

S.N.	Application No. Patent No.	Filing Date / Grant Date	Country	Title of Invention
1	482/MUM/2008	10-Mar-08	India	Screening of Natural candidates against Microbiologically influenced Corrosion
2	1620/MUM/2008	30-Jul-08	India	A Catalyst Composition for Transesterification of organically / naturally derived oils and fats to produce alkyl esters and process for preparing the same
3	53/MUM/2009	09-Jan-09	India	Process for the upgrading of liquid hydrocarbon fuels through addition of biocatalyst
4	1103/MUM/2009	24-Apr-09	India	Method for Bioremediation of highly aromatic hydrocarbon wastes
5	750/KOL/2010	08-Jul-10	India	A Process for the removal of metals from vegetable oils & animal fats
6	1309/KOL/2010	19-Nov-10	India	Integrated process for deep desulfurization of diesel with reduced hydrogen consumption
7	474/KOL/2011	04-Apr-11	India	Bio-augmentation composition and use thereof for improving efficiency of effluent treatment plant /hydrocarbon processing plant
8	2083/MUM/2012	19-Jul-12	India	Improved Microalgae Strains and use thereof
9	2502/MUM/2012	29-Nov-12	India	Mixotrophic Cultivation of Microalgae for the Production of Biofuel
10	2503/MUM/2012	29-Aug-12	India	Hydrotreating catalyst and process for preparing the same
11	2649/MUM/2012	12-Sep-12	India	Precursor for catalyst, process for preparing the same and use thereof
12	2070/MUM/2013	18-Jun-13	India	A Bio-assisted process for conversion of Carbon Dioxide to fuels and Hydrocarbons
13	2265/MUM/2013	04-Jul-13	India	Catalyst for Transesterification of vegetable oil to biodiesel
14	3417/MUM/2013	29-Oct-13	India	A Method of Preparing Fermentable Sugars from Biomass Resources
15	3691/MUM/2013	23-Nov-13	India	An Improved Delayed Coking Process
16	914/MUM/2014	20-Mar-14	India	Method for Preparing Hydrotreating Catalyst from Biomass
17	1456/MUM/2014	24-Apr-14	India	Method for producing readily Hydrolysable Polysaccharides from Lignocellulosic Biomass

18	2213/MUM/2014	08-Jul-14	India	Particle Size Distribution Control through Internal Donor in Ziegler Natta Catalyst
19	247/MUM/2015	24-Jan-15	India	Thraustochytrid based Process for Treating Waste Effluent
20	1467/MUM/2015	08-Apr-15	India	Bio-conversion of Refinery Waste Streams
21	2480/MUM/2015	29-Jun-15	India	Bio-assisted Process for Treatment and Regeneration of Spent caustic
22	4423/MUM/2015	25-Nov-15	India	Process for Modification of Cellulose for use in Polypropylene as Nucleating Agent
23	4573/MUM/2015	03-Dec-15	India	New Method on Floating Roof Tank Rim Seal Fire Detection and Fire Extinguishing System
24	4643/MUM/2015	09-Dec-15	India	Method of Pretreatment for enhanced Enzymatic Hydrolysis
25	4690/MUM/2015	14-Dec-15	India	A GC/GC-MS Based Method for the Estimation of Trace Level Conjugated Dienes in Gasoline Range Products
26	4707/MUM/2015	15-Dec-15	India	A Formulation for Fast Recovery of Microbial Population
27	4763/MUM/2015	18-Dec-15	India	Enzyme Composition and use thereof for Capture of Carbon Dioxide from Mixture of Gases
28	4764/MUM/2015	18-Dec-15	India	Process for Confined Bioremediation of Hydrocarbon Sludge
29	2016 21004477	08-Feb-16	India	A Formulation and Process for Biohydrogen Production
30	2016 21025611	27-Jul-16	India	Multistage Controlled Bio-Digestion Process for Production of usable energy from waste Biomass and Organic Materials
31	2017 21022573	28-Jun-17	India	Apparatus and Method for Converting Liquid Stream into Fine Droplets
32	2017 21024070	07-Jul-17	India	Device for Progressive Pressure Reduction of Flue Gas
33	2017 21026725	27-Jul-17	India	Corrosion Inhibitor Composition for Pipelines
34	2017 21035368	05-Oct-17	India	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
35	2017 21045043	14-Dec-17	India	Foam Extinguishing System for Cone Roof Tank
36	2018 21005003	09-Feb-18	India	Additive Composition Useful for Improved Production of Fermentable Sugars from Lignocellulose Biomass
37	2018 21006979	23-Feb-18	India	Improved Distribution of a Multi Phase Fluid Mixture
38	2018 21007391	27-Feb-18	India	A Catalyst Composition for Conversion of Alkanes to Alkenes and Method of Preparation Thereof
39	2018 21008490	08-Mar-18	India	Bio-Assisted Process for Conversion of Solar Energy to Fuels and Hydrocarbons
40	2018 21008982	12-Mar-18	India	Improved Method for Second Generation Ethanol Production from Lignocellulosic Biomass
41	2018 21009341	14-Mar-18	India	A formulation to Stabilize Ligno-Cellulolytic Enzyme
42	2018 21009599	15-Mar-18	India	Bio-Assisted Process for Conversion of Mixed Volatile Fatty Acids to Selective Drop-in-Fuels
43	2018 21022212	14-Jun-18	India	A Process for Production of Superior Quality Coke

44	2018 21024153	28-Jun-18	India	Process for Recovering Higher Sugar from Biomass
45	2018 41029023	02-Aug-18	India	An Optimized and Modular Horizontal Axis Hydrokinetic Energy System for Low Flow Speeds (Joint Patent IITM)
46	2018 21033799	07-Sep-18	India	A Process for Bio-sludge Reduction in Hydrocarbon Refinery Effluent Treatment Plant through Microbial Interventions
47	2018 21036496	27-Sep-18	India	Method for Preparation and Screening of Fungal Mutant with High Hydrolytic Activity and Catabolite Derepressed Character
48	2018 21034660	14-Sep-18	India	Method and System for Secure Authentication based Dispensing of Fuel from Fuel Dispensing Unit
49	2018 21034661	14-Sep-18	India	Cloud Based Platform for Remote Management of Fuel Dispenser Unit
50	2018 21034662	14-Sep-18	India	System and Method for Securing Access to Fuel Dispenser Unit
51	2018 21030075	10-Aug-18	India	A System and Method for Operation of Fuel Cell System with Variable Fuel Composition
52	2018 11041013	30-Oct-18	India	Bio-Pesticide Oil Formation
53	2018 21033743	07-Sep-18	India	Toilet Choke Detection System
54	2018 11035922	24-Sep-18	India	Automatic Electronic Leak Detection System for Detecting Body and Bung Leak of LPG Cylinder
55	2018 41028085	30-Oct-18	India	Safety and Security Management of Automated Transport of Fuel and Hazardous Chemicals by Tanker Trucks
56	2018 21044919	28-Nov-18	India	Provident Method of Cellulases Enzymes Production by Penicillium Funiculosum MRJ-16 Using Minimum Media Components
57	2018 21046925	12-Dec-18	India	Stainless Steel Double Containerized Tank with Aviation Refueling Module
58	2018 21048196	19-Dec-18	India	Method for Preparation of Fungal Mutant with High Hydrolytic Activity and Thereof (Joint Patent)
59	2019 21014794	12-Apr-19	India	Morphology Modified Hetrophase Propylene Copolymers and their products thereof
60	2019 21015449	17-Apr-19	India	Bio-Refinery Waste Utilization for Enzyme Production Using Novel Penicillium Funiculosum MRJ-16 Fungal Strain
61	2019 11014141	08-Apr-19	India	Apparatus for Flue Gas Treatment and Method to Operate the Same
62	2019 21019506	17-May-19	India	Dual Water Spray System for Petroleum Storage Tanks
63	2019 21022026	03-Jun-19	India	Inlet Diffuser for Fixed-Bed Hydroprocessing Reactors
64	2019 21023334	12-Jun-19	India	Thermal Cracking Furnace for Residue Feedstock
65	2019 21037470	17-Sep-19	India	A Method for Preparation of Bio-Inoculant for enhancing the Methane Production from Waste Organics and Biomass Slurries

66	2019 21038366	23-Sep-19	India	Process & Apparatus for Co-conversion of Waste Plastics in Delayed Coker Unit
67	2019 21045359	07-Nov-19	India	An Apparatus and a Method for Washing of Hydrocarbon Product Vapour
68	2019 21045807	11-Nov-19	India	A Process for Producing High Yields of Hydrogen and Light Olefins from Resid FCC
69	2019 21046169	13-Nov-19	India	A Method for Preparing Catalyst for Selective Hydrogenation of Diolefins
70	2019 11050001	04-Dec-19	India	A Membrane-less Reactor Design and Process for Biotransformation of Carbon dioxide (Joint Patent with VITO)
71	2019 22051122	10-Dec-19	India	Organometallic compounds in solid form, process for preparing the same and use thereof (Divisional Application to 2765/MUM/2012)
72	2019 11041236	11-Oct-19	India	An Automatic Wrapping Apparatus and a Method for Repairing Pipeline
73	2020 21000190	02-Jan-20	India	A Catalyst Composition for Oxidative Dehydrogenation of Alkane
74	2020 21000297	03-Jan-20	India	High Temperature Zinc Complex Grease
75	2020 21005527	07-Feb-20	India	Process for Production of MARPOL Compliant Bunker Fuel from Petroleum Residues
76	2020 21007171	19-Feb-20	India	A High Coordination Sulfated Mixed Metal Oxide catalyst for Hydrocarbon Isomerization
77	2020 21011666	18-Mar-20	India	Process for Removal of Sulfur and Other Impurities from LPG
78	2020 21007839	25-Feb-20	India	Self Propelled Surface Adhering Apparatus and Method
79	2020 11011767	18-Mar-20	India	Process And Machinery For Using Low Value Waste Plastic And Multi-Layer Packaging Into Pavement Block
80	2020 21012685	23-Mar-20	India	Water Disinfection System For Cooling Tower Water
81	2020 11013051	25-Mar-20	India	A Process to Enrich Stability and Life of Bryophytes
82	2020 11013052	25-Mar-20	India	An Oxygen Generator
83	2020 21000955	09-Jan-20	India	A system and control method for using multi-fuels in solid oxide fuel cells
84	2020 21008203	26-Feb-20	India	A system and method for rapid starting-up of solid oxide fuel cell with efficient closely integrated radiative heating
85	2020 21013533	27-Mar-20	India	System and method for use of hydrogen enriched natural gas (HCNG) fuel for power generation in solid oxide fuel cell
86	2020 21013532	27-Mar-20	India	Direct injection and mixing of steam into solid oxide fuel cell stack.
87	2020 21014436	31-Mar-20	India	A System For Recovery Of Refinery Off Gas/Flare Gas And A Method Thereof

