



LIST OF GRANTED PATENTS TILL DATE (06th Nov 2023)

S.No	Application Number	Title	Application Date	Patent Number	Granted Date
1	202341002030	WASTE DISPOSAL SYSTEM	10/01/2023	442540	02/08/2023
2	202241045736	AN ACTIVE BALANCING METHOD WITH BUILT-IN EQUALIZATION FOR SERIES-CONNECTED ULTRACAPACITORS	10/08/2022	442288	01/08/2023
3	201741041008	FRICTION WELDING OF TUBE TO TUBE USING A GUIDE TOOL	16/12/2017	433806	06/06/2023
4	201741039073	A NOVEL PCM BASED WINDOW FOR IMPROVING IAQ IN SPLIT AC BUILT SPACE	02/11/2017	431473	10/05/2023
5	202041030885	SHAPE COMPLIANT ROBOTIC GRIPPER AND METHOD THEREOF	20/07/2020	431069	04/05/2023
6	201741039045	SYSTEM AND METHOD FOR EFFICIENT ENERGY EXTRACTION FROM AN EXISTING SOLAR PV SYSTEM	02/11/2017	431024	03/05/2023
7	202241011401	LOGIC ENCRYPTION DECRYPTION SYSTEM FOR PROTECTING HARDWARE CIRCUITS AND METHOD THEREOF	03/03/2022	430767	01/05/2023
8	202241022910	DUAL-GENERATION MIMO ANTENNA WITH DB-BPF CHARACTERISTICS FOR 4G AND 5G BTS APPLICATIONS AND METHOD THEREOF	19/04/2022	429916	25/04/2023
9	202241050994	MEMBRANE FREE CYLINDRICAL CAPACITIVE DEIONIZATION(CDI) SYSTEM FOR THE BRACKISH WATER TREATMENT	07/09/2022	428656	11/04/2023
10	201741041006	ELECTRICAL CONDUCTIVITY ENHANCEMENT OF LOW CONDUCTIVITY FUELS BY NANO ADDITIVES	16/11/2017	428645	10/04/2023
11	202241050026	BIO-OIL FROM CASSIA FISTULA SEED PODS AND METHOD THEREOF	01/09/2022	428613	10/04/2023
12	1826/CHE/2014	SURFACE RENEWAL PHOTOBIOREACTOR	05/04/2014	427478	29/03/2023
13	202241046986	A PROCESS FOR HIGH-GRADE TRANSPORTATION FUEL PRODUCTION FROM NON-WOVEN FABRIC WASTE	18/08/2022	426387	23/03/2023
14	201741030634	A SYSTEM AND A METHOD FOR EXTRACTING MAXIMUM POWER IN THERMOELECTRIC GENERATORS	30/08/2017	425257	15/03/2023
15	202241031141	CAVITY BASED FREQUENCY SELECTIVE LINEAR-TO-CIRCULAR POLARIZING C-SANDWICH AIRBORNE RADOME FOR STRATEGIC APPLICATION	31/05/2022	419066	24/01/2023
16	202141059942	FORCED COOLING FRICTION STIR WELDING TOOL AND METHOD THEREOF	22/12/2021	418337	17/01/2023
17	201741000938	GAS SENSOR BASED ON NANOWIRES AND CARBON NANOTUBES HETEROSTRUCTURE	10/01/2017	417943	13/01/2023
18	201741042165	NOVEL REACTION CHAMBER FOR COLLECTION OF DECOMPOSITION RESIDUES OF	24/11/2017	417021	06/01/2023



