and natural solutions used at a rate of 0.0005% to 3% (0.0005% - 3%). This human-friendly dose or liquid solution is prepared by mixing and uniformly dissolving these ingredients in specific scientific steps.	Applicant Name: Mohd. Keramat Ali, Proprietor, Karamax-Rubber International Main Filing Instructions for Layout Design: TOP MARGIN (2.5 cm) [FIGURE 1: FRONT VIEW] [FIGURE 2: REAR VIEW] BOTTOM MARGIN (1.5 cm)



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

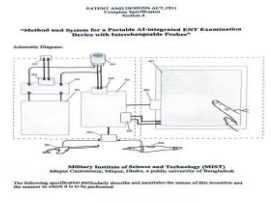
(11) Patent registration No and date , (21) Appl. No. BD-P-2026-230 (22) Filed: 23/06/2026
(23) Priority Data: N/A
(71) Applicant: Daffodil International University of Daffodil Smart City, Birulia, Savar, Dhaka, 1216, Bangladesh
(72) Inventors: (1) MD MASUDUL ISLAM KHAN of Department of Nutrition and Food Engineering (NFE), Faculty of Health and Life Sciences (FHLS), Daffodil International University, Daffodil Smart City, Birulia, Savar, Dhaka, 1216, Bangladesh, (2) MD. HARUN-AR RASHID of Department of Nutrition and Food Engineering (NFE), Faculty of Health and Life Sciences (FHLS), Daffodil International University, Daffodil Smart City, Birulia, Savar, Dhaka, 1216, Bangladesh, (3) DR. MD BELLAL HOSSAIN of Department of Nutrition and Food Engineering (NFE), Faculty of Health and Life Sciences (FHLS), Daffodil International University, Daffodil Smart City, Birulia, Savar, Dhaka, 1216, Bangladesh
(74) Agent : bd_daffodilinternationaluniversity9ba14, Daffodil Smart City, Birulia, Savar, Dhaka-1216, Bangladesh, 1216, Dhaka, Bangladesh
(51) INT. CL. : A23L 19/00
(54) Invention Title: Development of High-Fiber Functional Chips Using Mango and Jackfruit Seed Kernels
(57) Abstract This invention presents a novel process for the production of high-fiber functional snack chips derived from mango seed kernel and jackfruit seed byproducts. By utilizing under-exploited fruit seeds, which are typically discarded during processing, this invention offers an innovative, oil-free, gluten-free, and trans-fat-free alternative to conventional fried snack chips. A central novelty of this invention is its scientifically validated safety protocol; mango (<i>Mangifera indica</i> L.) seed kernels in their raw state are known to contain astringent tannins and cyanogenic glycosides (compounds that can release hydrocyanic acid). The multi-stage processing protocol developed in this invention comprising sequential double-blanching at 95°C, cold-water shocking for 24 hours, and controlled drying has been confirmed by laboratory analysis to render cyanogenic compounds undetectable in the final product, establishing the safety of this novel food ingredient. The chips are formulated using a composite flour blend of 30% mango seed kernel powder, 40% jackfruit seed flour, and 15% rice flour, with added spices and other ingredients for flavor enhancement. The manufacturing process includes blanching, drying, milling, and oil-free baking, ensuring the product maintains high nutritional value while eliminating harmful oils and trans fats. The final product boasts significantly higher protein (8.32%) and fiber (21.32%) content compared to traditional snacks, along with high antioxidant properties including phenolic compounds (320 mg GAE/100g), flavonoids, and tannins. These bioactive compounds contribute to antidiabetic, antioxidant, and anti-inflammatory benefits, making the chips suitable for diabetic and health-conscious consumers. Sensory evaluation yielded an overall acceptability score of 7.3/9, confirming market readiness. Additionally, this invention addresses environmental sustainability by valorizing agricultural waste and reducing food waste, offering a sustainable solution for the food industry. The novel composition, safety- validated processing method, and confirmed functional attributes position this invention as a health-promoting, nutritionally enriched, and market-ready snack that could significantly impact the food industry.





গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

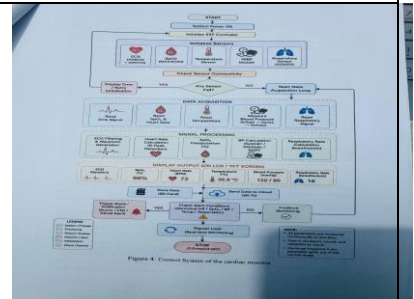
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-237 (22) Filed: 25/06/2026	
(23) Priority Data: N/A	
(71) Applicant: Military Institute of Science and Technology, Mirpur Cantonment, Dhaka of Mirpur Cantonment, Dhaka-1216, Dhaka, 1216, Bangladesh, Syed Rashedul Haque (Colonel, Bangladesh Army) of Biomedical Engineering Department, Military Institute of Science and Technology(MIST), Mirpur Cantonment, Dhaka, Dhaka, 1216, Bangladesh	
(72) Inventors: (0) Military Institute of Science and Technology, Mirpur Cantonment, Dhaka of Mirpur Cantonment, Dhaka-1216, Dhaka, 1216, Bangladesh, (2) Md. Tobibul Islam of Biomedical Engineering Department, Military Institute of Science and Technology, Mirpur Cantonment, Dhaka, Dhaka, 1216, Bangladesh, (3) Tahmid Zaman Raad of Biomedical Engineering Department, Military Institute of Science and Technology, Mirpur Cantonment, Dhaka, Dhaka, 1216, Bangladesh, (4) Md Maruf Hasan of Biomedical Engineering Department, Military Institute of Science and Technology, Mirpur Cantonment, Dhaka, Dhaka, 1216, Bangladesh, (5) Md Kaiissar Mannoor of Biomedical Engineering Department, Military Institute of Science and Technology, Mirpur Cantonment, Dhaka, Dhaka, 1216, Bangladesh, (6) Md. Abdul Mannan of Professor, Department of Neonatology, Bangladesh Medical University (BMU) Shahbag, Dhaka-1000, Dhaka, 1000, Bangladesh	
(74) Agent : Mohammad Azizul Hoque, NORTH TARAKUCHA, FULGAZI, AMJAD HAT, 3942, Feni, Bangladesh	
(51) INT. CL. : G09B 19/00	
(54) Invention Title: Method and System for a Portable AI-integrated ENT Examination Device with Interchangeable Probes	
(57) Abstract Diseases affecting the ear, nose, and throat (ENT) require a timely and accurate diagnosis. However, conventional diagnostic instruments such as otoscopes, laryngoscopes, and nasal endoscopes are typically designed as separate, single-purpose devices. This limits flexibility, equipment burden, and adds operational complexity in clinical practice. Also, the high cost of these devices makes them scarce and restricted to well-funded hospitals. This means that a large portion of people in low-income countries such as Bangladesh don't have access to reliable ENT diagnostics. In this work, we propose a novel handheld device that replaces multiple conventional ENT instruments and provides multi-functional diagnostic capabilities in a compact, unified platform. The system is based on a modular architecture, with a shared core unit handling imaging and processing and interchangeable probes for otoscopic and laryngoscopic examinations. The design prioritizes portability, affordability, and ease of use, making it suitable for use in remote settings. Preliminary prototyping and evaluation have demonstrated its feasibility at multi-site visual inspection using a single handheld device. This modular system includes basic AI-based anomaly detection for common ENT issues such as polyps, perforated eardrums, earwax buildup, and mucosal inflammation, providing a foundation for automated decision support. This device can reduce equipment redundancy, improve access to basic ENT diagnostics, and support point-of-care use in low-resource settings.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-240 (22) Filed: 29/06/2026	
(23) Priority Data: N/A	
(71) Applicant: Military Institute of Science and Technology of Mirpur Cantonment, Dhaka-1216, Dhaka, 1216, Bangladesh, Colonel Syed Rashedul Haque (Colonel, Bangladesh Army) of Biomedical Engineering Department, Military Institute of Science and Technology, Mirpur Cantonment, Dhaka., Dhaka, 1216, Bangladesh	
(72) Inventors: (0) Military Institute of Science and Technology of Mirpur Cantonment, Dhaka-1216, Dhaka, 1216, Bangladesh, (2) Brigadier General Mohammad Shariful Islam(BD Army) of Biomedical Engineering Department, Military Institute of Science and Technology, Mirpur Cantonment, Dhaka., Dhaka, 1216, Bangladesh, (3) Samir Fazal manam of Biomedical Engineering Department, Military Institute of Science and Technology, Mirpur Cantonment, Dhaka., Dhaka, 1216, Bangladesh, (4) Md Ushama Shafoyat of Tower-4, 3rd Floor, Biomedical Engineering Department, Military Institute of Science and Technology, Mirpur cantonment Dhaka., Dhaka, 1216, Bangladesh	
(74) Agent : Mohammad Azizul Hoque, NORTH TARAKUCHA, FULGAZI, AMJAD HAT, 3942, Feni, Bangladesh	
(51) INT. CL. : A61B 5/00	
(54) Invention Title: A COST-EFFECTIVE, AI-BASED PORTABLE HEART MONITORING DEVICE FOR EARLY DETECTION OF CARDIAC ANOMALIES.	
(57) Abstract This project presents a cost-effective, AI-integrated portable cardiac monitoring device designed for early detection of cardiac anomalies. The system integrates multiple biomedical sensors—ECG, SpO ₂ , blood pressure, respiratory rate, and temperature—to continuously measure critical physiological parameters. An embedded AI framework analyzes multi-sensor data in real time, detecting abnormalities such as arrhythmias, hypoxia, hypertension, and irregular breathing patterns through sensor fusion. The device features a touch display for real-time waveform visualization, alerts, remote monitoring and telemedicine integration. Optional report printing supports clinical documentation. One of the key strength of the device is cost effectiveness by using ECG lead reduction using mathematical calculation and use of readily available modern components and sensors. Furthermore, the system can be extended with additional features such as wireless communication, mobile app, and AI-based cuff-less blood pressure estimation. The design prioritizes affordability and low power consumption, making it ideal for rural and resource-limited settings.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

