

PROSPECTIVE PATENTS FOR LICENSING

S.No	Patents / Technology which could not be transferred	Name of project /code	Patent application filed in India or Foreign countries	Patent No. / date of granting Patent I refers to Indian Patent
1	A Process For the Peparation Of Nanomaterial	CSIR, IN-HOUSE PROJECT OLP 0030		
2	An Apparatus Useful For Generation of A Gas Under Controlled Pressure	CSIR, IN-HOUSE PROJECT OLP 0030		I 199908 23/02/2007
3	A Process For Preparation Of Nanowires of Metal Oxides With Dopants In Lower Valence States	CSIR, IN-HOUSE PROJECT,MLP-0005		
4	A process for growing an organic electron injection layer to improve the efficiency of organic light emitting diodes	NWP25		
5	A Composition Useful For The Preparation Of An Improved Long Decay Luminescent Powder And A Process For The Preparation Of An Improved Long Decay Luminescent Powder Therefrom	DRDO PROJECT		I 215878
6	Novel lithium metal complexes as good emitting and electron injecting materials for organic light emitting diodes	NWP25		
7	A Process For Preparation Of Metal Oxides With Dopants In Lower Valence State By Combustion Synthesis Technique In Nanowire Form	CSIR, IN-HOUSE PROJECT,MLP-0005		
8	A Long Decay Luminescent Powder	DRDO PROJECT		I 225682 20/11/2008
9	An Improved Composition Useful For The Preparation Of Electroluminescent Powder And An Improved			I 192512

	Process For The Preparation Of Electroluminescent Powder	ISRO PROJECT		
10	Organic light emitting functional devices	NWP25	0780DEL2010	
11	An Apparatus Useful For The Preparation Of Uniform Films Of A Viscous Fluid	CSIR, IN-HOUSE PROJECT OLP 0030		I 192981 09/12/2005
12	A Process For The Fabrication Of Flat And Flexible Electroluminescent Panel Useful For Displays And Illumination And An Electroluminescent Panel Made Thereby	ISRO PROJECT		I 194312 03/02/2006
13	An Apparatus Useful For Measuring Particle Size Of A Powder Sample	CSIR, IN-HOUSE PROJECT OLP 0030		I 215480 Feb 27, 2008
14	An Improved Process For The Preparation Of Rare Earth Oxysulfide Phosphors	DRDO PROJECT		I 184746
15	An improved process for the preparation of photoreceptors useful for xeroradiography and photoreceptors made thereby			I 191288 24/05/2004
16	AN EQUIPMENT AND TECHNIQUE FOR OBTAINING SUN-SHIELDING & SELF CLEANING COATING ON WINDOW GLASS	GAP 020932	0262NF2006 Yet to file	
17	AN IMPROVED PROCESS FOR MAKING SEMICONDUCTOR SHALLOW JUNCTIONS USEFUL FOR THE MANUFACTURE OF MICROELECTRONIC DEVICES AND THE SEMICONDUCTOR SHALLOW JUNCTIONS MADE THEREBY	NPL-CEERI Collaborative CSIR, In-house project		I 192398 29/09/2005