88	2020 21008413	27-Feb-20	India	Fixed bed reactor with layered dimethyl ether synthesis catalyst
89	2020 21012292	21-Mar-20	India	Gasifier Design And Process For The Reduction In Tar Formation
90	2020 21014622	01-Apr-20	India	Manufacturing of Semiconductive Rubber Compound
91	2020 21015008	04-Apr-20	India	A Non-Invasive Portable System And Method Of Working Thereof
92	2020 21016290	15-Apr-20	India	Systems And Methods For Detecting Toxic Gases In An Environment
93	2020 21016688	17-Apr-20	India	Bio-assisted Treatment of Microbiologically Influenced Corrosion in Petroleum Transporting Pipelines
94	2020 21016640	17-Apr-20	India	Preparation of Aqueous Dispersion of CNT using Chemical Admixture and its Application in Cementitious Materials
95	2020 21016755	18-Apr-20	India	Process for Biogas Upgradation
96	2020 21017335	22-Apr-20	India	Method for measuring internal geometry of a pipeline
97	2020 21017698	24-Apr-20	India	A Device and Process for Converting Organic Waste to Biogas
98	2020 41018418	29-Apr-20	India	Graphene and Polymer Composite Based Supercapacitor
99	2020 21019850	11-May-20	India	Personal safety Hand tool for effectively managing Hold/Touch in pandemic Scenario
100	2020 21021946	26-May-20	India	A Method and a Device for Operating PEM Fuel Cell with CO Contaminated Hydrogen
101	2020 41025952	19-Jun-20	India	Propelled Robot for Inspection and Survey of Oil Transporting Pipelines
102	2020 21026558	23-Jun-20	India	Process for Producing Ultrahigh Molecular Weight Polymer in Powder Form
103	2020 21027916	01-Jul-20	India	NMR Method for Identification and Estimation of Components in Hand Sanitizers
104	2020 21028524	04-Jul-20	India	Quench-box Assembly for Hydroprocessing Reactors
105	2020 21028525	04-Jul-20	India	Dual Axis Solar Tracking System
106	2020 21028639	06-Jul-20	India	IBG-Booster to Improve Biogas Yield and Stabilize the Digester Performance
107	2020 21030289	16-Jul-20	India	Lubricant Composition for e-Axle Application
108	2020 21031322	22-Jul-20	India	Polymerization Catalyst System and Process to Produce Highly Reactive Polyisobutylene
109	2020 41031601	23-Jul-20	India	Methods and Systems to Improve Tank Truck Unloading Process
110	2020 21033561	05-Aug-20	India	Process for Production of Graphite Coke from an Admixture of Coal and Petroleum based Hydrocarbons
111	2020 21033994	07-Aug-20	India	Process for Xylitol Production from Xylose
112	2020 21036618	25-Aug-20	India	A Method to Valorize 2G Bioethanol Waste Stream
113	2020 21038027	03-Sep-20	India	Electro Catalyst Composition with Redox Buffer Metal Oxide for Bi-functional Air Electrode
114	2020 11038185	04-Sep-20	India	Sealing Bearing for Vacuum Motors
115	2020 21038395	05-Sep-20	India	Process for Production and Separation of Alcohols and Oligomerization of Hydrocarbon Feedstock

116	2020 21038559	07-Sep-20	India	Solvent Composition for CO2 Capture and a Process Mediated Thereof
117	2020 21038934	09-Sep-20	India	Process for Preparing a Hydrotreating Catalyst Composition for Producing Ultra Low Sulfur Diesel
118	2020 21040124	16-Sep-20	India	Fluidized Bed Dehydrogenation Process for Light Olefin Production
119	2020 21040369	17-Sep-20	India	An Integrated Oxidative Alkane Dehydrogenation and Hydrogen Generation Proces
120	2020 21040506	18-Sep-20	India	A Process for Production of Needle Coke
121	2020 21040819	21-Sep-20	India	Catalytic Pyrolysis of Polystyrene into Aromatic Rich Liquid Product using Spherical Catalyst
122	2020 21040820	21-Sep-20	India	Production of Multiple Grade De-Aromatized Solvents from Hydrocarbon Streams
123	2020 21040895	21-Sep-20	India	Multi Sensory External Reformer Tube Crawler
124	2020 21041033	22-Sep-20	India	An Antimicrobial Bio-formulation
125	2020 21041222	23-Sep-20	India	A Process for Molecular Separation of Hydrocarbons Using Nanopore Membranes
126	2020 21041728	25-Sep-20	India	Low Water based Bioprocessing and a Device for the Same
127	2020 21042080	28-Sep-20	India	Production of Linear Alpha Olefins
128	2020 21044755	14-Oct-20	India	Anti-viral Coating Formulation of Active Nano Ingredients for Personal Protective Equipment and Disinfectants
129	2020 21045274	17-Oct-20	India	PolyMET Plates with Enhanced Electrically Conductive Pathway and Lower Corrosion for Fuel Cell
130	2020 23044358	12-Oct-20	India	Improved Simultaneous Saccharification and Co-Fermentation (SSCF) Process for Second Generation Ethanol Production from Lignocellulosic Biomass and 2G Residual Biomass (Patent of Addition to Application No. 201821008982)
131	2020 21045526	19-Oct-20	India	Manufacturing of Semiconductive Rubber Compound
132	2020 21047108	28-Oct-20	India	Unielectrogrid Lead Acid Battery and Process of Making the Same and Performance Thereof
133	2020 11047182	29-Oct-20	India	Design & Development of FRP based In-Situ Repair System for Damages in Pipelines Operating at Elevated Temperature
134	2020 21048365	05-Nov-20	India	Process for Conversion of Middle Distillates
135	2020 21048860	09-Nov-20	India	A System for Heat Pipe Based Heat Exchanger
136	2020 21048865	09-Nov-20	India	System and Method for Controlling Acidity of a Scrubbing Solution in a Wet Scrubber
137	2020 21056404	24-Dec-20	India	Process of Preparation of High Crush Strength High Exchange Capacity Resin Acid Catalyst and Usage Thereof
138	2021 21004501	02-Feb-21	India	Process for Synthesis of Polyhydrocarbons as Heat Transfer Agents
139	2021 21009850	09-Mar-21	India	A Novel Enzymatic Phase Transfer Solvent for Co2/H2S Capture
140	2021 21010021	10-Mar-21	India	An Improved Process for Second Generation Lactic Acid Production
141	2021 41010558	12-Mar-21	India	Methods and System to Monitor Vehicles Visiting a Petrol Pump

142	2021 23010915	15-Mar-21	India	Method for Continuous Second Generation Ethanol Production in Simultaneous Saccharification and Co-fermentation (SSCF) Process (Patent of Addition to 2018 21008982)
143	2021 41011867	19-Mar-21	India	Methods and System to Determine Customer Inflow at a Service Station
144	2021 21013132	25-Mar-21	India	A Process for Enhancement of RON of FCC Gasoline with Simultaneous Reduction in Benzene
145	2021 21015797	02-Apr-21	India	Method and System for Smart Forward/Reverse Auctioning in Petroleum Products Trading
146	2021 21015771	02-Apr-21	India	An Additive for Preventing Fouling of Thermal Cracker Furnace
147	2021 21022400	19-May-21	India	Process for Isomerization of C5-C7 Hydrocarbons in Light Naphtha Range
148	2021 21022567	20-May-21	India	Hydrocarbon Dispersible Quantum Clusters (QC):Combustion Improver for Liquid and Gaseous Fuels
149	2021 21028471	24-Jun-21	India	Additive Composition for Enhanced Stability of Oxygenated Gasoline
150	2021 21029202	29-Jun-21	India	Pre-Treatment Process for Co-Processing Bio-Crude in a Delayed Coker Unit
151	2021 23031729	14-Jul-21	India	Process for Production of Cellulolytic Enzymes along with Citric Acid from Ligno-Cellulosic (Patent of Addition to 201821044919)
152	2021 21033679	27-Jul-21	India	A Process for Multistage Hydroprocessing in a Single Reactor
153	2021 21035419	05-Aug-21	India	A Process and Apparatus for Conversion of Waste Plastics Pyrolysis Oil into Valuable Products
154	2021 21042329	18-Sep-21	India	Bio Assisted Process for Selective Conversion of Alkane Rich Refinery Streams
155	2021 21043762	27-Sep-21	India	A Process for Preparation of a Catalyst for Polymerization of Olefins
156	2021 21044025	28-Sep-21	India	Method For Producing Anode Grade Coke From Crude Oils
157	2021 21044692	01-Oct-21	India	Integrated Process and Cu/Zn based Catalyst for Synthesizing Methanol Utilizing CO2 Generating Electricity from Hydrocarbon Feedstock
158	2021 21049725	29-Oct-21	India	System and Method for Efficient Heat Storage and Retention
159	2021 21050092	01-Nov-21	India	Method of Refinery Wastewater Treatment, a System and Uses Thereof
160	2021 21050334	02-Nov-21	India	A Process and Catalysts for the Production of Hydrogen by Reforming in Liquid Phase
161	2021 21050784	05-Nov-21	India	Energy Recovery from Petroleum Refinery Waste Activated Biosludge Rich in Hydrocarbon
162	2021 21051341	09-Nov-21	India	A Novel Quenching Oil Composition with Improved Performance
163	2021 21052370	15-Nov-21	India	An Improved Process for Production of Enriched Algal Biomass
164	2021 21053985	23-Nov-21	India	Process and Catalyst Composition for Producing Linear Alpha Olefins in High Yield by Ethylene Oligomerization
165	2021 21054253	24-Nov-21	India	Single stage HyRICH process for HCNG production at low temperature'
166	2021 21058693	16-Dec-21	India	Methods and Formulations for Enhancing High Value Lipids
167	2021 21059197	18-Dec-21	India	Production of Low Benzene Content De-Aromatized Distillates for Speciality Application

168	2022 21001568	11-Jan-22	India	Concentrated Solar Thermal System
169	2022 21003413	20-Jan-22	India	An Integrated Process for Converting Crude Oil to High Value Petrochemicals
170	2022 21004254	25-Jan-22	India	A Pressure Vessel for Storing Fluids
171	2022 21005695	02-Feb-22	India	Turbine Oil with Anti-Varnish and Load Bearing Properties
172	2022 41008692	18-Feb-22	India	Leakage Detection Apparatus Having Stereoscopic Pairs of Microphones
173	2022 21009125	21-Feb-22	India	Production of High Yields of Light Olefins from Heavy Hydrocarbons
174	2022 21012637	08-Mar-22	India	Manufacturing Process of Aviation Turbine Fuel Hoses
175	2022 21015528	21-Mar-22	India	Optimized Multi-Model Electrical Heating Method and System Thereof
176	2022 22018698	30-Mar-22	India	Precursor for catalyst, process for preparing the same and use thereof (Divisional Application to 2649/MUM/2012)
177	2022 21022314	14-Apr-22	India	Process and Catalyst System for Conversion of C6 Aromatics to Higher Aromatics
178	2022 21023478	21-Apr-22	India	Method for Fatty Acid Alkyl Ester Synthesis and Their Extraction from Oleaginous Microbes
179	2022 21023739	22-Apr-22	India	A Method to Produce Levulinic Acid
180	2022 21025921	04-May-22	India	Hydrophobic Fluorescent Carbon Quantum Dot for Marker Application in Hydrocarbon Liquids and Process of Preparation Thereof
181	2022 21026442	06-May-22	India	An Anaerobic Process for Production of Methane Rich Biogas
182	2022 21032397	06-Jun-22	India	A Reagent Solution for Purification of Carbon Nanomaterials and A Method Thereof
183	2022 21032800	08-Jun-22	India	Additive Composition for Enhancing Performance of Diesel and Middle Distillate Fuels and Preparation Thereof
184	2022 31025075	28-Apr-22	India	An Enzyme and Formulation Thereof for Reducing formation of Acrylamide in Food Processing
185	2022 41038966	06-Jul-22	India	Fabrication of Graphene Polymer Composite based Supercapacitors for Two Wheeler Electric Vehicle Battery Pack Power Need
186	2022 21048058	23-Aug-22	India	Reusable Metal Substrates for Bio-Facial Photoactive Semiconductor Materials for Solar Water Splitting
187	2022 21048237	24-Aug-22	India	An Automated Process for Treatment of Refinery Wastewater
188	2022 21048238	24-Aug-22	India	A Process for Synthesis of B-Site Doped ABX3 Perovskite Nanocrystals
189	2022 21048612	25-Aug-22	India	Methods For Controlling An Engine For Using Hydrogen Enriched Compressed Natural Gas And Systems Thereof
190	2022 21049845	31-Aug-22	India	Renewable Energy Powered Hybrid Thermal cum Electric Heat Transfer Fluid based Cooking System
191	2022 21050885	06-Sep-22	India	Reactor and Process for Semi Continuous Production of Carbon Nanotube
192	194236	14-Jun-05	India	Process for Preparation of Lubricating Greases
193	206249	20-Apr-07	India	Process for Production of Aviation Turbine Fuel ATF/Premium Grade Kerosene through Low Pressure Hydrotreating
194	208603	02-Aug-07	India	Process for Enhancing Yield of Sodium Aluminosilicate Molecular Sieves During Synthesis
195	210390	03-Oct-07	India	A Method of Remediation of Acidic Sludge