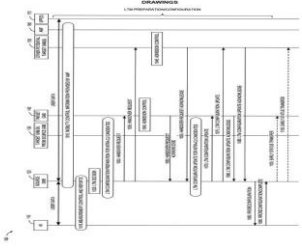
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-245 (22) Filed: 02/07/2026
(23) Priority Data: N/A
(71) Applicant: Sher-e-Bangla Agricultural University of Sher-e-Bangla Nagar, Dhaka, 1207, Bangladesh
(72) Inventors: (1) Dr. Md. Mohibbullah, Assistant Professor of Department of Fishing and Post Harvest Technology, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka, 1207, Bangladesh
(74) Agent : bd_drmdmohibbullahc8ee2, eapartment of Fishing and Post Harvest Technology, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh., 1207, Dhaka, Bangladesh
(51) INT. CL. : A23L 17/00
(54) Invention Title: Species-Specific Low-Cost Surimi Processing Technology Using Optimized Washing Conditions, Salt Treatment and Mechanical Screw Press Dewatering System and Value-Added Surimi Product Development (SAU Surimi Blocks, Surimi Cake, Surimi Ball, Surimi Burger, and Surimi Nugget) from Pennah Croaker (<i>Pennahia ovata</i>) and Ribbon fish/Hairtail Fish (<i>Trichiurus lepturus</i>)
(57) Abstract The present invention relates to a species-specific, low-cost surimi processing technology and value-added seafood product development using underutilized marine fish species, namely Pennah Croaker (<i>Pennahia ovata</i>) and Ribbon fish/Hairtail (<i>Trichiurus lepturus</i>). The invention provides an integrated processing system comprising optimized washing conditions, controlled salt treatment, mechanical screw press dewatering, cryoprotectant incorporation, surimi block production, and development of value-added surimi products. The process includes chilled raw material handling, dressing, deboning, species-specific washing at 0–5°C using a water-to-mince ratio of 1:2 with three washing cycles, optimized for each fish species to improve protein functionality, whiteness, odor removal, lipid reduction, and gel quality. Salt treatment is applied during the second washing cycle at optimized concentrations of 0.2% (w/w) for Hairtail and 0.5% (w/w) for Pennah Croaker to enhance protein solubilization, gel formation, texture, elasticity, and water-holding capacity. A specially designed mechanical screw press dewatering system is employed to reduce mince moisture content to approximately 70% while minimizing protein denaturation and maintaining gel-forming ability. Cryoprotectants comprising 2% sorbitol and 0.2% sodium tripolyphosphate are incorporated to improve frozen storage stability. The processed surimi is refined, packaged, frozen, and utilized for the manufacture of innovative value-added products including SAU Surimi Blocks, Surimi Cake, Surimi Ball, Surimi Burger, and Surimi Nugget. The invention offers a commercially viable, low-cost, and scalable technology suitable for small- and medium-scale coastal processing industries in Bangladesh, promoting utilization of underexploited fish resources, reducing post-harvest losses, enhancing product quality, and creating opportunities for domestic commercialization and export-oriented seafood processing.



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

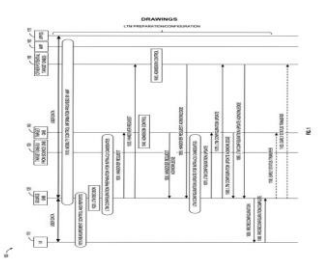
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-247 (22) Filed: 05/07/2026	
(23) Priority Data: India, Number :202541077624, Date : 14-08-2025.	
(71) Applicant: Nokia Technologies Oy of Karakaari 7, Espoo 02610, Nationality -Finland	
(72) Inventors: (0) Nokia Technologies Oy of Karakaari 7, Espoo 02610, Finland Nationality -Finland	
(74) Agent : A.B.M. Sohailud Doulah, IP Attorney, House No. 153/2, Road No. 2/2, Block A, Section 12, Mirpur, , 1216, Dhaka, Bangladesh	
(51) INT. CL. : H04W 36/30	
(54) Invention Title: MECHANISM FOR MEASUREMENT RESOURCES FOR CANDIDATE CELL MEASUREMENTS	
(57) Abstract Example embodiments of the present disclosure are directed to methods, devices, apparatuses and computer readable storage medium for measurement resources for candidate cell measurements. A method comprises receiving, from a second apparatus, a common resource configuration indicating a configuration for one or more sets of resources, wherein each set of resources indicates measurement reference signals corresponding to one or more candidate cells; wherein the common resource configuration is for both a radio resource management, RRM, measurement and channel state information, CSI, acquisition; receiving, from the second apparatus, a set of reporting configurations for reporting measurements of reference signals corresponding to the one or more candidate cells; determining a set of resources from the one or more sets of resources based on: the common resource configuration and the set of reporting configuration; and performing a measurement on a set of reference signals associated with the set of resources.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-249 (22) Filed: 05/07/2026	
(23) Priority Data: India, Number :202541077625, Date : 14-08-2025.	
(71) Applicant: Nokia Technologies Oy of Karakaari 7, Espoo 02610, Nationality -Finland	
(72) Inventors: (0) Nokia Technologies Oy of Karakaari 7, Espoo 02610, Finland Nationality -Finland	
(74) Agent : A.B.M. Sohailud Doulah, IP Attorney, House No. 153/2, Road No. 2/2, Block A, Section 12, Mirpur, , 1216, Dhaka, Bangladesh	
(51) INT. CL. : H04W 24/10	
(54) Invention Title: MECHANISM FOR MEASUREMENT RESOURCES FOR CANDIDATE CELL MEASUREMENTS	
(57) Abstract Example embodiments of the present disclosure are directed to methods, devices, apparatuses and computer readable storage medium for measurement resources for candidate cell measurements. In one method, a first apparatus receives, from a second apparatus, a resource configuration indicating at least one set of reference signal resources corresponding to a candidate cell. The at least one set of reference signal resources is for channel state information (CSI) acquisition. The first apparatus performs a measurement for the CSI acquisition on a set of reference signals received on the at least one set of reference signal resources from the candidate cell.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

