

Granted Patents

Foreign Patents

Sl.No	Patent No./Publication No.	Title of Invention	Inventor (s)
1	US6852859 B2 priority date is 16 Dec 2002, Date of publication : Feb 8, 2005	Economic and environmentally clean process for the preparation of the pyridinium salt of fluorotrioxo-chromate (VI), PFC, having the chemical formula $C_5H_5NH(CrO_3F)$, by direct reaction of stoichiometric amounts of hydrofluoric acid, chromium	U.Bora, Mihir Kanti Chaudhuri, S.K.Dehury, J.Nath.B.M.Choudary and M Lakshmi Kantam.
2	US7005548 B2 Priority date 16-Dec-2002, Date of publication : Feb 28, 2006	Process for preparing quaternary ammonium tribromides.	Mihir Kanti Chaudhuri , U.Bora, S. K.Dehury, D.Dey, S.S.Dhar, W.Kharmawphlang, B.M.Choudary and M.Lakshmi Kantam
3	US7282573 B2 Priority date 23 Dec 2002, Date of publication : Oct 16, 2007	Process for making metal acetylacetonates	Mihir Kanti Chaudhuri, S.K.Dehury, U.Bora, S.S.Dhar, B.M.Choudary and M.Lakshmi Kantam
4	US7575758 B2, Priority date 16 Sep 2005, Date of publication : Aug 18, 2009	Acaricidal compositions and methods of use thereof	Glenn F. King, Ashis K. Mukherjee. Stephen K. Wikel, Brianna Sollod McFarland
5	EP2173058 B1, priority date: Oct 1, 2008, Date of publication: Feb 29, 2012	Context free and context sensitive XML digital signatures for SOAP messages	Azzedine Benameur, Smriti Kumar Sinha, Paul El Khoury
6	US8245045 B2, priority date: Oct 1, 2008, Date of Publication: Aug 14, 2012	Computer-implemented methods, systems and computer program products for generating and verifying signatures	Azzedine Benameur, Smriti Kumar Sinha, Paul El Khoury
7	US8495744 B2, priority date: Mar 25, 2009, Date of publication : Jul 23, 2013	Evaluation of risk of conflict for security solutions integration	Paul El Khoury, Azzedine Benameur, Smriti Kumar Sinha,

Indian Patents

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1	203816, date of filing is 30-Aug-2000, Date of Grant: 09-Mar-2007	An indicator system	Manabendra Bhuyan.
2	205278, date of filing : 19-Jan-2000, Date of Grant: 30-Mar-2007	A process for the preparation of the isolable and storage stable tetrabutylammonium tribromide(TBATB) from tetrabutylammonium bromide(TBATB)	Bora Upasana, Mihir Kanti Chaudhuri, AbuTaleb Khan, Bhisma Kumar Patel
3	216876, date of filing is 23-Jan-2001, Date of Grant: 19-Mar-2008	Microwave tea dryer	Manabendra Bhuyan & Amarjyoti Choudhury
4	231094, date of filing : 31-Mar-2003, Date of Grant : 2-Mar-2009	A process for preparing quaternary ammonium tribromides (QATB).	Mihir Kanti Chaudhuri,Upasana Bora,Sanjay Kumar Dehury,Deppa Dey,Siddhartha Sankar Dhar,Wancydora Kharmawphlang,Boyapati Manoranjan Choudary,Mannepalli Lakshmi Kantam
5	232740, date of filing : 21-Mar-2003, Date of Grant : 20-Mar-2009	A process for preparing pyridinium fluorochromate (VI)	Mihir Kanti Chaudhuri,Sanjay Kumar Dehury,Upasana Bora,Mannepalli Lakshmi Kantam,Boyapati Manoranjan Choudary,Jayashree Nath.
6	268130, date of filing : 19 November,2010, Date of Grant: 18- August-2015	A process for depositing hard, hydrophobic, mechanically, thermally and chemically stable polymer films on bell metal.	Joyanti Chutia, Dinkar Sopan Patil, Arup Jyoti Choudhury, Arup Ratan Pal