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		PYROTECHNIC COMPOSITIONS AND METHOD THEREOF			
19	202041005420	THERMOMAGNETIC TEMPERATURE INDICATOR AND METHOD THEREOF	07/02/2020	416444	02/01/2023
20	202141023226	SHAPE GUIDED ROTARY ACTUATOR FOR GRIPPERS AND METHOD THEREOF	25/05/2021	416063	29/12/2022
21	2409/CHE/2012	SURGE SUPPORTER (AN ALTERNATIVE POWER SUPPLY SYSTEM FOR AN AUTOMOBILE)	18/06/2012	415975	29/12/2022
22	202041025422	CYLINDRICAL SUBSTRATE COATING APPARATUS AND METHOD THEREOF	17/06/2020	415556	27/12/2022
23	202241021753	COLD-FORMED STEEL-CONCRETE COMPOSITE BEAM WITH A PREFABRICATED SHEAR CONNECTOR AND METHOD THEREOF	12/04/2022	414619	15/12/2022
24	202141005994	A NOVEL FLUX COMPOSITION FOR STAINLESS-STEEL SMAW ELECTRODES WITH MILD STEEL CORE WIRE	12/02/2021	410768	02/11/2022
25	202141045150	ANTI-MANIPULATION COMBINATION LOCK DEVICE AND METHOD THEREOF	05/10/2021	410336	28/10/2022
26	202141042633	A PROCESS OF SYNTHESIS OF 5,5'-(FURAN-2,5-DIYL)BIS(THIOPHENE-5,2-DIYL)DIMETHANOL	21/09/2021	405546	01/09/2022
27	202041036386	IOT BASED SMART MULTI-FUNCTIONAL VENTILATOR SYSTEM AND METHOD THEREOF	24/08/2020	402746	01/08/2022
28	202141002355	A MULTI-DIRECTIONAL DISPLAY DEVICE TO ENABLE ACTIVE USER SCREEN TIME AND METHOD THEREOF	19/01/2021	400556	30/06/2022
29	202141013980	PORTABLE VIBRATING SHEEPSFOOT COMPACTOR AND METHOD THEREOF	29/03/2021	396927	17/05/2022
30	202041040239	SINGLE AXIS SOLAR TRACKING SYSTEM AND METHOD THEREOF	17/09/2020	394395	07/04/2022
31	202141026551	BIOGENIC PICKLING SOLUTION FOR MILD STEEL	15/06/2021	391300	07/03/2022
32	201941022285	REAL-TIME DIGITAL FAULT MONITORING SYSTEM FOR TRANSMISSION LINES IN AUTONOMOUS POWER GRIDS AND METHOD THEREOF	05/06/2019	388584	04/02/2022
33	201741041005	VARIABLE VOLUME MINI TANK TESTING EQUIPMENT AND METHOD OF AN AIRBAG CHEMICAL PERFORMANCE TEST	16/11/2017	384748	21/12/2021
34	201741042164	CARICA PAPAYA EXTRACT BASED CONDUCTIVITY ADDITIVE FOR HYDROCARBON FUELS AND METHOD THEREOF"	24/11/2017	383295	30/11/2021
35	3413/CHE/2014	A SYSTEM WITH MULTIPLE TRANSMISSION LOSS COEFFICIENTS FOR DYNAMIC ECONOMIC GENERATOR DISPATCH	10/07/2014	382380	23/11/2021
36	201641012033	A METHOD OF DIFFERENTIAL RELAY FOR POWER TRANSFORMER PROTECTION USING DSP PROCESSOR	05/04/2016	380676	28/10/2021
37	202141000717	SYNGAS FROM SEMECARPUS ANACARDIUM SHELLS AND METHOD THEREOF	07/01/2021	380314	27/10/2021
38	201741037531	BIODIESEL FROM AEGLE MARMELOS CORREA AND A METHOD THEREOF	24/10/2017	378291	29/09/2021



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39	201741041007	SYNTHESIS OF CARBON SUPPORTED CALCIUM METHOXIDE GREEN CATALYST FROM SENNA SIAMEA POD FOR BIODIESEL PRODUCTION	16/11/2017	376505	06/09/2021
40	201741039083	SMART LOAD NODE FOR NON-SMART LOAD	02/11/2017	370466	29/06/2021
41	201941050564	BIODIESEL FROM NON-EDIBLE SEMECARPUS ANACARDIUM SEED OIL AND METHOD THEREOF	07/12/2019	364821	16/04/2021
42	201941043080	A SOLID WASTE BARRIER LINER COMPOSITION FOR LANDFILL WITH CLAY AND MICROSILICA	23/10/2019	361492	16/03/2021
43	3192/CHE/2013	A PHOTOVOLTAIC SYSTEM AND A METHOD OF ARRANGING PV ARRAYS IN PV SYSTEM	17/07/2013	359780	26/02/2021
44	201741033366	METHOD FOR PREPARING IBUPROFEN CRYSTALS USING A GREEN SOLVENT	20/09/2017	354224	22/12/2020
45	5145/CHE/2014	A METHOD TO PREVENT SYNERGISTIC ACTION OF EROSION AND CORROSION IN STORM WATER CONTROLPUMPS	14/10/2014	340648	07/07/2020
46	201741038676	AIRBAG GAS GENERANTS COMPRISING LAYERED COPPER HYDROXY NITRATE NANOSHEETS	31/10/2017	340447	04/07/2020
47	1715/CHE/2010	AN ELECTRONIC CIRCUIT FOR SELF SENSING PIEZOELECTRIC ACTUATOR AND METHOD OF OPERATING THEREFOR	18/06/2010	327603	17/12/2019
48	1707/CHE/2010	"APPARATUS FOR SEPARATING PARTICLES USING PIEZOELECTRIC SENSOR AND ACTUATOR AND A METHOD THEREFOR"	18/06/2010	319119	27/08/2019
49	1713/CHE/2010	A PIEZOELECTRIC MOTOR AND A METHOD OF OPERATING THEREFOR	18/06/2010	299108	24/07/2018