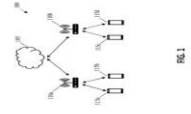
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-251 (22) Filed: 06/07/2026
(23) Priority Data: United Kingdom, Number :25124470, Date : 31-07-2025.
(71) Applicant: POLYMATERIA LIMITED of First Floor, 5 Fleet Place, London, EC4M 7RD, Nationality -United Kingdom
(72) Inventors: (0) POLYMATERIA LIMITED of First Floor, 5 Fleet Place, London, EC4M 7RD, United Kingdom Nationality -United Kingdom
(74) Agent : A.B.M. Sohailud Doulah, IP Attorney, House No. 153/2, Road No. 2/2, Block A, Section 12, Mirpur, , 1216, Dhaka, Bangladesh
(51) INT. CL. : C08J 5/18
(54) Invention Title: DEGRADABLE ORIENTED POLYMER PRODUCTS
(57) Abstract There is provided a degradable oriented film or twine comprising: (a) polypropylene and/or polyethylene; (b) one or more transition metal compounds in a total amount of from 0.03 to 0.6wt%, based on the total weight of the degradable oriented film or twine, (c) one or more non-coordinated, saturated or unsaturated C ₁₄ -C ₂₄ carboxylic acid or an ester, anhydride or amide thereof, in a total amount of from 0.01 to 0.6wt%, based on the total weight of the degradable oriented film or twine; (d) a rubber in an amount of from 0.02 to 0.65wt%, based on the total weight of the degradable oriented film or twine; (e) an antioxidant stabilizer composition in an amount of from 0.001 to 0.48 wt%, based on the total weight of the degradable oriented film or twine; wherein the one or more transition metal compounds comprises iron, manganese, copper, cobalt or cerium, and wherein the antioxidant stabiliser composition comprises a non-phenolic antioxidant and, optionally, an acid scavenger, and is free from phenolic antioxidants.



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

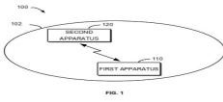
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-261 (22) Filed: 14/07/2026	
(23) Priority Data: Finland, Number :20253376, Date : 14-07-2025.	
(71) Applicant: Nokia Technologies Oy of Karakaari 7, Espoo 02610, Nationality -Finland	
(72) Inventors: (0) Nokia Technologies Oy of Karakaari 7, Espoo 02610, Finland Nationality -Finland	
(74) Agent : A.B.M. Sohailud Doulah, IP Attorney, House No. 153/2, Road No. 2/2, Block A, Section 12, Mirpur, , 1216, Dhaka, Bangladesh	
(51) INT. CL. : G06F 1/3234	
(54) Invention Title: TRANSMITTING AND RECEIVING INFORMATION ABOUT A DYNAMIC POWER SAVE PROCEDURE	
(57) Abstract An apparatus, method, and computer program product are provided for receiving, from a transmission opportunity holder station, a frame associated with a transmission opportunity; transmitting, to the holder station, one or more response frames comprising a parameter set configured to indicate information about a dynamic power save procedure for the station; transitioning between a first capability mode and a second capability mode based on the parameter set, wherein a first parameter of the set maps to one of a corresponding first time value or a corresponding first index value by the holder station using a first table, and a second parameter of the set is configured to be mapped to one of a corresponding second time value or a corresponding second index value by the transmission opportunity holder station using a second table; and receiving, from the holder station and while in the second capability mode, one or more packets.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

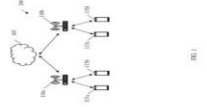
Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-265 (22) Filed: 19/07/2026	
(23) Priority Data: China, Number :2025117117, Date : 26-08-2025.	
(71) Applicant: Nokia Technologies Oy of Karakaari 7, Espoo 02610, Nationality -Finland	
(72) Inventors: (0) Nokia Technologies Oy of Karakaari 7, Espoo 02610, Finland Nationality -Finland	
(74) Agent : A.B.M. Sohailud Doulah, IP Attoreny, House No. 153/2, Road No. 2/2, Block A, Section 12, Mirpur, , 1216, Dhaka, Bangladesh	
(51) INT. CL. : H04W 74/08	
(54) Invention Title: POSITIONS OF BACKOFF INDICATOR SUBHEADER AND PADDING SUBHEADER	
(57) Abstract Example embodiments of the present disclosure are directed to positions of backoff indicator and padding subheaders. A first apparatus transmits, to a second apparatus, a contention-based transmission message as part of a random access procedure. The first apparatus receives, from the second apparatus, a response to the contention-based transmission message. If the backoff indicator subheader and the at least one padding subheader are both present in a header of the response to the contention-based transmission message, either the backoff indicator subheader is at a beginning of the header and the at least one padding subheader is immediately after the backoff indicator subheader or after the backoff indicator subheader; or the at least one padding subheader is at the beginning of the header and the backoff indicator subheader is immediately after the at least one padding subheader.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

