

2010**GRANTED PATENTS**

Description	Patent No.	Country
Four channel waveguide rotary joint for high power application	242223(19.08.2010)	India
A device and method for making mechanically active parabolic microwave antenna	241032(16.06.2010)	India
A cathode for an aqueous secondary cell	240393(07.05.2010)	India
A device for compensating the effect of temperature variation on brightness of light emitting diodes	235617(09.07.2009)	India
A system and method for secured data communication in computer networks by Phantom Connectivity	230732 (27.02.2009) 138647 (30.11.2009)	India / Singapore
A control circuit for diode based RF circuits	229296 (16.2.2009) 1652020 (13.2.2008) 7538612 (26.05.2009)	India / Europe /USA
A single aperture multimode tracking cum communication feed system	230737(27.02.2009)	India
A process for the synthesis of silazane-imide-epoxy resins	228944(13.2.2009)	India
A composite propellant containing active copper oxide and a process for preparing the same	226107(10.12.2008)	India
A detonator Assembly	224638(21.10.2008)	India
A method and a system for a multi channel current monitoring	220157(16.05.2008)	India
A vulcanizable rubber based insulator composites	217063(24.3.2008)	India
Process for production of active ferric oxide catalyst for composite solid propellants	217041(24.3.2008)	India
Method and system for pulsed signal strength measurement in RF signals	217004(24.3.2008)	India
A process for producing siloxane polymers having atomic oxygen resistance and articles coating therewith	216622(17.03.2008)	India
A process for the synthesis of silazane-imide-epoxy resins	216620(17.3.2008)	India

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Description	Patent No.	Country
An apparatus for experimental mechanics applications	216641(17.03.2008)	India
An ultrasonic liquid level sensors	213968 (23.01.2008)	India
A process for producing alloy steel of high tensile strength	214419(12.2.2008)	India
Design and fabrication of film casting machine and process for producing polyimide films	214017(23.01.2008)	India
A high frequency slipping with embedded bearing for radars	213925(23.01.2008)	India
A process on 4,4 dihalo benzophenone monomers	213926(23.01.2008)	India
Low shock ball lock separation mechanism for separating upper stage and satellites from a space launch vehicle	213933(23.01.2008)	India
A process for producing polycarbosilane, a ceramic precursor from polysilanehydrocarbon	213967(23.01.2008)	India
Non destructive moisture sensor	213968(23.01.2008)	India
A portable device for automatic non - destructive testing of panels	212359(3.12.2007)	India
A silver graphite brush block and a method of producing the same	210655(8.10.2007)	India
Design and development of an electro mechanical safe arm device for ordnance systems	210266(25.9.2007)	India
A precision slip ring used for tracking radars and instruments and a method of making the same	210246(25.9.2007)	India
A process for producing acrylic copolymers with pendent phenol functions.	210232(25.9.2007)	India
A breach mechanism for conducting simulating tests for bird hit on aircraft	210199(25.9.2007)	India
A process and a device for producing magnesium lithium alloy	210179(25.9.2007)	India
A process for preparing alpha crystalline ferric oxide	210164(21.9.2007)	India

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Description	Patent No.	Country
A curable silicon rubber composition for making vibration isolators	210132(21.9.2007)	India
A process for producing thermosetting adhesives from acrylic copolymers having pendant phenolic groups	210136(21.9.2007)	India
A method of manufacturing a substrate of aluminium or its alloy with an anodized conducting surface	210250(25.9.2007)	India
A process for the synthesis of boron and silicon containing preceramic oligomers	208583(2.8.2007)	India
A deployable solar sail assembly for satellites and a method of making it	207705(20.6.2007)	India
A fast architecture of differential encoding scheme for QPSK based data handling telemetry system	207522(14.6.2007)	India
A method and an apparatus for manufacturing thin webbed solid propellant grains for propellant motors	207452(13.6.2007)	India
A high density Hybrid integrated circuit package having a Flip-con structure and a method of manufacturing the same	207442(13.6.2007)	India
A waveguide rotary joint	207455(13.6.2007)	India
A process for the synthesis of hydroxyl terminated glycidylazide polymer	207299(4.6.2007)	India
Shape memory alloy stepping motor	206763 (11.5.2007) 982164 (03.02.2004)	India / USA
A process for the synthesis of crosslinked polysilohydrocarbons	206762(11.5.2007)	India
A process for synthesis of high molecular weight acrylic copolymers with pendant epoxy groups	206787(11.5.2007)	India
A curable coating composition containing hydroxy polysiloxane and a process for preparing the same	206804(11.5.2007)	India
A process for the preparing addition curable phenolic resin	206786(11.5.2007)	India
A process of producing tack-free non-melting acrylic film adhesive	206788(11.5.2007)	India
A room temperature curable flame retardant composition	206764(11.5.2007)	India

