

Applied Patents			
Sl.No	Application No	Title of Invention	Inventor (s)
1	201731009379	Magnetic secondary nanostructure as contrast agent for Magnetic resonance imaging	Pritam Deb and Kausik Saikia
2	201731000104	Selective para-hydroxylation of substituted aromatic hydrocarbons using H ₂ O ₂ catalyzed by waterborne hyperbranched polyurethane/carbon quantum dot nanocomposite”	Niranjan Karak, Vijay Kumar Das and Satyabrat Gogoi
3	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
4	201631016888	A Two Way Ratchet	Arup Jyoti Chutia
5	201631016889	Intelligent Helmet System	Ratul Kumar Baruah, Amit Kumar, Saurav Dutta and Surajit Paul
6	201631010727	Novel Soil Conditioners	Sanjay Pratihar, Satya Sundar Bhattacharya, Pallabi Das and Kasturi Sarmah
7	201631005351	Casein Nanoparticles for Colon Targeted Controlled Delivery of Biologically Active Agents in Foods	Pallab Kumar Borah and Raj Kumar Duary
8	201631006546	Microwave mediated processing of turmeric	Brijesh Srivastava, Baby Z. Hmar and Dipsikha Kalita
9	1313/KOL/2015	Anticoagulant actives and synergistic anticoagulant composition and method of producing the same	Ashish Kumar Mukherjee and Debananda Gogoi
10	211/KOL/2014	A Synthetic hyperbranched epoxy surgical sealant and a process for preparation thereof.	Niranjan Karak, Saswat Barua and P. Chattapadhyaya
11	1296/KOL/2014	Nanocatalyst for bio oil production	Pritam Deb and Kasmiri Deka
12	1295/KOL/2014	Mesoporous secondary nanostructures as multifunctional heavy metal scavenger	Pritam Deb, Kakoli Bhattacharya and Devaborniny Parasar
13	786/KOL/2013	A tough synthetic low dielectric hyperbranched epoxy thermoset and a process of preparation thereof.	Niranjan Karak and Bibekananda De
14	1742/DEL/2013	Multifunctional nanoparticles, methods of synthesis thereof, and methods of biomedical uses thereof.	Pritam Deb and Madhulekha Gogoi
15	637/KOL/2011	Eco friendly dry chilli spray from Bhot Jalakia of Assam	Mihir Kanti Chaudhuri, Charu Lata Mahanta and D Kalita
16	430/DEL/2011	A process for preparing carbon nanotubes for non-biodegradable polypropylene and polytetrahepente	Ravi Bihari Srivastava, Sanjoy Kumar Samdarshi and Samrat Paul.

17	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.
18	20/KOL/2011	Digital Occupany Meter for Commercial Passenger Vehicles	Pradyumna Kr. Choudhury
19	168/KOL/2011	A highly efficient defluoridation method by in-situ generation of an efficient precipitant and strong adsorbents of fluoride in crushed limestone fixed –bed column and plug flow reactors.	Robin K. Dutta and Suresh Kr. Nath
20	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
21	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
22	296/DEI/2010	Amla lemon based ready to serve drinks (enriched with polyphenols)	Poonam Mishra
23	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
24	1001/DEI/2010	Development of Amla Chips	Poonam Mishra, Vandana Mishra and G.K.Rai
25	704/KOL/2010	Arsenic removal from groundwater by oxidation – coagulation at controlled pH for domestic and community applications.	Robin K. Dutta, Shreemoyee Bordoloi and Suresh Kr. Nath
26	508/KOL/2009	Arsenic removal from water using NaHCO ₃ or KHCO ₃ or plant ash or their mixtures	Robin Kumar Dutta, Shreemoyee Bordoloi and Suresh Kumar Nath
27	1294/KOL/2009	Development of thiophene linked azomethine based polymer for photovoltaic application	Binod Pokhrel and Swapon Kumar Dolui
28	1293/KOL/2009	Graphite filled polyaniline and its suitability in electrode	Surajit Konwer and Swapon Kumar Dolui
29	1147/KOL/2009	Efficient method for emulsion polymerization of styrene monomer in super critical carbon dioxide using (trifluoromethyl) undecafluorocyclohexane stabilizer.	Isha R Kamrupi and Swapon Kr. 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	1021/KOL/2009	Tender coconut water beverage from coconuts from Assam	Mihir Kanti Chaudhuri, Charu Lata Mahanta and Alak Kumar Buragohain

32	522/KOL/2008	A Reduced Size Linearly Tapered 3dB (Half Power Splitter) Multimode Interference (MMI) Coupler	Partha Pratim Sahu
33	2132/KOL/2008	Iron removal from water using HCO_3^{3-} or CO_3^{2-} salts of K^+ or Na^+ retaining the pH within acceptable limit for drinking	Robin Kumar Dutta, Suresh Kumar Nath and Shreemoyee Bordoloi
34	1215/KOL/2008	Enhanced limestone defluoridation of fluoride contaminated water in the presence of citric acid and acetic acid	Robin Kumar Dutta and Suresh Kumar Nath
35	1909/CHE/2006	Catalysts and process for oxidation and deep desulphurization of transportation fuels	Mihir Kanti Chaudhuri, S. Hussain and V. Srihari Tadimalla