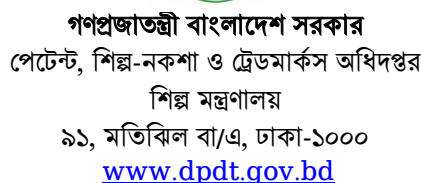
(11) Patent registration No and date , (21) Appl. No. BD-P-2026-266 (22) Filed: 19/07/2026	
(23) Priority Data: United States of America, Number :63850940, Date : 25-07-2025.	
(71) Applicant: Nokia Technologies Oy of Karakaari 7, Espoo 02610, Nationality -Finland	
(72) Inventors: (0) Nokia Technologies Oy of Karakaari 7, Espoo 02610, Finland Nationality -Finland	
(74) Agent : A.B.M. Sohailud Doulah, IP Attoreny, House No. 153/2, Road No. 2/2, Block A, Section 12, Mirpur, , 1216, Dhaka, Bangladesh	
(51) INT. CL. : H04W 72/04	
(54) Invention Title: EARLY SWITCH BACK FOR TRANSMISSION OPPORTUNITY-BASED NON-PRIMARY CHANNEL ACCESS	
(57) Abstract An apparatus, method, and computer program product are provided for switching (902) from utilizing a basic service set primary channel to utilizing a non-primary channel access primary channel in association with a duration of a transmission opportunity; receiving (904), from an access point, a frame associated with switching to utilizing the basic service set primary channel before an expiration of the duration; and switching (906), based on the frame, from utilizing the non-primary channel access primary channel to utilizing the basic service set primary channel.	
(Figure 9)	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-275 (22) Filed: 26/07/2026
(23) Priority Data: N/A
(71) Applicant: Daffodil International University of Daffodil Smart City, Birulia, Savar, Dhaka, 1216, Bangladesh
(72) Inventors: (1) FIZAR AHMED of DIU, Birulia, Ashulia, Dhaka, 1216, Bangladesh, (2) Dr. Md. Shahid Uz Zaman of , Dhaka, Bangladesh Nationality -Bangladesh
(74) Agent : Faculty of Graduate Studies , Daffodil Smart City, Birulia, Savar, Dhaka-1216, Bangladesh, 1216, Dhaka, Bangladesh
(51) INT. CL. : G01N 33/00
(54) Invention Title: A SYSTEM AND METHOD FOR AUTOMATED REAL-TIME METHANE (CH ₄) QUANTIFICATION AND DIGITAL AUDIT TRAIL GENERATION FOR CARBON CREDIT VERIFICATION.
(57) Abstract The invention discloses an automated, high-precision IoT-driven ecosystem and method designed to establish an immutable Digital Audit Trail for methane quantification and carbon credit trading. Operating across decentralized community biogas networks, the system replaces flawed manual estimates with a continuous sensor topology comprising NDIR purity cells, flow-meters, and thermodynamic transducers. An embedded edge gateway normalizes raw values to Standard Temperature and Pressure (STP) using a hardware-level gas law algorithm and encrypts data frames with AES-128 bit keys to guarantee tamper-proof field reporting. The cloud backend translates the real-mass methane data into high-integrity Verified Carbon Units (CO ₂ e) based on standard climate metrics. Administered via a 50-50 revenue contract between DIU-ESRC and ESDO, this model provides a highly transparent climate finance framework for rural development and carbon asset monetization in developing regions.