18	AN IMPROVED PROCESS FOR THE PREPARATION OF THERMALLY STABLE DOPED POLYANILINE	Inhouse project OLP 004		I 193538 06/01/2006
19	NOVEL SOLGEL BASED ENZYME ELECTRODE USEFUL FOR ESTIMATION OF CHOLESTEROL IN AQUEOUS MEDIUM	DBT Sponsored Project BT/PR/1926/PID/2 4/74/2000 CLP003832	JP2004-563411 31-Oct-07	
20	A novel co-poly aromatic amines, process of preparation thereof and a composite there from	Grant-in-aid PROJECT (Reliance) CLP070232T	2646DEL2008	
21	A SENSITIVE, FAST RESPONSIVE THIN FILM ETHANOL SENSOR AND A PROCESS FOR THE PREPARATION OF A SENSITIVE, FAST RESPONSE THIN FILM ETHANOL SENSOR AND A PROCESS FOR THE PREPARATION OF A PRECURSOR SOLUTION FOR ETHANOL SENSOR			US 688152 19/4/2005
22	Simulated circuit layout for low voltage, low paper and high performance type II current conveyor			US 693165 16/8/2005
23	Method for determining the reflectance profile of materials	Indo-US Project		US 696343 8/11/2005
24	REUSABLE HEAT PACK, METHOD OF MANUFACTURE THEREOF, MIXTURE FOR USE IN A REUSABLE HEATPACK AND PROCESS FOR THE PREPARATION THEREOF			RO 119342B1 30/11/2005 AU 771018 24-Jun-04 NZ 518062 29-Mar-04 PL 199033 29-Aug-08 SK 287136 5-Nov-09 US 6537309 25-Mar-03
25	NUCLEIC ACID PRIMERS AND SEQUENCE FOR DETECTION OF NEISSERIA GONORRHOEAE	GAP070832 DBT sponsored Project DT/PR/7667/MED/ 14/1057/2006	1391DEL2009	

26	A PROCESS FOR THE PREPARATION OF LOW-DENSITY MULTICOMPONENT GRAPHITE	TLP-000332	0766DEL2010	
27	CONDUCTING POLYMER PAINTS AND COATING COMPOSITION FOR THE CORROSION PROTECTION OF IRON	NWP-12	0537DEL2010	
28	AN IMPROVED APPARATUS USEFUL FOR ULTRAPURIFICATION OF LIQUIDS BY SUB-BOIL DISTILLATION AND A PROCESS THEREFOR			I 187019
29	Indelible ink formulations for instantaneous skin marking	In-House	0361DEL2011	
30	Audio Visual Telephone Line Fault Detector	In-House	166NF2009	
31	New Indelible ink formulations for spontaneous marking	In-House	0362DEL2011	
32	A long duration optical memory devices based on glycerol doped deformed helix ferroelectric liquid crystal material and method for the development thereof	CSIR, IN-HOUSE PROJECT	625/DEL/2009	
33	LIGHT WEIGHT HIGH ELECTROMAGNETIC INTERFERENCE (EMI) SHIELDING MATERIAL BASED ON CARBON NANOTUBES REINFORCED POLYMER COMPOSITES	CNT: Synthesis and application in polymer composites (OLP070532)		Under Process (0018NF2011)

34	MIXED FLOW RELATIVE HUMIDITY GENERATOR	IN-HOUSE PROJECT, OLP 071132		
35	AN IMPROVED COLD DISCHARGE ION / ATOM BEAM SOURCE USEFUL FOR MICRO - MILLING AND MATERIAL MODIFICATION			I 244980 28/12/10
36	METHOD FOR DETECTION OF EARTHQUAKE PRECURSORS			I 244613 13/12/2010 MX 260922 01/10/2008
37	A PROCESS TO MAKE PHOTO LUMINESCENT NANOSTRUCTURE SILICON THIN FILMS	DST Sponsored [Plasma Assisted Deposition of Hydrogenated Amorphous Silicon Films at high rates at VHF frequencies (CW and pulsed, GAP 020532)]	USPA12/810920 28/06/201	
	DEVELOPMENT OF THICK FILM CERAMIC GAS SENSOR:LPG GAS SENSOR			LK 15884 7/7/2010
38	A PROCESS FOR THE PREPARATION OF A LOW CONTACT RESISTANCE CONTACT ON A HIGH TRANSITION TEMPERATURE SUPERCONDUCTORS	CSIR, IN-HOUSE PROJECT OLP 0034	US PA 12/842255 23/07/2010 0287DELNP2006	
39	A PROCESS FOR THE REMOVAL OF ARSENIC AND CHROMIUM FROM WATER	Biosensors and gas sensors/MLP00 04	BD PA 29/2011 06/02/2011	
40	Process for the preparation of high temperature superconducting bulk current leads with improved properties and superconducting bulk current leads made	CSIR, IN-HOUSE PROJECT OLP 0034		US 7722918 25/05/2010