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7	280737, date of certificate issue: 27/02/2017	Arsenic removal from groundwater by oxidation – coagulation at controlled pH for domestic and community applications.	Robin K. Dutta, Shreemoyee Bordoloi and Suresh Kr. Nath
8	289204, date of certificate issue:03/11/2017	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
9	297449, date of certificate issue:06/06/2018	Single step process for the synthesis of polyaniline nanofiber reinforced polymer nano composites	Ashok Kumar and Somik Banerjee
10	312661, date of certificate issue: 13/05/2019	A tough synthetic low dielectric hyperbranched epoxy thermoset and a process of preparation thereof.	Niranjan Karak and Bibekananda De
11	325837, date of certificate issue: 26/11/2019	Digital Occupancy Meter for Commercial Passenger Vehicles	Pradyumna Kr. Choudhury
12	343590, date of certificate issue: 7/08/2020.	Novel Soil Conditioners	Sanjay Pratihari, Satya Sundar Bhattacharya, Pallabi Das and Kasturi Sarmah
13	345356, date of certificate issue: 28/08/2020	A synthetic hyperbranched epoxy surgical sealant and a process for preparation thereof	Niranjan Karak, Saswat Barua and P. Chattapadhyaya
14	351940, date of certificate issue: 23/11/2020	Multifunctional nanoparticles and methods for synthesis thereof	Pritam Deb and Madhulekha Gogoi
15	357468, date of certificate issue: 01/02/2021	System for measuring and correction of alignment parameters camber and toe of wheel of a vehicle	Santanu Sarma, Barnalee Sarma, RikuChutia and Partha Pratim Dutta
16	362974, date of certificate issue: 24/03/2021	Intelligent Helmet System	Ratul Kumar Baruah, Amit Kumar, Saurav Dutta and Surajit Paul

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17	365565, date of certificate issue: 28/04/2021	Nanocatalyst for bio oil production	Pritam Deb and Kasmiri Deka
18	366731, date of certificate issue: 21/05/2021	A process for manufacture of turmeric powder from raw turmeric rhizomes	Brijesh Srivastava, Baby Z. Hmar and Dipsikha Kalita
19	370787, date of certificate issue: 30/06/2021	Mesoporous secondary nanostructures as multifunctional heavy metal scavenger	Pritam Deb, Kakoli Bhattacharya and Devaborniny Parasar
20	401265, date of certificate issue: 13/07/2022	A Two-Way Ratchet	Arup Jyoti Chutia
21	403352, date of certificate issue: 10/08/2022	A portable optical fiber instrument for instant petrol purity detection	Partha Pratim Sahu
22	404139, date of certificate issue: 23/08/2022	Designed 2d graphitic sheet for viscous oil removal using magnet	Pritam Deb and Meenakshi Talukdar
23	422972, date of certificate issue: 23/02/2023	Selective para-hydroxylation of substituted aromatic hydrocarbons using H ₂ O ₂ catalyzed by waterborne hyperbranched polyurethane/ carbon quantum dot nanocomposites	Niranjan Karak, Vijay Kumar Das and Satyabrat Gogoi
24	426864, date of certificate issue: 27-03-2023	Removal of arsenic from ground water by capsule technique.	Chiranjeev Bezbaruah, Parag Nath and Robin Kumar Dutta
25	427825, date of certificate issue: 30-03-2023	Anticoagulant actives and synergistic anticoagulant composition and method of producing the same	Ashish Kumar Mukherjee and Debananda Gogoi
26	434517, date of certificate issue: 14-06-2023	Two dimensional heterostructure based composite films for food packaging	Pritam Deb and Meenakshi Talukdar

27	444178, date of certificate issue: 10-08-2023	Multifunctional Multiple Pot Solid Fuelled Stove with Combustion Air Preheating and Flue Gas Heat Extraction	Biswajit Gogoi and Debendra Chandra Baruah
28	460428, date of certificate issue: 18-10-2023	Magnetic secondary nanostructure as contrastagent for magnetic resonance imaging	Pritam Deb and Koushik Saikia
29	515646, date of certificate issue: 27-02-2024	Smartphone Based System For Detection And Measurement Of Chemical And Biological Species In Liquids	Iftak Hussain, Syed Ibtisam Tauhidi, Kamal Uddin Ahamad PabitraNath