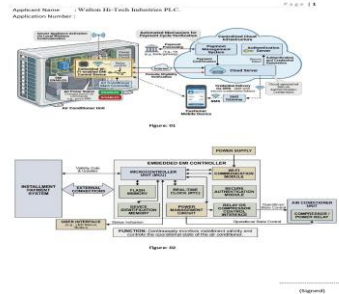


(11) Patent registration No and date ,	
(21) Appl. No. BD-P-2026-276	
(22) Filed: 26/07/2026	
(23) Priority Data:	
United States of America, Number :63855390, Date : 01-08-2025.	
(71) Applicant: AgriVitae LLC of 4006 Caminito Terviso, San Diego, California 92122, Nationality -United States of America	
(72) Inventors: (0) AgriVitae LLC of 4006 Caminito Terviso, San Diego, California 92122, United States of America Nationality -United States of America	
(74) Agent : A.B.M. Sohailud Doulah, IP Attorney, House No. 153/2, Road No. 2/2, Block A, Section 12, Mirpur, , 1216, Dhaka, Bangladesh	
(51) INT. CL. : C12N 15/00	
(54) Invention Title: PLANTS WITH MODIFIED DEOXYHYPUSINE SYNTHASE GENES	
(57) Abstract	
The disclosure relates to plants and methods of producing plants with delayed senescence, wherein the plants comprise at least one nucleotide deletion, insertion, or substitution in at least one copy of an endogenous gene encoding deoxyhypusine synthase (DHS) in the plant, wherein the nucleotide deletion, insertion, or substitution decreases the activity of DHS encoded by the gene in the plant. The disclosure also relates to plants produced by the methods described herein and progeny thereof.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-277 (22) Filed: 26/07/2026	
(23) Priority Data: N/A	
(71) Applicant: Walton Hi-Tech Industries PLC of Corporate Office: Plot: 1088, Block: I, Road: Sabrina Sobhan 5th Avenue, Bashundhara, P.O: Khilkhet, P.S: Vatara, Dhaka-1229, Nationality -Bangladesh	
(72) Inventors: (1) Md. Zweel Rana of Walton Hi-Tech Industries PLC, Bashundhara,Vatara, Dhaka-1229., Bangladesh Nationality -Bangladesh, (2) Muzahidul Islam of Walton Hi-Tech Industries PLC, Bashundhara,Vatara, Dhaka-1229, Bangladesh Nationality -Bangladesh	
(74) Agent : Syed, Plot-1088,Block-i,Road-Sabrina Sobhan 5th Avenue, 1230, Dhaka, Bangladesh	
(51) INT. CL. : G09B 5/00	
(54) Invention Title: Secure IoT-Based Installment Payment Management System and Method for Operational Control of Electrical Appliances.	
(57) Abstract The present invention relates to a system and method for securely controlling the operation of electrical appliances purchased under an installment payment program. The invention comprises an embedded electronic control module integrated with an appliance, a centralized cloud-based payment management server, an authentication engine, a customer communication device, and a local wireless communication interface. The embedded controller automatically places the appliance into a restricted operational state upon expiration of a predefined installment period. Following successful payment verification, the cloud server generates a unique authorization credential associated with the appliance and transmits the credential to the customer's communication device. The customer communication device establishes a local wireless communication session with the embedded controller and securely transfers the authorization credential. The embedded controller verifies the credential, authenticates the appliance identity, and restores normal appliance operation upon successful validation. The disclosed invention improves installment payment compliance while reducing operational costs by eliminating manual unlocking procedures and minimizing service intervention. The invention applies to air conditioners and other electronically controllable consumer and commercial electrical appliances.	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-278 (22) Filed: 27/07/2026	
(23) Priority Data: N/A	
(71) Applicant: Mohammad Mustafa Haider, Managing Director, Samuda Construction Limited of T.K. Bhaban (8th & 9th Floor), 13 Kawranbazar, Dhaka-1215, Dhaka, Dhaka, 1215, Bangladesh	
(72) Inventors: (0) Mohammad Mustafa Haider, Managing Director, Samuda Construction Limited of T.K. Bhaban (8th & 9th Floor), 13 Kawranbazar, Dhaka-1215, Dhaka, Dhaka, 1215, Bangladesh	
(74) Agent : Md. Mostafizur Rahman, Advocate of Samuda Construction Limited, T.K. Bhaban (8th & 9th Floor), 13 Kawranbazar, Dhaka-1215, 1215, Dhaka, Bangladesh	
(51) INT. CL. : E02D 5/03	
(54) Invention Title: “U-Shaped High Strength Concrete (PHC) Sheet Pile”	
(57) Abstract The present invention relates to a Pretensioner U-shaped High Strength Concrete (UPHC) Sheet Piles are advanced precast concrete elements designed for structural applications requiring high durability, load-bearing capacity, and resistance to environmental factors. These piles are ideal for marine, flood protection, and deep foundation project where corrosion resistance and longevity are critical. Pretensioner U-shaped High Strength Concrete (UPHC) Sheet Piles are a durable. Long lasting, and cost effective solution for various infrastructure projects. Their superior corrosion resistance and low maintenance make them and excellent choice for Bangladesh’s infrastructure needs, particularly in coastal, flood-prone, and high-load-bearing applications.	
	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-279 (22) Filed: 27/07/2026
(23) Priority Data: N/A
(71) Applicant: Bangladesh Energy & Power Research Council of IEB Bhaban (Level-12), Dhaka, Ramna, 1000, Bangladesh
(72) Inventors: (1) Dr. Md. Khalekuzzaman of Puratan Panchagarh, Holding No-322, Panchagarh Sadar, Panchagarh Sadar, 5000, Bangladesh
(74) Agent : Bangladesh Energy and Power Research Council (BEPRC)), 11th floor, IEB Building, Ramna, 1000, Dhaka, Bangladesh
(51) INT. CL. : C10G 1/00
(54) Invention Title: Simultaneous multi-stage co-hydrothermal liquefaction of fecal sludge and rice husk with low-cost magnetite-induced in-situ catalytic upgrading of biocrude
(57) Abstract Disclosed herein is a process for the conversion of high-moisture wastewater sludge (fecal sludge) in combination with lignocellulosic biomass (rice husk) into biocrude through co-hydrothermal liquefaction (co-HTL). The process employs single-stage (SS), multi-stage (MS), and catalytic multi-stage (Cat_MS) hydrothermal liquefaction under subcritical water conditions. In the present invention, the single-stage process is conducted at approximately 320 °C for 60 min. In comparison, the multi-stage process comprises sequential heating stages at approximately 180 °C, 280 °C, and 350 °C, with corresponding retention times of about 15, 25, and 20 minutes, respectively. Magnetite (Fe₃O₄) catalyst is incorporated at 5 wt% relative to the dry feedstock mass in the Cat_MS process to facilitate simultaneous co-liquefaction and in-situ catalytic upgrading within a single reactor system. At first, fecal sludge and rice husk are co-processed at a feedstock ratio of approximately 1:1 and a solids concentration of about 15%. The staged heating profile promotes progressive biomass conversion, including hydrolysis and depolymerization at lower temperatures, followed by liquefaction and upgrading-related reactions at elevated temperatures. The process produces biocrude, aqueous phase, gaseous products, and biochar. The Cat_MS process increases the combined biocrude yield up to 47.3%, compared to 43.3% for MS and 39.5% for SS conditions. The Cat_MS process produces biocrude with higher heating values (HHV) of approximately 33.5-34.2 MJ/kg, indicating improved overall fuel characteristics. FTIR analysis indicates reduced O-H and C=O functional groups with enhanced C-H stretching intensity, suggesting dehydration and hydrodeoxygenation-related reactions during catalytic co-HTL. TGA indicates redistribution toward middle-distillate-rich biocrude, with the first extraction biocrude containing approximately 25.9% diesel-range and 18.5% jet-fuel-range fractions, while the second extraction biocrude exhibits approximately 19.7% diesel-range and 22.2% jet-fuel-range fractions suitable for transport fuel applications. The process is also associated with reduced levels of oxygen and sulfur-containing compounds compared to SS and MS conditions, indicating partial in-situ upgradation of the biocrude during the Cat_MS co-HTL process.