196	213164	20-Dec-07	India	Lubricity Improving Additive Composition for Low Sulphur Diesel Fuel
197	221915	10-Jul-08	India	Process for Production of Needle Coke
198	234838	17-Jun-09	India	Process for Preparing Hydrotreating Catalyst Composition useful for Desulfurization of Gasoils
199	234914	19-Jun-09	India	An Improved Cordierite Based Kiln Furniture and A Process for Preparing the Same
200	234925	22-Jun-09	India	Process for Conversion of Hydrocarbons to Saturated LPG and High Octane Gasoline
201	235706	11-Aug-09	India	A Cement Blend and a Process for Preparing the Same thereof
202	243037	24-Sep-10	India	Composition of Agricultural Spray Oil
203	248230	28-Jun-11	India	A Ceramic Body mix utilizing spent catalyst waste and a process for preparing the same
204	250547	10-Jan-12	India	Method for Bio-Assisted Treatment of Hydrocarbon contaminated Soil
205	251597	26-Mar-12	India	Method for Bio-Oxidative Desulfurization of Liquid Hydrocarbon fuels and product thereof
206	252240	02-May-12	India	A Sulphur Sorptive membrane an a method for separation of sulphur compounds from liquid hydrogen
207	253148	28-Jun-12	India	Bio-Assisted Method for Disposing the Emulsion of Metal Working Fluids
208	257028	27-Aug-13	India	Composition of Semi-Synthetic Cutting Oil for Metal Working Applications
209	259470	13-Mar-14	India	Composition of Oil for thin Gauge Steel Rolling
210	261834	16-Jul-14	India	Synergistic Deposit Control Additive composition for Gasoline and process thereof
211	262909	23-Sep-14	India	Novel Synthetic Fuel and method of preparation thereof
212	263574	31-Oct-14	India	A method for the preparation of Hydrotreating Catalyst
213	265292	17-Feb-15	India	Process for preparation of LPG Selective Cracking Catalyst
214	269813	09-Nov-15	India	Metal Passivator Additive
215	273481	09-Jun-16	India	Storage Stable Crumb Rubber modified Bitumen & method of manufacturing thereof
216	275172	26-Aug-16	India	Process for the preparation of High Crystallite Size Faujasite type Zeolite
217	275960	27-Sep-16	India	Composition of Heavy duty engine coolant
218	277506	23-Nov-16	India	Improved Lubricating Oil Composition
219	278495	23-Dec-16	India	Novel Reactive Adsorption and process for removal of refractory sulfur compounds from various refinery streams
220	279866	31-Jan-17	India	Upflow regeneration of FCC catalyst for multistage cracking
221	283180	08-May-17	India	A Dual Function Catalyst Additive Composition and a process for preparation thereof
222	283613	26-May-17	India	Process for deep desulfurization of cracked gasoline with minimum octane loss
223	284001	07-Jun-17	India	Composition of high performance semi-synthetic, bio-stable and operator friendly soluble cutting oil
224	286070	04-Aug-17	India	Apparatus and Process for Gas to Liquid (GTL) Conversion
225	287453	18-Sep-17	India	A Process for Simultaneous Cracking of Lighter and Heavier Hydrocarbon Feed and System for the Same.

226	288184	09-Oct-17	India	Composition of oil for high speed thin and thick gauge steel sheet rolling in Tandem Mills
227	289524	13-Nov-17	India	Carrier oil composition for spray of fungicides on rubber plantations and other crops
228	290058	29-Nov-17	India	Development of high Performance Multipurpose Oil for Hydraulic cum Cutting Applications
229	290290	05-Dec-17	India	Multi Riser Resid Catalytic Cracking Process and Apparatus
230	292052	24-Jan-18	India	High performance gear lubricant with enhanced drain potential for heavy duty commercial vehicles
231	293651	28-Feb-18	India	A Fluidized Catalytic Cracking process
232	293863	06-Mar-18	India	Novel Catalyst composition for biodiesel production and a process for producing biodiesel and the product thereof
233	286038	07-Mar-18	India	A Polypouch for Packaging of Superior Kerosene Oil
234	294969	27-Mar-18	India	System for Production of Hydrogen-Compressed Natural Gas Mixture and Process Thereof
235	295061	27-Mar-18	India	Metal Passivator Additive & Process for Preparing
236	295884	18-Apr-18	India	Reactor Assembly for improving reaction between two immiscible phases for metal reduction of hydrocarbons
237	296312	27-Apr-18	India	A Process for Metal Reduction of Hydrocarbon Oil
238	296401	01-May-18	India	Novel Adsorbent for Removal of Sulphur from Diesel & Gasoline Like Fuels & Process for Preparing the Same
239	297078	24-May-18	India	A Method and Hardware for Supplying Additives to the Delayed Coker Drum
240	297085	24-May-18	India	Two Stage Fluid Catalytic Cracking Process and Apparatus
241	235922	07-Sep-09	India	A Process for the Disposal of Lubricating Greases
242	297529	08-Jun-18	India	A process for enhancing nickel tolerance of heavy hydrocarbon cracking catalysts
243	297749	18-Jun-18	India	A Broaching Oil for Heavy Duty Neat Cutting Oil Composition
244	297367	04-Jun-18	India	A Process for Manufacturing of Rubber Oils with Extremely Low Carcinogenic Polycyclic Aromatic Compounds
245	298832	13-Jul-18	India	Method for detection of kerosene adulteration with extrinsic marker in Gasoline, ATF and Diesel
246	299003	19-Jul-18	India	Hydroprocessing Catalyst Composition and Process Thereof
247	298402	02-Jul-18	India	A Two Stage Gasifier for Generating Syngas
248	299098	23-Jul-18	India	A Process for Production of C3 Olefins in a Fluid Catalytic Cracking Unit
249	300861	07-Sep-18	India	Process for reduction of sulfur in FCC liquid products through the use of CO as a reducing agent
250	301218	20-Sep-18	India	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
251	302800	01-Nov-18	India	Mosquito Larvacidal Oil composition
252	304310	11-Dec-18	India	A Solid Phase Additive Material for Thermal Cracking Process
253	305446	08-Jan-19	India	Internal Donors for Ziegler Natta Catalyst Systems and process for preparing the same

254	304111	06-Dec-18	India	Multi metal nanodispersion for reducing corrosive sulphate anion generated during combustion from fuel oil
255	306520	30-Jan-19	India	Catalyst composition for fluid catalytic cracking, process for preparing the same and use thereof
256	305271	02-Jan-19	India	Vacuum Resid Upgradation and Graphite Production
257	306726	01-Feb-19	India	Up gradation of Residue Feedstock
258	304858	21-Dec-18	India	Exfoliation of Layered Materials in Oil Soluble Ionic Liquids
259	308559	05-Mar-19	India	Extraction of Aromatics from hydrocarbon oil using n-methyl 2-pyrrolidone and cosolvent extraction process
260	309338	18-Mar-19	India	Novel Composition for Ashless Energy Efficient Compressor Oil and Compressor Oil Additive Composition
261	309353	18-Mar-19	India	Single Pot Synthesis of Dialkyl Carbonates using Catalyst from Natural Resource
262	309876	25-Mar-19	India	Process Intensification in Hydroprocessing
263	309887	25-Mar-19	India	Cracking Catalyst Composition of Heavy Hydrocarbon Feedstocks and Process for Preparing the Same
264	310017	26-Mar-19	India	Delayed Coking Process with Pre-cracking Reactor
265	310018	26-Mar-19	India	Fluid Catalytic Cracking Additive Composition and Process for Preparing Thereof
266	310559	29-Mar-19	India	A Liquid Phase Additive for use in Thermal Cracking Process to improve Product Yields
267	310526	29-Mar-19	India	Catalyst for Polymerization of Olefins and Process Thereof
268	310962	08-Apr-19	India	An Improved Giant Impedance (GMI) based Sensing Device
269	313172	24-May-19	India	A Process and A System for Enhancing Liquid Yield of Heavy Hydrocarbon Feed Stock
270	313703	03-Jun-19	India	Hydrotreating Catalyst, Process for Preparing the Same and Use Thereof
271	314185	14-Jun-19	India	FCC Feed Injector with Improved Atomization
272	314845	27-Jun-19	India	Process and composition for preparation of cracking catalyst suitable for enhancing yields of light olefins
273	314351	20-Jun-19	India	Additive composition to improve combustion and reduce engine deposits for petroleum fuel
274	316195	17-Jul-19	India	Process for Quality Enhancement in Hydrocarbon Stream
275	316346	18-Jul-19	India	Hybrid Bitumen Composition and Process of Preparation Thereof
276	317352	31-Jul-19	India	Process and Composition for Cracking Catalyst for Cracking of Heavy Hydrocarbon Feedstocks and Process for Preparing the same
277	317347	31-Jul-19	India	A Catalyst for CO Hydrogenation to produce Synthesis Fuel
278	317807	07-Aug-19	India	An Improved Reactive Polymer Modified Bitumen and a Method of Preparation Thereof
279	318348	16-Aug-19	India	Process for Producing Various Viscosity Grades of Bitumen
280	318380	19-Aug-19	India	Rapid Molecular Method for Quantifying Corrosion Causing Microbes

281	319513	30-Aug-19	India	Methodology for Detection of Kerosene Adulteration in Gasoline, Motor Spirit, ATF and Diesel with Intrinsic Marker
282	319893	05-Sep-19	India	Production of High Yield of Syngas through Regeneration of Coked Upgrading Agent
283	319947	06-Sep-19	India	A Pilferproof, Safe, Uses and Transport Friendly System for Packaging, Marketing & Usage of Inflammable Liquid Products
284	323138	18-Oct-19	India	CO Oxidation Promoter and a Process for the Preparation Thereof
285	325798	26-Nov-19	India	Lubricant composition and process of preparing thereof
286	326870	05-Dec-19	India	Catalyst for Olefin Polymerization and Polymerization thereof
287	326934	06-Dec-19	India	A Process for Algal Mediated Transformation of Sugars to Biodiesel
288	327266	12-Dec-19	India	Process for preparing multilayer graphene (MLG) dispersion in hydrocarbon oil having enhanced thermal conductivity and use for heat transfer fluid
289	327703	18-Dec-19	India	Organometallic compounds in solid form, process for preparing the same and use thereof
290	328288	27-Dec-19	India	Long Drain Tractor Lubricant Composition with Antichatter Characteristics
291	328629	31-Dec-19	India	Synergistic Catalyst System for Preparation of Cyclic Carbonates from CO ₂
292	328926	03-Jan-20	India	A Composition and a Process for the Preparation of Attrition Resistant Cracking Catalyst suitable for enhancing light olefins
293	329154	09-Jan-20	India	Process for Production of High Quality Syngas through Regeneration of Coked Up gradation Agent
294	332345	18-Feb-20	India	Energy Efficient High Performance Industrial Gear Oil and Composition Thereof
295	330544	28-Jan-20	India	Process and Composition for preparation of Cracking Catalyst suitable for enhancing LPG
296	331051	31-Jan-20	India	Production of Propylene in Fluid Catalytic Cracking Unit
297	331074	01-Feb-20	India	Stable dispersion of reduced graphene oxide, process for preparation thereof
298	331506	07-Feb-20	India	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
299	331768	12-Feb-20	India	An Apparatus for Combustion of Gaseous Fuel Obtained from Organic Wastes
300	333480	28-Feb-20	India	Integrated Process For Production Of High Octane Gasoline, High Aromatic Naphtha And High Cetane Diesel From High Aromatic Middle Distillate Range Streams
301	334362	11-Mar-20	India	A Catalyst composition for Catalytic Cracking a Process of Preparation thereof Process
302	336940	18-May-20	India	Crystallinity Modifier for Polypropylene
303	337333	26-May-20	India	Apparatus for Catalytic Cracking
304	338254	10-Jun-20	India	Marine Cylinder Lubricant for Scuffing Control
305	339692	29-Jun-20	India	A Process for Conversion of High Acidic Crude Oils
306	340836	08-Jul-20	India	Process for In-Situ Synthesis of ZnO Nanoparticles in Oil