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Description	Patent No.	Country
A process for synthesis of polyarylene ether ketone resins	206778(11.5.2007)	India
An opto-electronic apparatus for static and dynamic measurements	206292(23.4.2007)	India
A refractable cum variable height container	206295(23.4.2007)	India
ISROFLEX heaters	204476(9.4.2007)	India
Linear electro mechanical actuator	205710(9.4.2007)	India
A process safe detonator	205207(22.3.2007)	India
An integral diaphragm absolute pressure transducer	204437(14.3.2007)	India
A method for noise reduction in data acquisition systems	204289(13.2.2007)	India
A low density curable coating composition and a process for preparing the same	204527(22.2.2007)	India
A passive device for improving stability of jet flame	202158(28.12.2006)	India
A new method for processing spaceborne sliding spotlight SAR signal for extended azimuth coverage	201926(27.11.2006)	India
A waveguide transducer for efficient excitation of circular waveguide	198098(30.1.2006)	India
Hard anodising of aluminum alloys containing impurities of iron bearing intermetallics	196377(5.1.2006)	India
A process for the preparation of High Performance HTPB Propellant with Active Copper Oxide (ACO) as ballistic modifier	194529(19.12.2005)	India
Anodising inorganic colouring on aluminium alloy	193881(6.12.2005)	India
A pressure controlled water evaporative refrigeration system	191409(31.5.2004)	India
A multichannel automated static load testing machine	191228 (31.05.2004)	India
An improved colour reversal process for producing colour prints	189927(17.6.2003)	India

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Description	Patent No.	Country
Single component flushing system	189912(13.6.2003)	India
Improved universal testing machine	184705(12.4.2001)	India
Improved impact testing machine for measuring dynamic fracture toughness of engineering materials	184386(30.4.2001)	India
An improved process for providing dielectric substrates with multilayer antireflector coatings thereon & dielectric substrates coated thereby	184129(8.1.2001)	India
L/S UHF Antenna	182067 (8.3.1999) 5572227 (5.11.1996) SE0715368B (8.7.1999) E715 369 B1 (28.7. 1999) GB0715369B (5.4.2000) DE69419761 (5.4.2000) FR0715369B (5.4.2000)	India /USA / Sweden/Europe /UK / Germany / France
Mechatronic hydraulic valve	182069(30.8.1999)	India
A process of integral black anodizing on magnesium alloys	179637(7.8.1998)	India
A process of black chromate coating on Magnesium Aluminium alloys	180666(28.7.1998)	India
Multiband compact feed system for small ground station antennas operating with INSAT	179299(19.6.1998)	India
A process of galvanic black anodising on magnesium-lithium alloy substrates	179671(19.2.1998)	India
An improved process of gold plating on substrates of magnesium alloy	179456(2.1.1998)	India
An improved process of electroslag refining or casting with inoculation	178085(24.10.1997)	India
A Process for production of multilayer, multi-composition solid propellant grain for performance of efficient power plant	176648(27.1.1997)	India
A process for black alloy nickel plating on stainless steel	173833(6.6.1995)	India
A novel process for the production of high purity precipitated silica from rice husk ash	174078(31.3.1995)	India
An improved process of anodising titanium alloys	173110(12.10.1994)	India

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Description	Patent No.	Country
A process for preparing a novel fire extinguishing powder (OLFEX)	172692(7.10.1994)	India
A process for preparing a propellant grain	172236(6.9.1993)	India
Development for deposit gold on aluminium	171728(4.3.1993)	India
An inexpensive electropolishing device for non-destructive metallography	169934(01.1.1993)	India
A process of gold plating of titanium alloys	177292(17.10.1992)	India
Process for producing a coated substrate made of materials such as metals, dielectric or semiconductor, coated with diamond like carbon	171172(28.7.1992)	India
Process for producing a rear surface black chrome coated dielectric substrate having improved optical and durability properties	171053(9.7.1992)	India
A process for chromate coatings on magnesium lithium alloys	170666(28.5.1992)	India
Gold plating on magnesium lithium alloys	170548(4.5.1992)	India
Improvements in or relating to antireflection coating	170292(23.3.1992)	India
Improvements in or relating to vacuum coating of front surface silver coating on glass, metal and dielectric substrates and vice-versa	168744(17.7.1991)	India
Improvements in or relating to front or rear surface silver reflectors and a process for making the same	167910(28.1.1991)	India
An inexpensive electropolishing device for non-destructive metallography	170640(24.12.1990)	India
Improvements in or relating to vacuum/electrolytic coating metals on metallic or dielectric substrate	166955(4.10.1990)	India
Domestic electric shock protector	167460(21.9.1990)	India
Improvements in or relating to vacuum coating of metals on dielectric substrates	165240(15.9.1989)	India
Titanium substrate lead dioxide anodes	164470(8.9.1989)	India

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Description	Patent No.	Country
An electro optic instrument to measure agronomical parameter	163017(9.9.1988)	India
Production of rigid polyurethane foam	153437(20.9.1985)	India
Continous reinforced plastics machine	153872(20.12.1984)	India
Drum Scanner Imager	16232(30.7.1984)	India
Process for production of polyhydroxy ester resins	149900(2.8.1982)	India
Microfische camera	156712(19.7.1982)	India
Dual densitometer	156711(15.7.1982)	India
Light pointer	156709(16.6.1982)	India
An improved process for production of polyols based on 12 hydroxy recinoleic acid	149126(31.12.1981)	India
Fire extinguishing combination (Dry powder)	147483(22.5.1980)	India
Production of Polyols containing basic nitrogen	4161482(17.7.1979)	India
Process for the production of polyols based on 12 hydroxy stearic acid	143864(11.5.1979)	India
Production of hydrocarbons from vegetables oils	143962(12.4.1978) 1524781(18.12.1978) 4102938(25.7.1978)	India / UK / USA
Improvements in silicon based putties	141877(13.1.1978)	India
Production of polyester based polyols	1524781(8.12.1978)	UK
Production of polyols containing basic nitrogen	146818 (23.8.1980) 1572913 (18.12.1978) 4161482 (17.7.1979)	India / UK / USA
Synthesis of new analogues of bisphenol	140188 (15.10.1976)	India
A process for preparing new phenolic resins	137274(27.3.1976)	India

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