

**Applied Patents**

Sl.No	Application No	Title of Invention	Inventor (s)
1	201831009528	A portable optical fiber instrument for instant petrol purity detection	Partha Pratim Sahu
2	201831009592	Designed 2d graphitic sheet for viscous oil removal using magnet	Pritam Deb and Meenakshi Talukdar
3	201831009678	Integrated and automated set up for preparation and vending of panipuri	Saurav Jyoti Sarma, Abhijit Nath, Polas Pratim Dutta and Chanddeep Suman Gogoi
4	201831010002	Toxin-epitope based detection of species-specific snake envenomation	Asish Kumar Mukherjee and Sumita Dutta
5	201831010001	Synthetic anticoagulant peptides derived from <i>Naja naja</i> snake venom	Asish Kumar Mukherjee and Sumita Dutta
6	201831009091	A smokeless multifunctional and multipot solid fuel stove	Biswajit Gogoi and Debendra Chandra Baruah
7	201731009379	Magnetic secondary nanostructure as contrast agent for Magnetic resonance imaging	Pritam Deb and Kausik Saikia
8	201731000104	Selective para-hydroxylation of substituted aromatic hydrocarbons using H <sub>2</sub> O <sub>2</sub> catalyzed by waterborne hyperbranched polyurethane/carbon quantum dot nanocomposite”	Niranjan Karak, Vijay Kumar Das and Satyabrat Gogoi
9	201631022922	Smartphone based system for detection and measurement of chemical and biological species in liquids	Iftak Hussain, Syed Ibtisam Tauhidi, Kamal Uddin Ahamad Pabitra Nath
10	201631016888	A Two Way Ratchet	Arup Jyoti Chutia
11	201631016889	Intelligent Helmet System	Ratul Kumar Baruah, Amit Kumar, Saurav Dutta and Surajit Paul
12	201631010727	Novel Soil Conditioners	Sanjay Pratihar, Satya Sundar Bhattacharya, Pallabi Das and Kasturi Sarmah
13	201631005351	Casein Nanoparticles for Colon Targeted Controlled Delivery of Biologically Active Agents in Foods	Pallab Kumar Borah and Raj Kumar Duary
14	201631006546	Microwave mediated processing of turmeric	Brijesh Srivastava, Baby Z. Hmar and Dipsikha Kalita
15	1313/KOL/2015	Anticoagulant actives and synergistic anticoagulant composition and method of producing the same	Ashish Kumar Mukherjee and Debananda Gogoi
16	211/KOL/2014	A Synthetic hyperbranched epoxy surgical sealant and a process for preparation thereof.	Niranjan Karak, Saswat Barua and P. Chattapadhyaya
17	1296/KOL/2014	Nanocatalyst for bio oil production	Pritam Deb and Kasmiri Deka
18	1295/KOL/2014	Mesoporous secondary nanostructures as multifunctional heavy metal scavenger	Pritam Deb, Kakoli Bhattacharya and Devaborniny Parasar
19	786/KOL/2013	A tough synthetic low dielectric hyperbranched epoxy thermoset and a process of preparation thereof.	Niranjan Karak and Bibekananda De

20	1742/DEL/2013	Multifunctional nanoparticles, methods of synthesis thereof, and methods of biomedical uses thereof.	Pritam Deb and Madhulekha Gogoi
21	637/KOL/2011	Eco friendly dry chilli spray from Bhot Jalakia of Assam	Mihir Kanti Chaudhuri, Charu Lata Mahanta and D Kalita
22	401/KOL/2011	Insulin mimetic active comprising oxodiperoxo vanadates and a pharmaceutical composition obtained thereof.	Mihir Kanti Choudhury, Sahid Hussain, Saitanya Bharadwaj, Upasana Bora Sinha, Dhrubajyoti Talukdar, Abul Usmai, Subeer Suhash Majumdar, Susmita Bhattacharya, Suman Dasgupta, Rakesh Kundu, Samir Bhattacharya and Shelley Bhattacharya.
23	20/KOL/2011	Digital Occupancy Meter for Commercial Passenger Vehicles	Pradyumna Kr. Choudhury
24	988/KOL/2010	Enhanced fixed-bed limestone defluoridation of groundwater using a solid acid to get potable water.	Robin K. Dutta and Suresh Kr. Nath
25	675/KOL/2010	A single step process for making polyaniline nanofiber reinforced polymer nanocomposite based transparent, antistatic and UV-protective coatings by in-situ rapid mixing polymerization.	Ashok Kumar and Somik Banerjee
26	1460/KOL/2010	Vehicle on board alignment detection and correction system (For Mac Pherson and Double Wishbone type)	Santanu Sarma, Barnalee Sarma, Riku Chutia and Partha Pratim Dutta
27	508/KOL/2009	Arsenic removal from water using NaHCO <sub>3</sub> or KHCO <sub>3</sub> or plant ash or their mixtures	Robin Kumar Dutta, Shreemoyee Bordoloi and Suresh Kumar Nath
28	1294/KOL/2009	Development of thiophene linked azomethine based polymer for photovoltaic application	Binod Pokhrel and Swapon Kumar Dolui
29	1293/KOL/2009	Graphite filled polyaniline and its suitability in electrode	Surajit Konwer and Swapon Kumar Dolui
30	1146/KOL/2009	Polythiophene based light emitting diode with improved luminescence characteristics and polythiophene based chemical sensor for detecting heavy metal ions, acids.	Jatindranath Maiti and Swapon Kr. Dolui.
31	522/KOL/2008	A Reduced Size Linearly Tapered 3dB (Half Power Splitter) Multimode Interference (MMI) Coupler	Partha Pratim Sahu