307	341032	09-Jul-20	India	Fluid Catalytic Cracking Apparatus
308	343124	03-Aug-20	India	Catalyst and Process for Conversion of Vacuum Resid to Middle Distillates
309	343197	03-Aug-20	India	Preparation of Polymer Modified Bitumen (PMB) from Polyethylene Terephthalate (PET) derived Polyamido Amine
310	343444	05-Aug-20	India	Composition of ecofriendly oil for jute batching application
311	343879	11-Aug-20	India	An Integrated Fluid Catalytic Cracking and Oxidative Propane Dehydrogenation Process
312	343987	12-Aug-20	India	Energy Efficient Hydraulic Oil Composition
313	344051	13-Aug-20	India	Process for Conversion of Residue Employing De-Asphalting and Delayed Coking
314	349020	12-Oct-20	India	Multi Utility Solar Led Lighting Device
315	349362	15-Oct-20	India	Process for CO2 Capture from Gaseous Streams
316	349476	17-Oct-20	India	Multimetal Composition for production of Morphology Controlled Carbon Nanotube and process thereof
317	349792	21-Oct-20	India	A Feed Nozzle Assembly
318	349833	22-Oct-20	India	Catalyst Process Modification and Polymerization thereof
319	350324	28-Oct-20	India	Reactor System and Process for Upgrading Heavy Hydro-Carbonaceous Material
320	350707	03-Nov-20	India	Composition for Preparing Expander Free Electrodes for Lead Acid Battery and Performance Thereof
321	351767	19-Nov-20	India	Process for Insitu Synthesis of Dispersion ZnO-TiO2 nanoparticles in Oil
322	352131	24-Nov-20	India	Photo Electrodes for Hydrogen Generation and Module Thereof
323	352955	03-Dec-20	India	Calcium Sulphonate Grease Composition with Improved Water Resistance
324	353182	07-Dec-20	India	Process for selective removal of mercapton from Aviation Turbine Fuel (ATF)
325	353255	08-Dec-20	India	Highly Active Catalyst for Dehydrogenation of Alkanes and Method of Preparation Thereof
326	353580	14-Dec-20	India	Bio-inoculant and Use Thereof for Treatment of Effluent
327	354010	18-Dec-20	India	Two Stage Thermal Cracking Process with Multistage Separation System
328	354649	29-Dec-20	India	Co-Solubilization Process for Preparing Modified Bitumen and Product Obtained Thereof
329	355487	07-Jan-21	India	Process for Etherification of Mixed Olefinic Light Naphtha and Simultaneous Reduction of Methanol in the Product
330	356535	22-Jan-21	India	Catalyst Additive Composition for Reduction of Sulfur in Gasoline
331	356757	27-Jan-21	India	Process for Selective Production of Light Olefins and Aromatics from Cracked Light Naphtha
332	357502	02-Feb-21	India	Efficient Bi-Inorganic System for Treatment of Sulphidic Waste Water Streams containing other Contaminants
333	359277	24-Feb-21	India	Process of Preparation of Drag Reducing Polymers and use thereof

334	359728	26-Feb-21	India	Catalyst Composition for Enhancing Yield of Olefins in Fluid Catalytic Cracking process (FCC)
335	359782	26-Feb-21	India	Development of Doped Carbon Foams for Electro-Catalytic Applications
336	360400	05-Mar-21	India	Modified Crumb Rubber Compositions
337	360429	05-Mar-21	India	Method of Making Hydrocarbon Soluble Metal Compositions
338	361288	16-Mar-21	India	Hydrostatic Lubrication of Piston Ring
339	362620	23-Mar-21	India	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
340	362775	23-Mar-21	India	High Dropping Point Mixed Base Complex Greases and Method of Their Production
341	362964	24-Mar-21	India	Improved Ziegler Natta Catalyst Synthesis and Process thereof
342	362911	24-Mar-21	India	An Apparatus for Distribution of Catalyst in Fluidized Catalytic Cracking Unit
343	365253	23-Apr-21	India	Process for production of Anisotropic Coke
344	367706	27-May-21	India	Organometallic compounds in solid form, process for preparing the same and use thereof (Divisional Application to 2765/MUM/2012)
345	365297	26-Apr-21	India	Development of a Multipurpose Rapid Curing Epoxy Grout to Repair Leaking Defects in Pipelines
346	368019	30-May-21	India	Adsorbent for Removal of Con-carbon and Contaminated Metals Present in Hydrocarbon Feed
347	368737	07-Jun-21	India	A Process for Conversion of Fuel Grade Coke to Anode Grade Coke
348	369533	17-Jun-21	India	Test Set-up & Method for Evaluation of Heat Transfer Fluid
349	369890	22-Jun-21	India	Improved Deasphalting Process for Production of Feedstocks for Dual Applications
350	370504	29-Jun-21	India	A Method to Determine feasibility of transporting a Fluid through a Pipeline
351	371531	08-Jul-21	India	Improved Process for Second Generation Ethanol Production
352	371927	14-Jul-21	India	An Apparatus and Method for Improved Contact of Hydrocarbon Feed with Catalyst in a FCCU
353	371990	15-Jul-21	India	Novel Method for Improving Efficiency of Power Generator through Hybridization with Solid Oxide Fuel Cell
354	372486	22-Jul-21	India	External Donor for Olefin Polymerization
355	373053	28-Jul-21	India	Process Intensification in Hydroprocessing (Divisional Application)
356	373115	29-Jul-21	India	Delayed Coker Drum
357	377872	27-Sep-21	India	Nano Perovskite Materials as Combustion Improver for Liquid and Gaseous Fuels
358	379702	21-Oct-21	India	Novel Composition of High Performance Bearing Oil for Steel Plants
359	379940	25-Oct-21	India	Composition & Process for Preparation of Attrition Resistant Additive suitable fo Cracking Hydrocarbon Feed

360	381229	03-Nov-21	India	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
361	383429	01-Dec-21	India	An Environment Friendly Method for Disposal of Waste Plastics through Conversion of Polyethylene Terephthalate (PET) Polymers to Anti-Stripping Compounds
362	384027	09-Dec-21	India	Process for Enhancing the Properties of Non Degradable Post-Consumer Polyethylene and Product Thereof
363	384422	15-Dec-21	India	Process for Production of Petrochemical Feedstock and High Octane Gasoline from Middle Distillates
364	386107	06-Jan-22	India	Process for Preparation of Ethylene Oligomerization Catalyst and Oligomerization thereof
365	389974	22-Feb-22	India	A Device and Method for Conversion of Carbon Dioxide to Fuels and Chemicals
366	391037	03-Mar-22	India	Process for High Purity Hexane and Production Thereof
367	391905	14-Mar-22	India	Kitchen-Connected Indoor Stationary Cooking Device
368	392254	17-Mar-22	India	Delayed Coking Process with Pre-cracking Reactor (Patent of Addition)
369	392821	24-Mar-22	India	Lubricity cum Conductivity Improver Additive for Ultra Low Sulfur Diesel Fuels
370	393194	28-Mar-22	India	A Rolling Oil Composition
371	394783	13-Apr-22	India	Hydrocarbon Cracking Catalyst and Process for producing Light olefins
372	394932	19-Apr-22	India	Apparatus for Dehydrogenation of Alkanes
373	395144	21-Apr-22	India	A Hot Rolling Oil for Steel
374	396269	05-May-22	India	Process for Synthesis of Dimethyl Ether
375	396622	11-May-22	India	Method of Controlling Kinematic Viscosity of Polyalphaolefin
376	396797	13-May-22	India	Hydrocarbon Soluble Metal Composition and a Method of making it thereof
377	396897	13-May-22	India	Fluid Catalytic Cracking Additive Composition for Enhancing Gasoline Octane Barrel and Process of Preparation Thereof
378	397116	18-May-22	India	Process Configuration for Production of Petrochemical Feedstocks
379	398414	02-Jun-22	India	Microbicide Composition and Method for Mitigating Internal Microbiological Influenced Corrosion in Petroleum Transporting Pipelines
380	398856	09-Jun-22	India	Process for the Production of Polymer Modified Bitumen using Nitrogen rich Polycyclic Aromatic Hydrocarbon
381	398818	09-Jun-22	India	A Catalyst for Enhancing Liquid Yield in Thermal Cracking Process
382	398865	09-Jun-22	India	Metal Salts of Malonic Acid as Nucleating Additives for Crystalline Thermoplastics
383	401796	21-Jul-22	India	Nano-Crystallite Binder Based CO Combustion Promoter
384	404443	24-Aug-22	India	Catalyst Process for Spherical Particles

385	404495	25-Aug-22	India	Composition and Process Thereof for Catalyst for Hydro-Conversion of LCO Involving Partial Ring Opening of Poly-Aromatics
386	405034	29-Aug-22	India	Zinc based Metal Organic Frameworks (ZIT) with Mixed Ligands for Hydrogen Storage
387	393198	28-Mar-22	India	Tar Free Cross-Flow Gasification System for Moisture Containing Feed
388	404737	26-Aug-22	India	Integrated Process for Ethanol Separation from Fermented Broth for Low Temperature Applications
389	405997	07-Sep-22	India	A Process for Hydrotreating of Diesel Range Hydrocarbons
390	406041	07-Sep-22	India	Process for Co-conversion of Waste Plastics and Hydrocarbon Feedstock
391	406532	13-Sep-22	India	Engineered Electrode for Electrobiocatalysis and Process to Construct the Same
392	406858	16-Sep-22	India	Process for Production of Petrochemicals from Cracked Streams
393	BH 36/2014	26-Mar-14	Bahrain	A process for enhancing nickel tolerance of heavy hydrocarbon cracking catalysts
394	BH 41/2018	09-Mar-18	Bahrain	Apparatus and Method for Converting Liquid Stream into Fine Droplets
395	175/2018	24-Sep-18	Bahrain	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
396	240/2018	30-Dec-18	Bahrain	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
397	BP 66/2019	11-Mar-19	Bahrain	Efficient Bi-Inorganic System for Treatment of Sulphidic Waste Water Streams containing other Contaminants
398	BR 11 2012 024901-0	28-Sep-12	Brazil	A Process for simultaneous cracking of lighter and heavier hydrocarbon feed and system for the same
399	BR 11 2014 007168-3	25-Mar-14	Brazil	A process for enhancing nickel tolerance of heavy hydrocarbon cracking catalysts
400	BR 11 2015 008824-4	17-Apr-15	Brazil	Improved Microalgae Strains and use thereof
401	BR 10 2018 005218-7	15-Mar-18	Brazil	Corrosion Inhibitor Composition for Pipelines
402	BR 10 2019 002666-9	08-Feb-19	Brazil	Additive Composition Useful for Improved Production of Fermentable Sugars from Lignocellulose Biomass
403	BR 10 2019 004773-9	12-Mar-19	Brazil	Improved Method for Second Generation Ethanol Production from Lignocellulosic Biomass
404	BR 10 2019 005014-4	14-Mar-19	Brazil	A Formulation to Stabilize Ligno-Cellulolytic Enzyme
405	2938808	11-Aug-16	Canada	Delayed Coking Process with Pre-cracking Reactor
406	CA 3024814	20-Nov-18	Canada	A Process for Conversion of High Acidic Crude Oils
407	3026056	29-Nov-18	Canada	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
408	CN 20151013 3104.4	25-Mar-15	China	Preparation of Polymer Modified Bitumen (PMB) from Polyethylene Terephthalate (PET) derived Polyamido Amine
409	2019 10184235.3	12-Mar-19	China	Improved Method for Second Generation Ethanol Production from Lignocellulosic Biomass