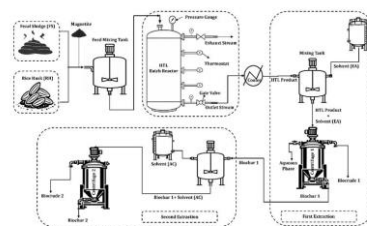
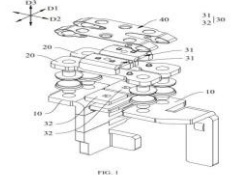


Figure 1



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-280 (22) Filed: 29/07/2026	
(23) Priority Data: China, Number :202521609928, Date : 30-07-2025.	
(71) Applicant: Xiamen Hongfa Electric Power Controls Co., Ltd. of No. 93 Yinong Road, Haicang District, Xiamen, Fujian 361027, Nationality -China	
(72) Inventors: (0) Xiamen Hongfa Electric Power Controls Co., Ltd. of No. 93 Yinong Road, Haicang District, Xiamen, Fujian 361027, China Nationality -China	
(74) Agent : A.B.M. Sohailud Doulah, IP Attorney, House No. 153/2, Road No. 2/2, Block A, Section 12, Mirpur , 1216, Dhaka, Bangladesh	
(51) INT. CL. : H01H 50/54	
(54) Invention Title: RELAY AND ELECTRIC METER	
(57) Abstract The present disclosure relates to the technical field of electronic control devices, in particular to a relay and an electric meter. The relay includes a stationary contact member, movable contact members and anti-short circuit structures; the number of the movable contact member is at least two, the movable contact members are arranged along the width direction, and the movable contact member is capable of being in contact with or separated from the stationary contact member; the anti-short circuit structures are equal in number to the movable contact members and in one-to-one correspondence with the movable contact members; the anti-short circuit structures is capable of forming a magnetic circuit based on a magnetic field generated by a current flowing through the movable contact members and/or the stationary contact member when the movable contact members are in contact with the stationary contact member; any two adjacent anti-short circuit structures form one group of anti-short circuit structures, in at least one group of the anti-short circuit structures, at least one anti-short circuit structure has a first sub-portion and a second sub-portion, the first sub-portion is connected to the second sub-portion, the first sub-portion is located between two adjacent movable contact members, and a thickness of the first sub-portion is less than a thickness of at least part of the second sub-portion. The short-circuit withstand capability can be improved in the case of limited internal space. (FIG. 1)	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-281 (22) Filed: 30/07/2026	
(23) Priority Data: N/A	
(71) Applicant: Daffodil International University of Daffodil Smart City, Birulia, Savar, Dhaka, 1216, Bangladesh	
(72) Inventors: (1) DR. MD. ZAHURUL HAQUE of Faculty of Graduate Studies, Daffodil International University, Daffodil Smart City, Birulia, Savar, Dhaka, 1216, Bangladesh, (2) MUNIR IBN MAHIN of Faculty of Graduate Studies, Daffodil International University, Daffodil Smart City, Birulia, Savar, Dhaka, 1216, Bangladesh	
(74) Agent : Faculty of Graduate Studies , Daffodil Smart City, Birulia, Savar, Dhaka-1216, Bangladesh, 1216, Dhaka, Bangladesh	
(51) INT. CL. : C01B 25/32	
(54) Invention Title: A Process for the Production of Carbonated Nano-Hydroxyapatite (C-nHAp) from Fish Scale Waste Using Carbonation-Assisted Thermal Shock Calcination	
(57) Abstract The present invention relates to a process for producing carbonated nano-hydroxyapatite (C-nHAp) from fish-scale waste through sequential pretreatment, defatting, alkali deproteinization, carbonation, aging, thermal-shock calcination, and size reduction. Fish scales are cleaned, dried, defatted with n-hexane, deproteinized using 0.5% NaOH, carbonated with 1.0 M sodium bicarbonate, aged for 24 hours, and calcined at 800°C through three thermal-shock cycles before grinding into a nanostructured powder. The process yields 34.55% CHA with 99.01% ash, negligible moisture, and no detectable protein or fat. FTIR, XRD, WD-XRF, and SEM analyses confirm the formation of crystalline carbonated nano-hydroxyapatite with nanoscale particles (36.4–83.9 nm). The combined carbonation and repeated thermal-shock treatment distinguish the process from conventional methods, providing an efficient waste-valorization approach for producing a high-value calcium-phosphate biomaterial from fish-processing waste. Reaction involved: $\begin{array}{ccc} \text{Raw Fish Scale} & \xrightarrow[\text{Deproteinization}]{\text{Defatting}} & \text{Biological Hydroxyapatite} \\ & & \text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2 \\ \\ \text{Biological Hydroxyapatite} & \xrightarrow[\text{HCO}_3^- \rightarrow \text{CO}_3^{2-} + \text{H}^+]{\text{NaHCO}_3 \rightarrow \text{Na}^+ + \text{HCO}_3^-} & \text{Carbonated Hydroxyapatite} \\ \text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2 & & \text{Ca}_{10}(\text{PO}_4)_6(\text{CO}_3)_4(\text{OH})_2 \end{array}$	