	thereby			
41	A PHASED ARRAY ACOUSTIC ATMOSPHERIC PROFILING RADAR		1096DEL2003	
42	COPOLYMER OF BENZENE AND SUBSTITUTED BENZENE	In-house Project MLP 0004	03246DELNP2004	US 7,186,793 2007
43	A SINGLE STEP PROCESS FOR THE PREPARATION OF HIGH DENSITY CARBON-CARBON COMPOSITE MATERIAL	In House OLP-070532	0567DEL2005	
44	A PROCESS FOR MANUFACTURING NANO-STRUCTURED ZINC OXIDE TETRAPODS	OLP-0040		
45	COMPENSATED SULPHONATED POLYANILINE AND A PROCESS FOR THE PREPARATION THEREOF	Inhouse Project OLP 004		JP 3592991 03/09/2004
46	A PROCESS FOR THE PREPARATION OF SOLID PRECURSOR MATERIAL USEFUL FOR THE ELECTROCHROMIC COATINGS			GB2359304 4/21/04
47	An improved process for the production of high resistivity amorphous hydrogenated silicon films	In house [Amorphous silicon and thin film]		I 165530
48	A Process for the Preparation of Conducting Organic Ferrimagnet Composites	CSIR, IN-HOUSE PROJECT MLP 0004	USPA12/434753 04/05/2009 1362DEL2008	
49	A novel method for the joining of oxide-superconducting tube conductors with a superconducting joint	CSIR, IN-HOUSE PROJECT,MLP 0005	198/DEL/07	
50	A PROCESS FOR THE SELECTIVE GROWTH OF SINGLE-WALLED AND MULTI -WALLED CARBON NAN	CNT: Synthesis and application in polymer composites	2581DEL2006 US7955,663B2	7

		(OLP070532)		
51	AN IMPROVED PROCESS FOR PREPARATION OF HIGH COERCIVITY YITTRIUM - IRON GARNET THIN FILMS USEFUL FOR MAGNETIC AND MAGNETO OPTIC RECORDING			I 199570 8/9/2006
52	AN APPARATUS USEFUL FOR GENERATION OF A GAS UNDER CONTROLLED PRESSURE			I 199908 23/02/2007
53	CONDUCTING POLYMER MEMBRANE AND A PROCESS FOR THE PREPERATION OF THE SAME MEMBRANE	DBT Sponsored project on conducting polymers		DE 19914200 18/05/2006
54	FORMULATION FOR IRON CHELATION, A PROCESS FOR PREPARING THE FORMULATION AND A METHOD OF TREATING THALASSEMIA			CA 2191664 07/11/2006 ZW 137/96 30-Jan-98 US 5665392 9-Sep-97 KR 335793 24-Apr-02 JP 3253878 22-Nov-01
55	POLYMER COATED LONG DURATION OPTICAL MEMORY DEVICE AND A METHOD FOR THE DEVELOPMENT THEREOF			KR 0649054 16/11/2006
56	AN APPRATUS FOR MEASURING SIEVE DIMENSIONS AND A METHOD THEREFORE			I 197541 18/9/07
57	A PROCESS FOR THE PREPARATION OF SILICA GLASS			I 215136 Feb 21, 2008
58	A NOVEL METHOD OF FABRICATING IMPROVED STANDARD PLATINUM RESISTANCE THERMOMETERS AND IMPROVED STANDARD PLATINUM RESISTANCE THERMOMETERS MADE THEREBY	MLP-0002		I 215497 Feb 27, 2008
59	A DEVICE USEFUL FOR THE ENHANCEMENT OF			I 215718 March 3 2008