410	1726/2018	29-Oct-18	Egypt	Marine Cylinder Lubricant for Scuffing Control
411	381/2019	07-Mar-19	Egypt	Process for Production of Petrochemicals from Cracked Streams
412	EP 11741290.8	28-Jan-13	Europe	Value added Catalytic Cracking Catalyst Composition and a process for preparation thereof
413	EP 14200606.3	30-Dec-14	Europe	A Process for the preparation of CO Promoter and improvement thereof
414	EP 16150405.5	07-Jan-16	Europe	Process for In-Situ Synthesis of ZnO Nanoparticles in Oil
415	EP 16151505.1	15-Jan-16	Europe	A Hot Rolloing Oil for Steel
416	EP 16152421.0	22-Jan-16	Europe	Thraustochytrid based Process for Treating Waste Effluent
417	EP 16169911.1	17-May-16	Europe	An Apparatus and Method for improved Contact of Hydrocarbon Feed with Catalyst in a FCCU
418	EP 16176986.4	29-Jun-16	Europe	Modified Crumb Rubber Compositions
419	16183488.2	10-Aug-16	Europe	Process and Composition for preparation of Cracking Catalyst suitable for enhancing LPG
420	EP 16203715.4	13-Dec-16	Europe	A GC/GC-MS Based Method for the Estimation of Trace Level Conjugated Dienes in Gasoline Range Products
421	EP 18160854.8	09-Mar-18	Europe	Process for Conversion of Residue Employing De-Asphalting and Delayed Coking
422	EP 18160961.1	09-Mar-18	Europe	External Donor for Olefin Polymerization
423	EP 18160965.2	09-Mar-18	Europe	Multimetal Composition for production of Morphology Controlled Carbon Nanotube and process thereof
424	EP 18209628.9	30-Nov-18	Europe	Apparatus for Gas-Liquid Distribution in Hydroprocessing Reactors
425	EP 18248015.2	27-Dec-18	Europe	Metal Salts of Malonic Acid as Nucleating Additives for Crystalline Thermoplastics
426	19155231.4	04-Feb-19	Europe	Additive Composition Useful for Improved Production of Fermentable Sugars from Lignocellulose Biomass
427	EP 19161000.5	06-Mar-19	Europe	Novel Composition of High Performance Bearing Oil for Steel Plants
428	EP 19161857.8	11-Mar-19	Europe	Nano Perovskite Materials as Combustion Improver for Liquid and Gaseous Fuels
429	EP 19162359.4	12-Mar-19	Europe	Composition and Process Thereof for Catalyst for Hydro-Conversion of LCO Involving Partial Ring Opening of Poly-Aromatics
430	EP 19161852.9	11-Mar-19	Europe	A Formulation to Stabilize Ligno-Cellulolytic Enzyme
431	EP 19163060.7	15-Mar-19	Europe	Nano-Crystallite Binder Based CO Combustion Promoter
432	OM/P/2013/00244	06-Oct-13	Oman	Bio-augmentation composition and use thereof for improving efficiency of effluent treatment plant /hydrocarbon processing plant
433	OM/P/2014/00059	20-Mar-14	Oman	A process for enhancing nickel tolerance of heavy hydrocarbon cracking catalysts
434	OM/P/2016/00236	17-Aug-16	Oman	Long Drain Tractor Lubricant Composition with Antichatter Characteristics
435	OM/P/2017/007	05-Jan-17	Oman	Energy Efficient High Performance Industrial Gear Oil and Composition Thereof
436	OM/P/2017/00045	16-Feb-17	Oman	Energy Efficient Hydraulic Oil Composition
437	OM/P/2018/00297	25-Sep-18	Oman	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process

438	OM/P/2018/00376	29-Nov-18	Oman	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
439	OM/P/2018/00420	31-Dec-18	Oman	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
440	OM/P/2019/00100	14-Mar-19	Oman	Efficient Bi-Inorganic System for Treatment of Sulphidic Waste Water Streams containing other Contaminants
441	QA/201310/00243	06-Oct-13	Qatar	Bio-augmentation composition and use thereof for improving efficiency of effluent treatment plant /hydrocarbon processing plant
442	QA/201403/00092	27-Mar-14	Qatar	A process for production of C3 olefins in a fluid catalytic cracking unit
443	QA/201403/00093	27-Mar-14	Qatar	A process for enhancing nickel tolerance of heavy hydrocarbon cracking catalysts
444	QA/201502/00069	26-Feb-15	Qatar	Bio-inoculant and use thereof for treatment of effluent
445	QA/201809/00425	30-Sep-18	Qatar	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
446	QA/201810/00471	31-Oct-18	Qatar	An Integrated Fluid Catalytic Cracking and Oxidative Propane Dehydrogenation Process
447	QA/201812/00578	26-Dec-18	Qatar	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
448	QA/201901/000068	31-Jan-19	Qatar	A Catalyst Composition for Conversion of Alkanes to Alkenes and Method of Preparation Thereof
449	QA/201903/000139	14-Mar-19	Qatar	Efficient Bi-Inorganic System for Treatment of Sulphidic Waste Water Streams containing other Contaminants
450	116370843	13-Aug-16	Saudi Arabia	Long Drain Tractor Lubricant Composition with Antichatter Characteristics
451	116370858	16-Aug-16	Saudi Arabia	Delayed Coking Process with Pre-cracking Reactor
452	116380176	11-Dec-16	Saudi Arabia	A Formulation for Fast Recovery of Microbial Population
453	116380200	18-Dec-16	Saudi Arabia	Enzyme Composition and use thereof for Capture of Carbon Dioxide from Mixture of Gases
454	119400400	27-Jan-19	Saudi Arabia	A Catalyst Composition for Conversion of Alkanes to Alkenes and Method of Preparation Thereof
455	119400562	19-Mar-19	Saudi Arabia	Nano-Crystallite Binder Based CO Combustion Promoter
456	10-2019-0209-7P	08-Mar-19	Singapore	Bio-Assisted Process for Conversion of Solar Energy to Fuels and Hydrocarbons
457	18235	21-May-15	Sri Lanka	Mixotrophic Cultivation of Microalgae for the Production of Biofuel
458	19201	17-Feb-17	Sri Lanka	Energy Efficient Hydraulic Oil Composition
459	LK/P/20209	30-Oct-18	Sri Lanka	Marine Cylinder Lubricant for Scuffing Control
460	LK/P/20398	07-Mar-19	Sri Lanka	Bio-Assisted Process for Conversion of Solar Energy to Fuels and Hydrocarbons
461	LK/P/20402	11-Mar-19	Sri Lanka	Nano Perovskite Materials as Combustion Improver for Liquid and Gaseous Fuels
462	1901001385	07-Mar-19	Thailand	Bio-Assisted Process for Conversion of Solar Energy to Fuels and Hydrocarbons

463	301/2014	27-Mar-14	UAE	Novel adsorbent for removal of sulphur from diesel & gasoline like fuels & process for preparing the same
464	905/2016	15-Aug-16	UAE	Long Drain Tractor Lubricant Composition with Antichatter Characteristics
465	906/2016	15-Aug-16	UAE	A Composition and a Process for the Preparation of Attrition Resistant Cracking Catalyst suitable for enhancing light olefins
466	904/2016	15-Aug-16	UAE	Process and Composition for preparation of Cracking Catalyst suitable for enhancing LPG
467	909/2016	15-Aug-16	UAE	Cracking Catalyst Composition of Heavy Hydrocarbon Feedstocks and Process for Preparing the Same
468	908/2016	15-Aug-16	UAE	Process and composition for preparation of cracking catalyst suitable for enhancing yields of light olefins
469	907/2016	15-Aug-16	UAE	Composition & Process for Preparation of Attrition Resistant Additive suitable fo Cracking Hydrocarbon Feed
470	914/2016	17-Aug-16	UAE	Delayed Coking Process with Pre-cracking Reactor
471	P6000355/2016	12-Dec-16	UAE	A Formulation for Fast Recovery of Microbial Population
472	1292/2016	18-Dec-16	UAE	Enzyme Composition and use thereof for Capture of Carbon Dioxide from Mixture of Gases
473	1290/2016	18-Dec-16	UAE	Process for Confined Bioremediation of Hydrocarbon Sludge
474	2017110	05-Jan-17	UAE	Energy Efficient High Performance Industrial Gear Oil and Composition Thereof
475	P6000157/2017	19-Feb-17	UAE	Energy Efficient Hydraulic Oil Composition
476	P6000435/2018	27-Mar-18	UAE	Delayed Coking Process with Pre-cracking Reactor (Patent of Addition)
477	P6001359/2018	27-Sep-18	UAE	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
478	P6001360/2018	27-Sep-18	UAE	High Dropping Point Mixed Base Complex Greases and Method of Their Production
479	P6001509/2018	31-Oct-18	UAE	Two Stage Thermal Cracking Process with Multistage Separation System
480	P6001510/2018	31-Oct-18	UAE	An Integrated Fluid Catalytic Cracking and Oxidative Propane Dehydrogenation Process
481	P6001511/2018	31-Oct-18	UAE	Marine Cylinder Lubricant for Scuffing Control
482	P6001667/2018	29-Nov-18	UAE	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
483	P6001849/2018	30-Dec-18	UAE	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
484	P6000166/2019	29-Jan-19	UAE	A Catalyst Composition for Conversion of Alkanes to Alkenes and Method of Preparation Thereof
485	P6000376/2019	14-Mar-19	UAE	Efficient Bi-Inorganic System for Treatment of Sulphidic Waste Water Streams containing other Contaminants
486	P6000396/2019	19-Mar-19	UAE	Nano-Crystallite Binder Based CO Combustion Promoter
487	16/145866	28-Sep-18	USA	Photo Electrodes for Hydrogen Generation and Module Thereof

488	US 16/296172	07-Mar-19	USA	Bio-Assisted Process for Conversion of Solar Energy to Fuels and Hydrocarbons
489	US 16/351045	12-Mar-19	USA	Improved Method for Second Generation Ethanol Production from Lignocellulosic Biomass
490	119400821	13-Jun-19	Saudi Arabia	A Process for Production of Superior Quality Coke
491	QA/201906/000315	11-Jun-19	Qatar	A Process for Production of Superior Quality Coke
492	P6000819/2019	11-Jun-19	UAE	A Process for Production of Superior Quality Coke
493	OM/P/2019/00219	09-Jun-19	Oman	A Process for Production of Superior Quality Coke
494	BR 10 2019013326-0	26-Jun-19	Brazil	Process for Recovering Higher Sugar from Biomass
495	EP 19183183.3	28-Jun-19	Europe	Process for Recovering Higher Sugar from Biomass
496	EP 19189329.6	31-Jul-19	Europe	Catalyst Composition and a Process of Preparation of Catalyst for Enhancing Yield of Olefins and Distillates in Fluid Catalytic Cracking process (FCC)
497	119400910	06-Aug-19	Saudi Arabia	Catalyst Composition and a Process of Preparation of Catalyst for Enhancing Yield of Olefins and Distillates in Fluid Catalytic Cracking process (FCC)
498	P6001147/2019	08-Aug-19	UAE	Catalyst Composition and a Process of Preparation of Catalyst for Enhancing Yield of Olefins and Distillates in Fluid Catalytic Cracking process (FCC)
499	US 16/545578	20-Aug-19	USA	Process for CO2 Capture from Gaseous Streams
500	BH 196/2019	21-Aug-19	Bahrain	Process for CO2 Capture from Gaseous Streams
501	OM/P/2019/00329	21-Aug-19	Oman	Process for CO2 Capture from Gaseous Streams
502	QA/201908/000438	20-Aug-19	Qatar	Process for CO2 Capture from Gaseous Streams
503	P6001216/2019	27-Aug-19	UAE	Process for CO2 Capture from Gaseous Streams
504	P6001249/2019	02-Sep-19	UAE	A Process for Bio-sludge Reduction in Hydrocarbon Refinery Effluent Treatment Plant through Microbial Interventions
505	BH 205/2019	02-Sep-19	Bahrain	A Process for Bio-sludge Reduction in Hydrocarbon Refinery Effluent Treatment Plant through Microbial Interventions
506	EP 19195994.9	06-Sep-19	Europe	A Process for Bio-sludge Reduction in Hydrocarbon Refinery Effluent Treatment Plant through Microbial Interventions
507	OM/P/2019/00350	05-Sep-19	Oman	A Process for Bio-sludge Reduction in Hydrocarbon Refinery Effluent Treatment Plant through Microbial Interventions
508	QA/201909/000477	05-Sep-19	Qatar	A Process for Bio-sludge Reduction in Hydrocarbon Refinery Effluent Treatment Plant through Microbial Interventions