LIST OF PUBLISHED PATENTS TILL DATE (06th Nov 2023)

S.No.	Application Number	Title	Application Date	Publication date
1	202241061002	A SYSTEM TO ASSESS PARTICULATE MATTER DEPOSITION IN A RESPIRATORY SYSTEM	26/10/2022	27/10/2023
2	202241054688	A SYSTEM FOR REGENERATING AIRFLOW THROUGH A TEMPERATURE-CONTROLLED STORAGE DEVICE	23/09/2022	20/10/2023
3	202241054686	WIND TOWER HAVING A SOLAR HEATING UNIT	23/09/2022	20/10/2023
4	202341009414	A DEVICE FOR MEASUREMENT OF BILIRUBIN CONCENTRATION IN NEONATES AND METHOD THEREOF	13/02/2023	13/10/2023
5	202241055780	A DEVICE FOR MEASURING SHRINKAGE STRESS IN SOIL AND A METHOD THEREOF	28/09/2022	13/10/2023
6	202341053143	A CUTTING TOOL WITH HARDFACED STELLITE	08/08/2023	13/10/2023
7	202341058811	AN IMPROVED METHOD FOR RECYCLING ELECTRONIC PLASTICS WASTE USING BI-METAL DOPED CATALYST	01/09/2023	22/09/2023
8	202341058684	A TESTING SYSTEM FOR PERFORMING VIBRO-ACOUSTIC ANALYSIS TESTING OF A TEST COMPONENT	01/09/2023	15/09/2023
9	202341036232	FLEXIBLE HEAT TRANSFER APPARATUS	25/05/2023	01/09/2023
10	202341025788	A PROCESS FOR THE PREPARATION OF ORGANIC PHASE CHANGE MATERIAL FROM THIN FILM PLASTIC WASTE	05/04/2023	26/05/2023
11	202341017368	ESIPT BASED FLUORESCENT TURN-ON PROBE FOR RAPID PHOSGENE DETECTION WITH STRIP BASED PRACTICAL APPLICATION	15/03/2023	12/05/2023
12	202341002030	WASTE DISPOSAL SYSTEM	10/01/2023	27/01/2023
13	202241067426	A DESIGN METHOD FOR A LIFE_ENHANCED SOLAR PHOTOVOLTAIC PANEL MOUNTED CONVERTER SYSTEM	23/11/2022	27/01/2023
14	202241050994	MEMBRANE FREE CYLINDRICAL CAPACITIVE DEIONIZATION(CDI) SYSTEM FOR THE BRACKISH WATER TREATMENT	07/09/2022	23/09/2022
15	202241050996	CONCENTRIC TRIPLE CHAMBERED MICROBIAL DESALINATION CELL	07/09/2022	23/09/2022
16	202241050026	BIO-OIL FROM CASSIA FISTULA SEED PODS AND METHOD THEREOF	01/09/2022	30/09/2022
17	202241046986	A PROCESS FOR HIGH-GRADE TRANSPORTATION FUEL PRODUCTION FROM NON-WOVEN FABRIC WASTE	18/08/2022	23/09/2022
18	202241045736	AN ACTIVE BALANCING METHOD WITH BUILT-IN EQUALIZATION FOR SERIES-CONNECTED ULTRACAPACITORS	10/08/2022	26/08/2022



