

## 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

Sl.No	Patent No. and Date of Grant	Title of Invention	Inventor (s)
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 <sub>2</sub> O <sub>2</sub> 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, Pabitra Nath
30	524691, date of certificate issue: 13-03-2024	An EMG based Prosthetic Hand Controller for Real Time Grasping realizing Neuromuscular Constraint	Nayan M. Kakoty, Lakhyajit Gohain
31	478941, date of certificate issue: 08-12-2023	A Saddle System For Female Bicycles Adapted To Counter Forward Slip Of Rider On Saddle Surface During Sudden Braking	Dilip Dutta, ArpeetaSaikia, Zahnupriya Kalita and Sudipta Saikia
32	535873, date of certificate issue: 29-04-2024	System for enhancing stability of bicycle by steering-back handlebar automatically	Dilip Dutta, SudiptaSaikia, Zahnupriya Kalita and Arpeeta Saikia
33	523469, date of certificate issue: 11-03-2024	Methods and apparatus of multi-modal microscopic imaging on a smartphone and OLED display illumination	Pabitra Nath and Diganta Rabha
34	535873, date of certificate issue: 29-04.2024	System for enhancing stability of bicycle by steering-back handlebar automatically	Dilip Dutta, Sudipta Saikia, Zahnupriya Kalita and Arpeeta Saikia