509	EP 19194870.2	02-Sep-19	Europe	Process for Selective Production of Light Olefins and Aromatics from Cracked Light Naphtha
510	EP 19199231.2	24-Sep-19	Europe	Method for Preparation and Screening of Fungal Mutant with High Hydrolytic Activity and Catabolite Derepressed Character
511	BR 10 2019 020218-1	26-Sep-19	Brazil	Method for Preparation and Screening of Fungal Mutant with High Hydrolytic Activity and Catabolite Derepressed Character
512	119410146	27-Oct-19	Saudi Arabia	Highly Active Catalyst for Dehydrogenation of Alkanes and Method of Preparation Thereof
513	QA/201910/000547	14-Oct-19	Qatar	Highly Active Catalyst for Dehydrogenation of Alkanes and Method of Preparation Thereof
514	P6001518/2019	24-Oct-19	UAE	Highly Active Catalyst for Dehydrogenation of Alkanes and Method of Preparation Thereof
515	US 16/668832	30-Oct-19	USA	Engineered Electrode for Electrobiocatalysis and Process to Construct the Same
516	BR 10 2019 025066-6	27-Nov-19	Brazil	Provident Method of Cellulases Enzymes Production by Penicillium Funiculosum MRJ-16 Using Minimum Media Components
517	EP 19217758.2	18-Dec-19	Europe	Method for Preparation of Fungal Mutant with High Hydrolytic Activity and Thereof
518	BR 10 2019 027128-0	18-Dec-19	Brazil	Method for Preparation of Fungal Mutant with High Hydrolytic Activity and Thereof
519	LK/P/20899	17-Dec-19	Sri Lanka	Co-Solubilization Process for Preparing Modified Bitumen and Product Obtained Thereof
520	PI 2019 007563	18-Dec-19	Malaysia	Co-Solubilization Process for Preparing Modified Bitumen and Product Obtained Thereof
521	EP 19217757.4	18-Dec-19	Europe	Co-Solubilization Process for Preparing Modified Bitumen and Product Obtained Thereof
522	US 16/778848	31-Jan-20	USA	Integrated Process for Ethanol Separation from Fermented Broth for Low Temperature Applications
523	EP 20154021.8	28-Jan-20	Europe	Integrated Process for Ethanol Separation from Fermented Broth for Low Temperature Applications
524	120410438	23-Feb-20	Saudi Arabia	Process for production of Anisotropic Coke
525	P6000271/2020	26-Feb-20	UAE	Process for production of Anisotropic Coke
526	OM/P/2020/00048	12-Feb-20	Oman	Process for production of Anisotropic Coke
527	CN 202010095936.2	17-Feb-20	China	Integrated Process for Ethanol Separation from Fermented Broth for Low Temperature Applications
528	JP 2020-32966	28-Feb-20	Japan	Morphology Modified Hetrophase Propylene Copolymers and their products thereof
529	CN 2020 10127127.5	28-Feb-20	China	Morphology Modified Hetrophase Propylene Copolymers and their products thereof

530	KR 10-2020-0025965	02-Mar-20	South Korea	Morphology Modified Hetrophase Propylene Copolymers and their products thereof
531	EP 20159908.1	27-Feb-20	Europe	Morphology Modified Hetrophase Propylene Copolymers and their products thereof
532	BR 10 2020 003518-5	19-Feb-20	Brazil	Bio-Refinery Waste Utilization for Enzyme Production Using Novel Penicillium Funiculosum MRJ-16 Fungal Strain
533	EP 20157001.7	12-Feb-20	Europe	Bio-Refinery Waste Utilization for Enzyme Production Using Novel Penicillium Funiculosum MRJ-16 Fungal Strain
534	EP 20159449.6	26-Feb-20	Europe	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
535	P6000272/2020	26-Feb-20	UAE	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
536	QA/202002/00086	17-Feb-20	Qatar	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
537	120410466	26-Feb-20	Saudi Arabia	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
538	BP 26/2020	16-Feb-20	Bahrain	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
539	OM/P/2020/00069	26-Feb-20	Oman	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
540	EP 20169546.7	15-Apr-20	Europe	Process for Production of Petrochemical Feedstock and High Octane Gasoline from Middle Distillates
541	120410609	24-Apr-20	Saudi Arabia	Process for Production of Petrochemical Feedstock and High Octane Gasoline from Middle Distillates
542	120410610	24-Apr-20	Saudi Arabia	A Process for Conversion of Fuel Grade Coke to Anode Grade Coke
543	P6000598/2020	23-Apr-20	UAE	A Process for Conversion of Fuel Grade Coke to Anode Grade Coke
544	EP 20171342.7	24-Apr-20	Europe	A Process for Conversion of Fuel Grade Coke to Anode Grade Coke
545	EP 20175398.5	19-May-20	Europe	Production of Mixture of Hydrogen and Natural Gas (Divisional application to EP 10837170.9)
546	EP 20177973.3	03-Jun-20	Europe	Inlet Diffuser for Fixed-Bed Hydroprocessing Reactors
547	EP 20179420.3	11-Jun-20	Europe	Thermal Cracking Furnace for Residue Feedstock
548	120410753	11-Jun-20	Saudi Arabia	Thermal Cracking Furnace for Residue Feedstock
549	OM/P/2020/00215	04-Jun-20	Oman	A Process for Conversion of Fuel Grade Coke to Anode Grade Coke

550	EP 20182192.3	25-Jun-20	Europe	Improved Method for Second Generation Ethanol Production via Modified Simultaneous Saccharification and Co-Fermentation Process
551	BR 102020012982-1	25-Jun-20	Brazil	Improved Method for Second Generation Ethanol Production via Modified Simultaneous Saccharification and Co-Fermentation Process
552	CN 202010595679.9	28-Jun-20	China	Improved Method for Second Generation Ethanol Production via Modified Simultaneous Saccharification and Co-Fermentation Process
553	US 16/943928	30-Jul-20	USA	A Method for Preparation of Bio-Inoculant for enhancing the Methane Production from Waste Organics and Biomass Slurries
554	EP 20189098.5	03-Aug-20	Europe	A Method for Preparation of Bio-Inoculant for enhancing the Methane Production from Waste Organics and Biomass Slurries
555	PI 2020003954	30-Jul-20	Malaysia	A Method for Preparation of Bio-Inoculant for enhancing the Methane Production from Waste Organics and Biomass Slurries
556	EP 20187713.1	24-Jul-20	Europe	An Apparatus and a Method for Washing of Hydrocarbon Product Vapour
557	EP 20190674.0	12-Aug-20	Europe	Process & Apparatus for Co-conversion of Waste Plastics in Delayed Coker Unit
558	CN 202010868490.2	26-Aug-20	China	Process & Apparatus for Co-conversion of Waste Plastics in Delayed Coker Unit
559	120420027	30-Aug-20	Saudi Arabia	Process & Apparatus for Co-conversion of Waste Plastics in Delayed Coker Unit
560	120420023	26-Aug-20	Saudi Arabia	An Apparatus and a Method for Washing of Hydrocarbon Product Vapour
561	US 17/037424	29-Sep-20	USA	Fluid Catalytic Cracking Additive Composition for Enhancing Gasoline Octane Barrel and a Process of Preparation Thereof
562	EP 20197133.0	21-Sep-20	Europe	Fluid Catalytic Cracking Additive Composition for Enhancing Gasoline Octane Barrel and a Process of Preparation Thereof
563	US 17/035461	28-Sep-20	USA	Apparatus for Dehydrogenation of Alkanes to Alkenes
564	120420099	30-Sep-20	Saudi Arabia	Apparatus for Dehydrogenation of Alkanes to Alkenes
565	P6001372/2020	29-Sep-20	UAE	Apparatus for Dehydrogenation of Alkanes to Alkenes
566	KW/P/2020/000319	04-Oct-20	Kuwait	Apparatus for Dehydrogenation of Alkanes to Alkenes
567	QA/202009/000507	29-Sep-20	Qatar	Apparatus for Dehydrogenation of Alkanes to Alkenes
568	EP 20204028.3	27-Oct-20	Europe	A Method for Preparing Catalyst for Selective Hydrogenation of Diolefins
569	US 17/085959	30-Oct-20	USA	A Method for Preparing Catalyst for Selective Hydrogenation of Diolefins

570	120420182	29-Oct-20	Saudi Arabia	A Method for Preparing Catalyst for Selective Hydrogenation of Diolefins
571	CN 202011182937.7	29-Oct-20	China	A Membrane-less Reactor Design and Process for Biotransformation of Carbon dioxide
572	3097391	29-Oct-20	Canada	A Membrane-less Reactor Design and Process for Biotransformation of Carbon dioxide
573	US 17/084623	29-Oct-20	USA	A Membrane-less Reactor Design and Process for Biotransformation of Carbon dioxide
574	BR 13 2020 022348-7	31-Oct-20	Brazil	Improved Simultaneous Saccharification and Co-Fermentation (SSCF) Process for Second Generation Ethanol Production from Lignocellulosic Biomass and 2G Residual Biomass (Patent of Addition to Application No. BR 10 2019 004773-9)
575	US 17/075486	20-Oct-20	USA	Improved Simultaneous Saccharification and Co-Fermentation (SSCF) Process for Second Generation Ethanol Production from Lignocellulosic Biomass and 2G Residual Biomass (CIP to Application No. 16/351045)
576	US 17/094966	11-Nov-20	USA	A Process for Producing High Yields of Hydrogen and Light Olefins from Resid FCC
577	EP 20206377.2	09-Nov-20	Europe	A Process for Producing High Yields of Hydrogen and Light Olefins from Resid FCC
578	120420203	08-Nov-20	Saudi Arabia	A Process for Producing High Yields of Hydrogen and Light Olefins from Resid FCC
579	KW/P/2020/000373	09-Nov-20	Kuwait	A Process for Producing High Yields of Hydrogen and Light Olefins from Resid FCC
580	P6001554/2020	09-Nov-20	UAE	A Process for Producing High Yields of Hydrogen and Light Olefins from Resid FCC
581	OM/P/2020/000434	09-Nov-20	Oman	A Process for Producing High Yields of Hydrogen and Light Olefins from Resid FCC
582	EP 20211560.6	03-Dec-20	Europe	Process for Preparation of Ethylene Oligomerization Catalyst and Oligomerization thereof
583	2020-202503	07-Dec-20	Japan	Process for Preparation of Ethylene Oligomerization Catalyst and Oligomerization thereof
584	120420276	07-Dec-20	Saudi Arabia	Process for Preparation of Ethylene Oligomerization Catalyst and Oligomerization thereof
585	2020 11426960.6	09-Dec-20	China	Process for Preparation of Ethylene Oligomerization Catalyst and Oligomerization thereof