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19	202241034294	NANO-ENHANCED PHASE CHANGE MATERIAL (NEPCM) FOR REVERSIBLE THERMOELECTRIC POWER GENERATION	15/06/2022	05/08/2022
20	202241031140	DUAL POLARIZER BASED ON SUBSTRATE INTEGRATED WAVEGUIDE CAVITY AND METHOD THEREOF	31/05/2022	24/06/2022
21	202241031141	CAVITY BASED FREQUENCY SELECTIVE LINEAR-TO-CIRCULAR POLARIZING C-SANDWICH AIRBORNE RADOME FOR STRATEGIC APPLICATION	31/05/2022	24/06/2022
22	202241022910	DUAL-GENERATION MIMO ANTENNA WITH DB-BPF CHARACTERISTICS FOR 4G AND 5G BTS APPLICATIONS AND METHOD THEREOF	19/04/2022	06/05/2022
23	202241021753	COLD-FORMED STEEL-CONCRETE COMPOSITE BEAM WITH A PREFABRICATED SHEAR CONNECTOR AND METHOD THEREOF	12/04/2022	29/04/2022
24	202241011401	LOGIC ENCRYPTION DECRYPTION SYSTEM FOR PROTECTING HARDWARE CIRCUITS AND METHOD THEREOF	03/03/2022	11/03/2022
25	202141059942	FORCED COOLING FRICTION STIR WELDING TOOL AND METHOD THEREOF	22/12/2021	31/12/2021
26	202141052237	SYSTEM AND METHOD FOR DESIGNING FREQUENCY SELECTIVE SURFACES BASED ON MULTI-CAVITY SUBSTRATE INTEGRATED WAVEGUIDE	15/11/2021	03/12/2021
27	202141045151	Grid Connected Solar Water Pumping Controller System and Method Thereof	05/10/2021	07/04/2023
28	202141042633	A PROCESS OF SYNTHESIS OF 5,5'-(FURAN-2,5-DIYL)BIS(THIOPHENE-5,2-DIYL)DIMETHANOL	21/09/2021	01/10/2021
29	202141039952	METHOD OF DESIGNING ON-CHIP DECOUPLING CAPACITORS BY SPARE CELL RECONFIGURATION FOR STANDARD CELL DESIGN	03/09/2021	28/10/2022
30	202141026551	BIOGENIC PICKLING SOLUTION FOR MILD STEEL	15/06/2021	02/07/2021
31	202141023226	SHAPE GUIDED ROTARY ACTUATOR FOR GRIPPERS AND METHOD THEREOF	25/05/2021	03/06/2022
32	202141017539	AUTOMATED PAVEMENT DISTRESS DETECTION DEVICE AND METHOD THEREOF	15/04/2021	22/04/2022
33	202141013980	PORTABLE VIBRATING SHEEPSFOOT COMPACTOR AND METHOD THEREOF	29/03/2021	01/10/2021
34	202141005994	A NOVEL FLUX COMPOSITION FOR STAINLESS-STEEL SMAW ELECTRODES WITH MILD STEEL CORE WIRE	12/02/2021	11/02/2022
35	202141002355	A MULTI-DIRECTIONAL DISPLAY DEVICE TO ENABLE ACTIVE USER SCREEN TIME AND METHOD THEREOF	19/01/2021	31/12/2021
36	202141000717	SYNGAS FROM SEMECARPUS ANACARDIUM SHELLS AND METHOD THEREOF	07/01/2021	15/01/2021