Raw Fish Scale
(Collagen + Biological Hydroxyapatite + Lipids)
1. Scale Isolation (or Removal)
2. Cleaning
(Washing of Scale)
3. Alkali Treatment
(Removal of Collagen)
(0.5% NaOH, 100°C, 4 h)
4. Biological Hydroxyapatite
Ca₁₀(PO₄)₆(OH)₂
Carbonate Substitution: 1.0 M NaHCO₃, 100°C, 24 h
Ca₁₀(PO₄)₆(OH)₂
(Carbonated Hydroxyapatite)
5. Aging (24 h)
6. Crystal Growth
7. Thermal Shock Calcination
(800°C, 3 cycles)
8. Nanoporous Carbonated Hydroxyapatite
9. Grinding
10. Carbonated Nano-Hydroxyapatite (C-nHAp) Powder
Figure 1: Schematic illustrating the sequential process for producing carbonated nano-hydroxyapatite (C-nHAp) from fish scale waste.



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-282 (22) Filed: 30/07/2026	
(23) Priority Data: China, Number :2025216355430, Date : 01-08-2025.	
(71) Applicant: Xiamen Hongfa Electric Power Controls Co., Ltd. of No. 93 Yinong Road, Haicang District, Xiamen, Fujian 361027, Nationality -China	
(72) Inventors: (0) Xiamen Hongfa Electric Power Controls Co., Ltd. of No. 93 Yinong Road, Haicang District, Xiamen, Fujian 361027, China Nationality -China	
(74) Agent : A.B.M. Sohailud Doulah, IP Attorney, House No. 153/2, Road No. 2/2, Block A, Section 12, Mirpur, , 1216, Dhaka, Bangladesh	
(51) INT. CL. : H01H 50/54	
(54) Invention Title: RELAY	
(57) Abstract The application discloses a relay. The relay includes a contact assembly and a disconnect assembly. The contact assembly includes a stationary contact member and a movable member, and at least one conductive path can be formed after the movable member comes into contact with the stationary contact member. The disconnect assembly includes an actuator, an impact member, and a connecting member having an inner cavity. At least a portion of the impact member is located within the inner cavity. The actuator is configured to apply a driving force to the impact member in response to an actuation signal. A releasable connection structure is arranged between an inner wall surface of the inner cavity and an outer peripheral side surface of the impact member. The releasable connection structure is configured to release the impact member when the driving force reaches a threshold value, so that the impact member impacts the movable member to disconnect at least one of the at least one conductive path. (FIG. 2)	



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পেটেন্ট, শিল্প-নকশা ও ট্রেডমার্কস অধিদপ্তর
শিল্প মন্ত্রণালয়
৯১, মতিঝিল বা/এ, ঢাকা-১০০০
www.dpdt.gov.bd

Publication of Filed Patent Application
Publication No: 36 & Date: 16 August 2026

(11) Patent registration No and date , (21) Appl. No. BD-P-2026-283 (22) Filed: 30/07/2026	
(23) Priority Data: China, Number :2025110795060, Date : 01-08-2025.	
(71) Applicant: Xiamen Hongfa Electric Power Controls Co., Ltd. of No. 93 Yinong Road, Haicang District, Xiamen, Fujian 361027, Nationality -China	
(72) Inventors: (0) Xiamen Hongfa Electric Power Controls Co., Ltd. of No. 93 Yinong Road, Haicang District, Xiamen, Fujian 361027, China Nationality -China	
(74) Agent : A.B.M. Sohailud Doulah, IP Attorney, House No. 153/2, Road No. 2/2, Block A, Section 12, Mirpur, , 1216, Dhaka, Bangladesh	
(51) INT. CL. : H01H 47/00	
(54) Invention Title: RELAY	
(57) Abstract The present application discloses a relay. The relay includes a contact cavity body, a contact assembly, a disconnect assembly, and a retaining member. The contact cavity body includes a yoke plate. The contact assembly includes a stationary contact member and a movable member. The movable member includes a movable contact member and a push rod member. The movable contact member is mounted on the push rod member, and the push rod member is movable relative to the yoke plate to drive the movable contact member to move such that the movable contact member comes into contact with or separates from the stationary contact member. The movable contact member and the stationary contact member can form at least one conductive path after the movable contact member comes into contact with the stationary contact member. The disconnect assembly includes an impact object, the disconnect assembly is configured to release the impact object in response to the actuation signal, to cause the impact object to impact the movable member to disconnect at least one of the at least one conductive path. A retaining member is connected to one of the yoke plate and the push rod member, and the retaining member is configured to, after the disconnect assembly disconnects at least one of the at least one conductive path, be capable of cooperating with the other of the yoke plate and the push rod member to retain the push rod member in a predetermined position. (FIG. 2)	