586	10-2020-0172134	10-Dec-20	South Korea	Process for Preparation of Ethylene Oligomerization Catalyst and Oligomerization thereof
587	US 17/140922	04-Jan-21	USA	A Catalyst Composition for Oxidative Dehydrogenation of Alkane
588	EP 20217347.2	28-Dec-20	Europe	A Catalyst Composition for Oxidative Dehydrogenation of Alkane
589	2020143898	28-Dec-20	Russia	A Catalyst Composition for Oxidative Dehydrogenation of Alkane
590	121420337	01-Jan-21	Saudi Arabia	A Catalyst Composition for Oxidative Dehydrogenation of Alkane
591	QA/202101/000692	01-Jan-21	Qatar	A Catalyst Composition for Oxidative Dehydrogenation of Alkane
592	P6000001/2021	01-Jan-21	UAE	A Catalyst Composition for Oxidative Dehydrogenation of Alkane
593	EP 20217517.0	29-Dec-20	Europe	High Temperature Zinc Complex Grease
594	P6000002/2021	01-Jan-21	UAE	High Temperature Zinc Complex Grease
595	121420338	01-Jan-21	Saudi Arabia	High Temperature Zinc Complex Grease
596	P00 2020 10687	28-Dec-20	Indonesia	High Temperature Zinc Complex Grease
597	SG 10202101327W	07-Feb-21	Singapore	Process for Production of MARPOL Compliant Bunker Fuel from Petroleum Residues
598	LK/P/21584	08-Feb-21	Sri Lanka	Process for Production of MARPOL Compliant Bunker Fuel from Petroleum Residues
599	2021103999	17-Feb-21	Russia	A High Coordination Sulfated Mixed Metal Oxide catalyst for Hydrocarbon Isomerization
600	US 17/178619	18-Feb-21	USA	A High Coordination Sulfated Mixed Metal Oxide catalyst for Hydrocarbon Isomerization
601	EP21157936.2	18-Feb-21	Europe	A High Coordination Sulfated Mixed Metal Oxide catalyst for Hydrocarbon Isomerization
602	US 17/199226	11-Mar-21	USA	Microbicide Composition and Method for Mitigating Internal Microbiological Influenced Corrosion in Petroleum Transporting Pipelines
603	2021106164	10-Mar-21	Russia	Microbicide Composition and Method for Mitigating Internal Microbiological Influenced Corrosion in Petroleum Transporting Pipelines
604	3111794	11-Mar-21	Canada	Microbicide Composition and Method for Mitigating Internal Microbiological Influenced Corrosion in Petroleum Transporting Pipelines
605	US 17/204732	17-Mar-21	USA	Process for Removal of Sulfur and Other Impurities from LPG
606	EP 21163041.3	17-Mar-21	Europe	Process for Removal of Sulfur and Other Impurities from LPG
607	P6000378/2021	16-Mar-21	UAE	Process for Removal of Sulfur and Other Impurities from LPG
608	121420571	17-Mar-21	Saudi Arabia	Process for Removal of Sulfur and Other Impurities from LPG
609	KW/P/2021/00078	17-Mar-21	Kuwait	Process for Removal of Sulfur and Other Impurities from LPG

610	US 17/211068	24-Mar-21	USA	Anti-viral Coating Formulation of Active Nano Ingredients for Personal Protective Equipment and Disinfectants
611	EP 21162662.7	15-Mar-21	Europe	Anti-viral Coating Formulation of Active Nano Ingredients for Personal Protective Equipment and Disinfectants
612	P/BD/2021/000085	21-Mar-21	Bangladesh	Anti-viral Coating Formulation of Active Nano Ingredients for Personal Protective Equipment and Disinfectants
613	LK/P/21672	12-Mar-21	Sri Lanka	Anti-viral Coating Formulation of Active Nano Ingredients for Personal Protective Equipment and Disinfectants
614	620	17-Mar-21	Nepal	Anti-viral Coating Formulation of Active Nano Ingredients for Personal Protective Equipment and Disinfectants
615	BR 13 2021 005869-1	25-Mar-21	Brazil	Method for Continuous Second Generation Ethanol Production in Simultaneous Saccharification and Co-fermentation (SSCF) Process (Patent of Addition to Application No. BR 10 2019 004773-9)
616	US 17/212528	25-Mar-21	USA	Method for Continuous Second Generation Ethanol Production in Simultaneous Saccharification and Co-fermentation (SSCF) Process (CIP to Application No. 16/351045)
617	CN 202110400115.X	14-Apr-21	China	Method of Controlling Kinematic Viscosity of Polyalphaolefin
618	EP 21168133.3	14-Apr-21	Europe	Method of Controlling Kinematic Viscosity of Polyalphaolefin
619	3114974	14-Apr-21	Canada	Bio-assisted Treatment of Microbiologically Influenced Corrosion in Petroleum Transporting Pipelines
620	US 17/232311	16-Apr-21	USA	Bio-assisted Treatment of Microbiologically Influenced Corrosion in Petroleum Transporting Pipelines
621	US 17/232853	16-Apr-21	USA	Process for Biogas Upgradation
622	EP 21169033.4	17-Apr-21	Europe	Process for Biogas Upgradation
623	EP 21168136.6	13-Apr-21	Europe	Process Configuration for Improving Production of Petrochemical Feedstocks
624	121420673	20-Apr-21	Saudi Arabia	Process Configuration for Improving Production of Petrochemical Feedstocks
625	QA/202104/000227	20-Apr-21	Qatar	Process Configuration for Improving Production of Petrochemical Feedstocks
626	KW/P/2021/000144	20-Apr-21	Kuwait	Process Configuration for Improving Production of Petrochemical Feedstocks
627	US 17/237472	22-Apr-21	USA	Method for Measuring Internal Geometry of a Pipeline
628	EP 21169549.9	21-Apr-21	Europe	Method for Measuring Internal Geometry of a Pipeline
629	121420672	21-Apr-21	Saudi Arabia	Method for Measuring Internal Geometry of a Pipeline
630	QA/202104/000230	21-Apr-21	Qatar	Method for Measuring Internal Geometry of a Pipeline

631	P6000635/2021	21-Apr-21	UAE	Method for Measuring Internal Geometry of a Pipeline
632	KW/P/2021/000145	21-Apr-21	Kuwait	Method for Measuring Internal Geometry of a Pipeline
633	AP/P/2021/013131	21-Apr-21	ARIPO-Uganda	Method for Measuring Internal Geometry of a Pipeline
634	AP/P/2021/013131	21-Apr-21	ARIPO-Zambia	Method for Measuring Internal Geometry of a Pipeline
635	AP/P/2021/013131	21-Apr-21	ARIPO-Tanzan	Method for Measuring Internal Geometry of a Pipeline
636	US 17/240163	26-Apr-21	USA	A Device and Process for Converting Organic Waste to Biogas
637	EP 21170324.4	24-Apr-21	Europe	A Device and Process for Converting Organic Waste to Biogas
638	LK/P/21743	23-Apr-21	Sri Lanka	A Device and Process for Converting Organic Waste to Biogas
639	BT/PAT/2021/01	23-Apr-21	Bhutan	Anti-viral Coating Formulation of Active Nano Ingredients for Personal Protective Equipment and Disinfectants
640	CN 20210581500.9	26-May-21	China	A Method and a Device for Operating PEM Fuel Cell with CO Contaminated Hydrogen
641	EP 21175599.6	25-May-21	Europe	A Method and a Device for Operating PEM Fuel Cell with CO Contaminated Hydrogen
642	2021-85939	21-May-21	Japan	A Method and a Device for Operating PEM Fuel Cell with CO Contaminated Hydrogen
643	10-2021-0067099	25-May-21	South Korea	A Method and a Device for Operating PEM Fuel Cell with CO Contaminated Hydrogen
644	US 17/330688	26-May-21	USA	A Method and a Device for Operating PEM Fuel Cell with CO Contaminated Hydrogen
645	US 17/356296	23-Jun-21	USA	Process for Producing Ultrahigh Molecular Weight Polymer in Powder Form
646	CN 202110697726.5	23-Jun-21	China	Process for Producing Ultrahigh Molecular Weight Polymer in Powder Form
647	121420819	21-Jun-21	Saudi Arabia	Process for Producing Ultrahigh Molecular Weight Polymer in Powder Form
648	2021118198	22-Jun-21	Russia	Process for Producing Ultrahigh Molecular Weight Polymer in Powder Form
649	3122825	21-Jun-21	Canada	Process for Producing Ultrahigh Molecular Weight Polymer in Powder Form
650	US 17/364203	30-Jun-21	USA	NMR Method for Identification and Estimation of Components in Hand Sanitizers
651	EP 21181650.9	25-Jun-21	Europe	NMR Method for Identification and Estimation of Components in Hand Sanitizers
652	2021-102244	25-Jun-21	Japan	NMR Method for Identification and Estimation of Components in Hand Sanitizers
653	3123183	24-Jun-21	Canada	NMR Method for Identification and Estimation of Components in Hand Sanitizers
654	US 17/364191	30-Jun-21	USA	Zinc based Metal Organic Frameworks (ZIT) with Mixed Ligands for Hydrogen Storage and thereof
655	EP 21182089.9	28-Jun-21	Europe	Zinc based Metal Organic Frameworks (ZIT) with Mixed Ligands for Hydrogen Storage and thereof
656	2021-95761	08-Jun-21	Japan	Zinc based Metal Organic Frameworks (ZIT) with Mixed Ligands for Hydrogen Storage and thereof

657	CN 202110706089.3	24-Jun-21	China	Zinc based Metal Organic Frameworks (ZIT) with Mixed Ligands for Hydrogen Storage and thereof
658	10-2021-0083383	25-Jun-21	South Korea	Zinc based Metal Organic Frameworks (ZIT) with Mixed Ligands for Hydrogen Storage and thereof
659	US 17/364182	30-Jun-21	USA	Quench-box Assembly for Hydroprocessing Reactors
660	EP 21180472.9	18-Jun-21	Europe	Quench-box Assembly for Hydroprocessing Reactors
661	121420827	23-Jun-21	Saudi Arabia	Quench-box Assembly for Hydroprocessing Reactors
662	21844	11-Jun-21	Sri Lanka	Dual Axis Solar Tracking System
663	BT/PTA/Q/1/06	29-Jun-21	Bhutan	Dual Axis Solar Tracking System
664	P/BD/2021/000185	14-Jun-21	Bangladesh	Dual Axis Solar Tracking System
665	783	18-Jun-21	Nepal	Dual Axis Solar Tracking System
666	954/2021	20-Jun-21	Egypt	Dual Axis Solar Tracking System
667	210387	04-07-2021	Algeria	Dual Axis Solar Tracking System
668	AP/P/2021/013281	15-Jun-21	ARIPO-Botswana	Dual Axis Solar Tracking System
669	AP/P/2021/013281	15-Jun-21	ARIPO-Namibia	Dual Axis Solar Tracking System
670	AP/P/2021/013281	15-Jun-21	ARIPO-Zimbabwe	Dual Axis Solar Tracking System
671	AP/P/2021/013281	15-Jun-21	ARIPO-Sudan	Dual Axis Solar Tracking System
672	US 17/367897	06-Jul-21	USA	IBG-Booster to Improve Biogas Yield and Stabilize the Digester Performance
673	EP 21182723.3	30-Jun-21	Europe	IBG-Booster to Improve Biogas Yield and Stabilize the Digester Performance
674	PI2021003833	05-Jul-21	Malaysia	IBG-Booster to Improve Biogas Yield and Stabilize the Digester Performance
675	21856	07-Jul-21	Sri Lanka	Lubricant Composition for e-Axle Application
676	P6001199/2021	13-Jul-21	UAE	Lubricant Composition for e-Axle Application
677	121420904	14-Jul-21	Saudi Arabia	Lubricant Composition for e-Axle Application
678	QA/202107/000375	07-Jul-21	Qatar	Lubricant Composition for e-Axle Application
679	OM/P/2021/00270	08-Jul-21	Oman	Lubricant Composition for e-Axle Application
680	167/2021	08-Jul-21	Bahrain	Lubricant Composition for e-Axle Application
681	10202107738Y	14-Jul-21	Singapore	Lubricant Composition for e-Axle Application
682	PI2021004024	15-Jul-21	Malaysia	Lubricant Composition for e-Axle Application
683	2101004198	15-Jul-21	Thailand	Lubricant Composition for e-Axle Application
684	1-2021-04327	14-Jul-21	Vietnam	Lubricant Composition for e-Axle Application
685	1-2021-050316	16-Jul-21	Philippines	Lubricant Composition for e-Axle Application
686	P/BD/2021/002210	08-Jul-21	Bangladesh	Lubricant Composition for e-Axle Application
687	318	09-Jul-21	Nepal	Lubricant Composition for e-Axle Application
688	2021205075	15-Jul-21	Australia	Lubricant Composition for e-Axle Application
689	1079/2021	12-Jul-21	Egypt	Lubricant Composition for e-Axle Application
690	US 17/382138	21-Jul-21	USA	Polymerization Catalyst System and Process to Produce Highly Reactive Polyisobutylene
691	EP 21186363.4	19-Jul-21	Europe	Polymerization Catalyst System and Process to Produce Highly Reactive Polyisobutylene
692	CN 202110825028.9	21-Jul-21	China	Polymerization Catalyst System and Process to Produce Highly Reactive Polyisobutylene
693	10-2021-0096401	22-Jul-21	South Korea	Polymerization Catalyst System and Process to Produce Highly Reactive Polyisobutylene
694	US 17/390956	31-Jul-21	USA	Process for Production of Cellulolytic Enzymes along with Citric Acid from Ligno-Cellulosic (Patent of Addition to 201821044919)
695	BR 13 2021 015146-2	30-Jul-21	Brazil	Process for Production of Cellulolytic Enzymes along with Citric Acid from Ligno-Cellulosic (Patent of Addition to 201821044919)
696	EP 21189080.1	02-Aug-21	Europe	Process for Co-conversion of Waste Plastics and Hydrocarbon Feedstock