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37	202041049605	LASER GLAZED FUNCTIONALLY GRADED LANTHANUM MAGNESIUM HEXALUMINATE/YTTRIA-STABILIZED ZIRCONIA BASED THERMAL BARRIER COATING	13/11/2020	20/05/2022
38	202041040239	SINGLE AXIS SOLAR TRACKING SYSTEM AND METHOD THEREOF	17/09/2020	17/09/2021
39	202041036386	IOT BASED SMART MULTI-FUNCTIONAL VENTILATOR SYSTEM AND METHOD THEREOF	24/08/2020	27/08/2021
40	202041030885	SHAPE COMPLIANT ROBOTIC GRIPPER AND METHOD THEREOF	20/07/2020	10/09/2021
41	202041028529	SYSTEM FOR THERMAL RESPONSE ENHANCEMENT OF PHASE CHANGE MATERIALS OF ENERGY STORAGE AND METHOD THEREOF	04/07/2020	31/07/2020
42	202041025422	CYLINDRICAL SUBSTRATE COATING APPARATUS AND METHOD THEREOF	17/06/2020	08/10/2021
43	202041019653	IDENTIFICATION AND LOCALIZATION OF ARRAY FAULTS WITH OPTIMIZED PLACEMENT OF VOLTAGE SENSORS IN A PV SYSTEM	09/05/2020	12/11/2021
44	202041011873	A MOLD FOR CASTING PERVIOUS CONCRETE AND METHOD THEREOF	19/03/2020	08/05/2020
45	202041007125	A DATA SCHEDULING REGISTER TREE FOR RADIX-2 FFT ARCHITECTURE	19/02/2020	27/08/2021
46	202041006504	AN ELASTOPLASTIC DEFORMATION PROCESSING, TOOL AND METHOD THEREOF	14/02/2020	21/02/2020
47	202041005420	THERMOMAGNETIC TEMPERATURE INDICATOR AND METHOD THEREOF	07/02/2020	14/02/2020
48	201941050564	BIODIESEL FROM NON-EDIBLE SEMECARPUS ANACARDIUM SEED OIL AND METHOD THEREOF	07/12/2019	13/12/2019
49	201941043080	A SOLID WASTE BARRIER LINER COMPOSITION FOR LANDFILL WITH CLAY AND MICROSILICA	23/10/2019	01/11/2019
50	201941037604	METHOD FOR EXTRACTING THE I-V CURVE OF THE PHOTOVOLTAIC (PV) MODULE	18/09/2019	27/09/2019
51	201941022285	REAL-TIME DIGITAL FAULT MONITORING SYSTEM FOR TRANSMISSION LINES IN AUTONOMOUS POWER GRIDS AND METHOD THEREOF	05/06/2019	14/06/2019
52	201941021210	SOLAR REVERSE THERMOELECTRIC POWER GENERATION SYSTEM AND METHOD THEREOF	29/05/2019	07/06/2019
53	201941020952	A NATURAL FIBER PROCESSING TECHNIQUE FOR UNIFORM GSM FABRICS	27/05/2019	07/06/2019
54	201741041009	DOUBLE SHOULDER FRICTION STIR PROCESSING TOOL FOR COATING APPLICATIONS	16/05/2018	24/05/2019



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55	201841015328	WIRELESS VEHICLE MONITORING SYSTEM AND METHOD THEREOF	23/04/2018	04/05/2018
56	201841002213	METHOD FOR REMOVAL OF NILE BLUE DYE FROM WASTE WATER	19/01/2018	25/01/2019
57	201841000510	NATURAL FIBRE REINFORCED INDUSTRIAL SAFETY HELMET	05/01/2018	11/01/2019
58	201741041008	FRICTION WELDING OF TUBE TO TUBE USING A GUIDE TOOL	16/12/2017	21/12/2018
59	201741042164	CARICA PAPAYA EXTRACT BASED CONDUCTIVITY ADDITIVE FOR HYDROCARBON FUELS AND METHOD THEREOF"	24/11/2017	30/11/2018
60	201741042164	ELECTRICAL CONDUCTIVITY ENHANCEMENT OF LOW CONDUCTIVITY HYDROCARBON FUELS BY BIO-ADDITIVES	24/11/2017	30/11/2018
61	201741042165	NOVEL REACTION CHAMBER FOR COLLECTION OF DECOMPOSITION RESIDUES OF PYROTECHNIC COMPOSITIONS AND METHOD THEREOF	24/11/2017	30/11/2018
62	201741042166	INDUSTRIAL HELMET FOR WELDING FUME EXPULSION AND METHOD THEREOF	24/11/2017	30/11/2018
63	201741041005	VARIABLE VOLUME MINI TANK TESTING EQUIPMENT AND METHOD OF AN AIRBAG CHEMICAL PERFORMANCE TEST	16/11/2017	23/11/2018
64	201741041006	ELECTRICAL CONDUCTIVITY ENHANCEMENT OF LOW CONDUCTIVITY FUELS BY NANO ADDITIVES	16/11/2017	23/11/2018
65	201741041007	SYNTHESIS OF CARBON SUPPORTED CALCIUM METHOXIDE GREEN CATALYST FROM SENNA SIAMEA POD FOR BIODIESEL PRODUCTION	16/11/2017	23/11/2018
66	201741039083	SYSTEM AND METHOD FOR NODE FOR NON-SMART LOAD	02/11/2017	01/03/2019
67	201741039073	A NOVEL PCM BASED WINDOW FOR IMPROVING IAQ IN SPLIT AC BUILT SPACE	02/11/2017	11/01/2019
68	201741039055	DURABLE, COST-EFFECTIVE AND EFFICIENT MEMBRANE FOR HARVESTING DRINKING WATER FROM ATMOSPHERIC AIR AND METHODS THEREOF	02/11/2017	01/03/2019
69	201741039045	"SYSTEM AND METHOD FOR EFFICIENT ENERGY EXTRACTION FROM AN EXISTING SOLAR PV SYSTEM"	02/11/2017	01/03/2019
70	201741038676	AIRBAG GAS GENERANTS COMPRISING LAYERED COPPER HYDROXY NITRATE NANOSHEETS	31/10/2017	11/01/2019
71	201741038449	SELF SEALING TYPE FRICTION BRAZING/SOLDERING OF TUBE TO TUBE PLATE USING AN EXTERNAL TOOL	30/10/2017	11/01/2019
72	201741038399	LOW MULTIPLIER COMPLEXITY IN-PLACE HIGHER RADIX REAL-VALUED FFT ARCHITECTURES WITH MODIFIED PROCESSING ELEMENT.	30/10/2017	11/01/2019
73	201741038209	DROWNING DETECTION DEVICE	27/10/2017	22/03/2019
74	201741037531	BIODIESEL FROM AEGLE MARMELOS CORREA AND A METHOD THEREOF	24/10/2017	11/01/2019