	RESOLUTION OF AN AUTOCOLLIMATOR AND AN AUTOCOLLIMATOR INCORPORATING THE DEVICE			
60	A NOVEL COMPOSITION USEFUL FOR REMOVING ORGANIC COATINGS FROM SOLID SURFACES AND A PROCESS FOR PREPARING THE SAID COMPOSITION			I 215794 March 3, 2008
61	AN IMPROVED PROCESS FOR THE PREPARATION OF THIN FILMS USEFUL FOR ELECTRONIC OPTICAL TRIBOLOGICAL APPLICATIONS			I 216815 March 4, 2008
62	Lactate biosensing strip	IN House		CA 2512281 30-Mar-10 CN ZL02830191.9 23-Jul-08 EP 1578985 31-Oct-07 US 7319018
63	ENZYME ELECTRODE AND PROCESS FOR PREPARATION THEREOF	CLP-003832		I 7267837 Sept 11, 2007
64	A process for the preparation of low-density multicomponent graphite composite bipolar plates		0766DEL2010	
65	A COMPACT ECG MONITORING DEVICE WITH A FILTER FOR IMPULSE AND CHANNEL SWITCHING ADC NOISE AND ERROR CORRECTION FOR SEQUENTIAL SAMPLING OF ECG LEADS	In-house development.	PCT/IN2010/000134 March 9 2010 445/DEL/2009 March 9 2009	TW 99106719 09/03/2010- this is application number in Taiwan. The Patent/Publication Number is 201034624 Issued/Publication Date 01 october 2010
66	A Portable Ferrofluid based electric power	MLP-9006	1364DEL2008	

	generator		9June2008	
67	Ferrofluid based Temperature sensor	OLP-07032	0047DEL2009	
68	High efficiency, light weight flexible carbon based heaters	OLP- 070532 (in house)	0617DEL2009	
69	A PROCESS FOR PREPARATION OF WATER REPELLENT CHEMICAL USEFUL FOR MAKING WATER PROOF CELLULOSE BASED TEXTILE MATERIALS	In - house	1288DEL1999	
70	A SMART EYE FRO ELECTRONIC REMOTE DETECTION		0281DEL2002	
71	A PROCESS FOR ENCAPSULATION OF SUPERCONDUCTOR DEVICES			I 223616 18/9/08
72	Lead iron tungstate capacitive transducer, relaxor material therefor and method of manufacture of said relaxor material	Indo-US Project		US 7,354,565 May 21, 2008
73	A PROCESS FOR THE RECOVERY OF SILVER FROM WASTE HYPO SOLUTIONS AVAILABLE FROM PHOTOGRAPHIC INDUSTRIES		0245DEL1985	
74	IMPROVED PROCESS FOR MAKING TRANSPARENT ELECTRICALLY CONDUCTING PATTERNS ON GLASS SUBSTRATES FOR ELECTRO-OPTICAL DISPLAY DEVICES		0272DEL1985	
75	AN ELECTRONIC CAPACITIVE BALLAST FOR FLOURESCENT AND OTHER DISCHARGE LAMPS		0797DEL1989	
76	AN ELECTRONIC CAPACITIVE VOLTAGE REGULATOR		1046DEL1989	

77	A METHOD FOR PRODUCING CONDUCTING GRID USEFUL FOR SOLAR CELLS			I 184729
78	A DEVICE USEFUL FOR CONTROLLED FORMATION OF THIN FILMS OF A MATERIAL PARTICULARLY SEMICONDUCTOR MATERIAL ON A SUBSTRATE AND A PROCESS FOR THE PREPARATION OF THIN FILM OF A MATERIAL, PARTICULARLY COMPOUND SEMICONDUCTOR MATERIAL USING THE DEV		0824DEL1991	
79	AN IMPROVED PROCESS FOR CHEMPLATING FOR INHIBITION VERTICAL HETEROJUNCTIONS ALONG GRAIN BOUNDARIES OF SEMICONDUCTOR THIN FILMS IN THE FABRICATION OF THIN FILM SOLAR CELLS		0825DEL1991	
80	AN IMPROVED PROCESS FOR MAKING DEFECT FREE, BISTABLE AND HIGH CONTRAST SURFACE STABILIZED FERROELECTRIC LIQUID CRYSTAL DISPLAY DEVICE AND THE DEVICE MADE THEREBY	CSIR, IN-HOUSE PROJECT	0133DEL1992	
81	AN IMPROVED PROCESS FOR THE PREPARATION OF POLYCRYSTALLINE SILICON INGOT	Silicon and Silicon Solar Cell Activity		US 5431869 (July 11, 1995) I 182633 (Jan 12, 1999).
82	AN IMPROVED PROCESS FOR THE PREPARATION OF SEMICONDUCTING THIN FILMS USEFUL FOR FABRICATING SOLAR CELLS AND	In-house project		I 187420

