

Granted Patents

Sl.No	Patent No	Invention	Inventor
1	US8495744 B2,23/12/2013	Evaluation of risk of conflict for security solutions integration	Paul El Khoury, Azzedine Benameur, Smriti Kumar Sinha,
2	EP2173058B1, 29/2/2012	Context free and context sensitive XML digital signatures for SOAP messages	Azzedine Benameur, Smriti Kumar Sinha, Paul El Khoury
3	US8245045 B2,14/12/2012	Computer-implemented methods, systems and computer program products for generating and verifying signatures	Azzedine Benameur, Smriti Kumar Sinha, Paul El Khoury
4	US7 575758B2, 18/08/2009	Acaricidal compositins and methods of use thereof	Glenn F. King, Ashis K. Mukherjee. Stephen K. Wikel, Brianna Sollod McFarland
5	USP 7282573 B2,16/10/2007	Process for making metal acetylacetonates	Mihir Kanti Chaudhuri, S.K.Dehury,U.Bora,S.S.Dhar,B.M.Choudary and M.Lakshmi Kantam
6	205278,30/03/2007	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
7	USP 7005548, 28/02/ 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
8	231094, 09/03/2007	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
9	EP1572652 B1,1/10/2008	Process for preparing pyridinium fluorochromate (vi)	U.Bora, Mihir Kanti Chaudhuri, S.K.Dehury, J.Nath.B.M.Choudary and M Lakshmi Kantam.
10	232740, 24/03/2009	A process for preparing pyridinium fluorochromate (VI)	Mihir Kanti Chaudhuri,Sanjay Kumar Dehury,Upasana Bora,Mannepalli Lakshmi Kantam,Boyapati Manoranjan Choudary,Jayashree Nath.
11	216876, 12/03/2008	Microwave tea dryer	Manabendra Bhuyan & AmarjyotiChoudhury.
12	203816, 09/03/2007	An indicator system	Manabendra Bhuyan.

Applied Patents			
Sl.No	Application No	Invention	Inventor
1	786/KOL/2013	Synthetic low dielectric, extremely high adhesive strength and high gloss fast cured tough hyperbranched epoxy thermoset	Niranjan Karak and Bibekananda De
2	1742/DEL/2013	Multifunctional nanoparticles, methods of synthesis thereof, and methods of biomedical uses thereof.	Pritam Deb & Madhulekha Gogoi
3	637/KOL/2011	Eco friendly dry chilli spray from Bhot Jalakia of Assam	Mihir Kanti Chaudhuri, Charu Lata Mahanta, D Kalita
4	430/DEL/2011	A process for preparing carbon nanotubes for non-biodegradable polypropylene and polytetraethylene	Ravi Bihari Srivastava, Sanjoy Kumar Samdarshi, Samrat Paul.
5	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, Dhruvajyoti Talukdar, Abul Usmai, Subeer Suhash Majumdar, Susmita Bhattacharya, Suman Dasgupta, Rakesh Kundu, Samir Bhattacharya, Shelley Bhattacharya.
6	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.	R.K.Dutta and S.K.Nath
7	20/KOL/2011	Digital Occupancy Meter for Commercial Passenger Vehicles	Pradyumna Kr. Choudhury
8	1460/KOL/2010	Vehicle on board alignment detection and correction system (For Mac Pherson and Double Wishbone type)	Santanu Sarma, Barnalee Sarma, Riku Chutia, Partha Pratim Dutta
9	1417/KOL/2010	Silver nano particles immobilized β -keratinase composite as topical antibacterial and dehairing agent	A.K.Mukherjee, Sangeeta Hatibaruah, Sudhir K. Rai and Jeetendra K. Roy
10	1416/KOL/2010	Organic fertilizer from degradation of raw chicken-feather by iron-oxide magnetic nano particle (MNP) bound β -keratinase	A.K.Mukherjee
11	1313/KOL/2010	Radio frequency plasma polymerization for surface protection of bell metal substrate	Joyanti Chutia, Dinkar Sopan Patil, Arup Jyoti Choudhury and Arup Ratan Pal

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Sl.No	Application No	Invention	Inventor
12	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
13	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
14	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
15	296/Del/2010	Amla lemon based ready to serve drinks (enriched with polyphenols)	Poonam Mishra
16	265/KOL/2010	Biosurf	Bolin Kumar Konwar and Naba Kr. Bordoloi
17	264/KOL/2010	Bioremcons	Bolin Kumar Konwar and Naba Kr. Bordoloi
18	1001/Del/2010	Development of Amla Chips	Poonam Mishra, Vandana Mishra, G.K.Rai
19	1294/KOL/2009	Development of thiophene linked azomethine based polymer for photovoltaic application	Binod Pokhrel and Swapon Kumar Dolui
20	1293/KOL/2009	Graphite filled polyaniline and its suitability in electrode	Surajit Konwer and Swapon Kumar Dolui
21	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
22	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.
23	1021/KOL/2009	Tender coconut water beverage from coconuts from Assam	Mihir Kanti Chaudhuri, Charu Lata Mahanta and Alak Kumar Buragohain

24	1011/KOL/2009	Catalytic process for extraction of Bromide from sea water	Mihir Kanti Chaudhuri S.k.Bharadwaj,N.Chandrol,S.Hussain
25	508/KOL/2009	Arsenic removal from water using NaHCO ₃ or KHCO ₃ or plant ash or their mixtures	Robin Kumar Dutta,Shreemoyee Bordoloi,Suresh Kumar Nath
26	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,Shreemoyee Bordoloi
27	1215/KOL/2008	Enhanced limestone deflouridation of fluoride contaminated water in the presence of citric acid and acetic acid	Robin Kumar Dutta,Suresh Kumar Nath
28	522/KOL/2008	A Reduced Size Linearly Tapered 3dB (Half Power Splitter) Multimode Interference (MMI) Coupler	Partha Pratim Sahu
29	1909/CHE/2006	Catalysts and process for oxidation and deep desulfurization of transportation fuels	Mihir Kanti Chaudhuri, S. Hussain,V.Srihari Tadimalla

Inventions under process in TUIPR Cell

Sl.No	Month of receipt of application in the TUIPR Cell Office	Invention	Inventor/s
1	April, 2012	A computer based method for micro structural investigation from x-ray diffraction pattern analysis	Pritam Deb& Madhulekha Gogoi
2	April, 2012	Method of Kinetic Analysis of solid state processes from nonothermal calorimetry	Pritam Deb & Madhulekha Gogoi
3	March, 2012	Synthetic non-cyanoacrylate and non-fibrin based hyperbranched epoxy surgical sealant/adhesive	Niranjan Karak, Saswat Barua and P. Chattapadhyia
4	March, 2012	Development of novel fabrication method for acetylcholinestrse biosensor using polypyrrole as the support matrix	Panchanan Puzari and Rekha Rani Dutta
5	March, 2012	Nanopolysil	B.K.Konwar, Pinkee Phukan and Jyoti Prasad Saikia
6	March, 2012	Etlingnethol	B.K.Konwar, and D Chowdhury
7	March, 2012	Anhoxsynilin	B.K.Konwar, and Jyoti Prasad Saikia