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75	201741037531	PREPARATION OF BIOCATALYST FROM AEGLE MARMELLOS CORREA FRUT SHELL FOR BIO DIESEL PRODUCTION	24/10/2017	11/01/2019
76	201741033366	METHOD FOR PREPARING IBUPROFEN CRYSTALS USING A GREEN SOLVENT	20/09/2017	16/08/2019
77	201741030634	A SYSTEM AND A METHOD FOR EXTRACTING MAXIMUM POWER IN THERMOELECTRIC GENERATORS	30/08/2017	20/07/2018
78	201741022616	SMART BI-LATERAL PEDAL MODULE	28/06/2017	03/08/2018
79	201741001065	AN IMPROVED TRANSPARENT ELECTROTHERMAL DEVICE	11/01/2017	31/03/2017
80	201741000938	GAS SENSOR BASED ON NANOWIRES AND CARBON NANOTUBES HETEROSTRUCTURE	10/01/2017	31/03/2017
81	201641012033	A METHOD OF DIFFERENTIAL RELAY FOR POWER TRANSFORMER PROTECTION USING DSP PROCESSOR	05/04/2016	27/10/2017
82	5145/CHE/2014	A METHOD TO PREVENT SYNERGISTIC ACTION OF EROSION AND CORROSION IN STORM WATER CONTROL PUMPS	14/10/2014	31/10/2014
83	3413/CHE/2014	A SYSTEM WITH MULTIPLE TRANSMISSION LOSS COEFFICIENTS FOR DYNAMIC ECONOMIC GENERATOR DISPATCH	10/07/2014	08/08/2014
84	1826/CHE/2014	SURFACE RENEWAL PHOTOBIOREACTOR	05/04/2014	01/01/2016
85	3192/CHE/2013	A PHOTOVOLTAIC SYSTEM AND A METHOD OF ARRANGING PV ARRAYS IN PV SYSTEM	17/07/2013	10/01/2014
86	2409/CHE/2012	SURGE SUPPORTER (AN ALTERNATIVE POWER SUPPLY SYSTEM FOR AN AUTOMOBILE)	18/06/2012	20/12/2013
87	3073/CHE/2011	METHOD OF JOINING PLATES IN A LAP CONFIGURATION	07/09/2011	21/06/2013
88	1569/CHE/2011	CLAD-MODIFIED FIBER OPTIC AMMONIA GAS SENSOR WITH NANOCRYSTALLINE TITANIUM DIOXIDE AND CERIUM DOPED ZINC OXIDE	05/05/2011	16/11/2012
89	2646/CHE/2010	METHOD OF JOINING DISSIMILAR MATERIALS	09/09/2010	29/03/2013
90	1707/CHE/2010	"APPARATUS FOR SEPARATING PARTICLES USING PIEZOELECTRIC SENSOR AND ACTUATOR AND A METHOD THEREFOR"	18/06/2010	08/04/2016
91	1713/CHE/2010	A PIEZOELECTRIC MOTOR AND A METHOD OF OPERATING THEREFOR	18/06/2010	08/04/2016
92	1715/CHE/2010	AN ELECTRONIC CIRCUIT FOR SELF SENSING PIEZOELECTRIC ACTUATOR AND METHOD OF OPERATING THEREFOR	18/06/2010	13/07/2012



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YEAR OF PUBLICATION	PUBLISHED	GRANTED
2023	13	19
2022	16	13
2021	13	11
2020	04	03
2019	20	02
2018	11	01
2017	03	
2016	03	
2014	03	
2013	03	
2012	02	