	OTHER SEMICONDUCTING DEVICES			
83	AN IMPROVED DEVICE FOR ROTATING A DISK USING ULTRASONIC VIBRATIONS		0166DEL1994	
84	A DEVICE FOR AUTOMATIC TIME COMPARISON USING PASSIVE T.V. TECHNIQUE			I 189491
85	A DEVICE USEFUL AS AN IMPROVED MASK ALIGNER FOR AUTOMATIC ALIGNMENT OF MASK WITH WAFERS		0903DEL1994	
86	AN IMPROVED PROCESS FOR THE PREPARATION OF A POLYMER LAYER SUBSTRATE FOR STORING INFORMATION USEFUL FOR ALIGNING LIQUID CRYSTALS AND MAKING A PATTERNED LIQUID CRYSTAL DISPLAY THERE FROM	CSIR-In House Project	1687DEL1995	
87	A PROCES FOR THE PREPARATION OF IMPROVED FIBROUS ACTIVATED CARBON USEFUL FOR THE FILTRATION OF CARCINOGENIC VAPOURS IN TOBCCO BASED SMOKING DEVICES		1263DEL1997	
88	A DEVICE USEFUL FOR ACCURATE TIME SYNCHRONIZATION	OLP-STFS In House Project		I 222601
89	AN IMPROVED PROCESS FOR PREPARATION OF HIGH COERCIVITY YITTRIUM - IRON GARNET THIN FILMS USEFUL FOR MAGNETIC AND MAGNETO OPTIC RECORDING		3070DEL1998	
90	Process to deposit diamond like carbon	In house [Plasma		

	as protective coating on inner surface of a shaped object	Processed Materials, Devices & Systems] & CSIR Network [Technology for Assessment and Refurbishment of Engineering Materials and Components, CSIR Network Project: NWP0027		
91	A NOVEL APPARATUS USEFUL FOR SLIP GAUGE CALIBRATION AND A TECHNIQUE FOR SLIP GAUGE CALIBRATION THEREFROM			I 230766 27/02/2009
92	A DEVICE FOR MONITORING ION BEAM ETCHING PROCESS			I 230784 28/02/2009
93	A SMART EYE FRO ELECTRONIC REMOTE DETECTION			I 220338 23/05/2008
94	A PROCESS FOR ENCAPSULATION OF SUPERCONDUCTOR DEVICES			I 220338 18/09/2008
95	A Portable Humidity Generator and a process to generate relative Humidity therefrom	IN-HOUSE PROJECT OLP 070232		I 233222
96	A novel iron-poly(3-octylthiophene) (Fe-P3OT) nano-composite material and a process for the preparation thereof	In house [Plasma Processed Materials, Devices & Systems] & CSIR Network [Technology for Assessment and Refurbishment of Engineering		[[0168NF2004

		Materials and Components, CSIR Network Project: NWP0027]		
97	An Improved Process For Joining Of Oxide High Temperature Superconductor with Improved superconducting properties	CSIR, IN-HOUSE PROJECT, OLP 070532		88NF 2011
98	An Improved Process For The Preparation Of oxide Superconducting rods	CSIR, IN-HOUSE PROJECT,MLP-0005		0209DEL2008

PA= Patent Application