697	12142096	03-Aug-21	Saudi Arabia	Process for Co-conversion of Waste Plastics and Hydrocarbon Feedstock
698	2021-124021	29-Jul-21	Japan	Process for Co-conversion of Waste Plastics and Hydrocarbon Feedstock
699	US 17/391929	02-Aug-21	USA	Process for Production of Graphite Coke from an Admixture of Coal and Petroleum based Hydrocarbons
700	EP 21189084.3	02-Aug-21	Europe	Process for Production of Graphite Coke from an Admixture of Coal and Petroleum based Hydrocarbons
701	121420955	02-Aug-21	Saudi Arabia	Process for Production of Graphite Coke from an Admixture of Coal and Petroleum based Hydrocarbons
702	P6001341/2021	02-Aug-21	UAE	Process for Production of Graphite Coke from an Admixture of Coal and Petroleum based Hydrocarbons
703	OM/P/2021/00304	02-Aug-21	Oman	Process for Production of Graphite Coke from an Admixture of Coal and Petroleum based Hydrocarbons
704	US 17/394811	05-Aug-21	USA	Process for Xylitol Production from Xylose
705	BR 10 2021 015605-8	06-Aug-21	Brazil	Process for Xylitol Production from Xylose
706	EP 21190125.1	06-Aug-21	Europe	Process for Xylitol Production from Xylose
707	2021212080	05-Aug-21	Australia	Process for Xylitol Production from Xylose
708	US 17/404758	17-Aug-21	USA	Kitchen-Connected Indoor Stationary Cooking Device
709	EP 21191885.9	18-Aug-21	Europe	Kitchen-Connected Indoor Stationary Cooking Device
710	21909	18-Aug-21	Sri Lanka	Kitchen-Connected Indoor Stationary Cooking Device
711	P/BD/2021/000264	18-Aug-21	Bangladesh	Kitchen-Connected Indoor Stationary Cooking Device
712	AP/P/2021/013426	18-Aug-21	ARIPO-Namibia	Kitchen-Connected Indoor Stationary Cooking Device
713	AP/P/2021/013426	18-Aug-21	ARIPO-Botswana	Kitchen-Connected Indoor Stationary Cooking Device
714	AP/P/2021/013426	18-Aug-21	ARIPO-Zimbabwe	Kitchen-Connected Indoor Stationary Cooking Device
715	AP/P/2021/013426	18-Aug-21	ARIPO-Sudan	Kitchen-Connected Indoor Stationary Cooking Device
716	US 17/411722	25-Aug-21	USA	A Method to Valorize 2G Bioethanol Waste Stream
717	BR 10 2021 016886-2	25-Aug-21	Brazil	A Method to Valorize 2G Bioethanol Waste Stream
718	EP 21191338.9	13-Aug-21	Europe	A Method to Valorize 2G Bioethanol Waste Stream
719	AU 2021215245	13-Aug-21	Australia	A Method to Valorize 2G Bioethanol Waste Stream
720	US 17/446763	02-Sep-21	USA	Electro Catalyst Composition with Redox Buffer Metal Oxide for Bi-functional Air Electrode
721	2021-137751	26-Aug-21	Japan	Electro Catalyst Composition with Redox Buffer Metal Oxide for Bi-functional Air Electrode
722	EP 21193257.9	26-Aug-21	Europe	Electro Catalyst Composition with Redox Buffer Metal Oxide for Bi-functional Air Electrode
723	285974	30-Aug-21	Israel	Electro Catalyst Composition with Redox Buffer Metal Oxide for Bi-functional Air Electrode
724	US 17/447028	07-Sep-21	USA	Process for Production and Separation of Alcohols and Oligomerization of Hydrocarbon Feedstock
725	EP 21194347.7	01-Sep-21	Europe	Process for Production and Separation of Alcohols and Oligomerization of Hydrocarbon Feedstock
726	121430097	01-Sep-21	Saudi Arabia	Process for Production and Separation of Alcohols and Oligomerization of Hydrocarbon Feedstock

727	P 6001536/2021	01-Sep-21	UAE	Process for Production and Separation of Alcohols and Oligomerization of Hydrocarbon Feedstock
728	US 17/468388	07-Sep-21	USA	Solvent Composition for CO2 Capture and a Process Mediated Thereof
729	EP 21194989.6	07-Sep-21	Europe	Solvent Composition for CO2 Capture and a Process Mediated Thereof
730	P6001592/2021	07-Sep-21	UAE	Solvent Composition for CO2 Capture and a Process Mediated Thereof
731	217/2021	06-Sep-21	Bahrain	Solvent Composition for CO2 Capture and a Process Mediated Thereof
732	OM/P/2021/00361	06-Sep-21	Oman	Solvent Composition for CO2 Capture and a Process Mediated Thereof
733	QA/202109/000487	06-Sep-21	Qatar	Solvent Composition for CO2 Capture and a Process Mediated Thereof
734	121430112	06-Sep-21	Saudi Arabia	Solvent Composition for CO2 Capture and a Process Mediated Thereof
735	US 17/459443	09-Sep-21	USA	Process for Preparing a Hydrotreating Catalyst Composition for Producing Ultra Low Sulfur Diesel
736	EP 21194252.9	01-Sep-21	Europe	Process for Preparing a Hydrotreating Catalyst Composition for Producing Ultra Low Sulfur Diesel
737	121430071	26-Aug-21	Saudi Arabia	Process for Preparing a Hydrotreating Catalyst Composition for Producing Ultra Low Sulfur Diesel
738	P6001516/2021	26-Aug-21	UAE	Process for Preparing a Hydrotreating Catalyst Composition for Producing Ultra Low Sulfur Diesel
739	QA/202108/000469	23-Aug-21	Qatar	Process for Preparing a Hydrotreating Catalyst Composition for Producing Ultra Low Sulfur Diesel
740	US 17/447828	16-Sep-21	USA	Fluidized Bed Dehydrogenation Process for Light Olefin Production
741	2021126909	13-Sep-21	Russia	Fluidized Bed Dehydrogenation Process for Light Olefin Production
742	121430141	13-Sep-21	Saudi Arabia	Fluidized Bed Dehydrogenation Process for Light Olefin Production
743	P6001620/2021	12-Sep-21	UAE	Fluidized Bed Dehydrogenation Process for Light Olefin Production
744	US 17/478767	17-Sep-21	USA	An Integrated Oxidative Alkane Dehydrogenation and Hydrogen Generation Proces
745	121430140	13-Sep-21	Saudi Arabia	An Integrated Oxidative Alkane Dehydrogenation and Hydrogen Generation Proces
746	P6001634/2021	13-Sep-21	UAE	An Integrated Oxidative Alkane Dehydrogenation and Hydrogen Generation Proces
747	US 17/478692	17-Sep-21	USA	A Process for Production of Needle Coke
748	EP 21196889.6	15-Sep-21	Europe	A Process for Production of Needle Coke
749	121430152	16-Sep-21	Saudi Arabia	A Process for Production of Needle Coke
750	KW/P/2021/373	16-Sep-21	Kuwait	A Process for Production of Needle Coke
751	P6001654/2021	15-Sep-21	UAE	A Process for Production of Needle Coke
752	OM/P/2021/000372	15-Sep-21	Oman	A Process for Production of Needle Coke
753	US 17/481050	21-Sep-21	USA	Catalytic Pyrolysis of Polystyrene into Aromatic Rich Liquid Product using Spherical Catalyst
754	EP 21197879.6	21-Sep-21	Europe	Catalytic Pyrolysis of Polystyrene into Aromatic Rich Liquid Product using Spherical Catalyst
755	US 17/481077	21-Sep-21	USA	Production of Multiple Grade De-Aromatized Solvents from Hydrocarbon Streams
756	EP 21197873.97	21-Sep-21	Europe	Production of Multiple Grade De-Aromatized Solvents from Hydrocarbon Streams
757	121430164	20-Sep-21	Saudi Arabia	Production of Multiple Grade De-Aromatized Solvents from Hydrocarbon Streams
758	1-2021-050465	21-Sep-21	Phillippines	Production of Multiple Grade De-Aromatized Solvents from Hydrocarbon Streams

759	1480/2021	20-Sep-21	Egypt	Production of Multiple Grade De-Aromatized Solvents from Hydrocarbon Streams
760	US 17/448236	21-Sep-21	USA	A Process for Molecular Separation of Hydrocarbons Using Nanopore Membranes
761	121430166	22-Sep-21	Saudi Arabia	A Process for Molecular Separation of Hydrocarbons Using Nanopore Membranes
762	US 17/448801	24-Sep-21	USA	Low Water based Bioprocessing and a Device for the Same
763	EP 21198928.0	24-Sep-21	Europe	Low Water based Bioprocessing and a Device for the Same
764	US 17/448965	27-Sep-21	USA	Production of Linear Alpha Olefins
765	EP 21198224.4	22-Sep-21	Europe	Production of Linear Alpha Olefins
766	2021-157270	28-Sep-21	Japan	Production of Linear Alpha Olefins
767	121430174	26-Sep-21	Saudi Arabia	Production of Linear Alpha Olefins
768	US 17/290629	30-Apr-21	USA	Bio-Pesticide Oil Formulation
769	EP 19879063.6	31-May-21	Europe	Bio-Pesticide Oil Formulation
770	US 17/451276	18-Oct-21	USA	PolyMET Plates with Enhanced Electrically Conductive Pathway and Lower Corrosion for Fuel Cell
771	EP 21202981.3	15-Oct-21	Europe	PolyMET Plates with Enhanced Electrically Conductive Pathway and Lower Corrosion for Fuel Cell
772	2021-169840	17-Oct-21	Japan	PolyMET Plates with Enhanced Electrically Conductive Pathway and Lower Corrosion for Fuel Cell
773	US 17/513852	28-Oct-21	USA	Unielectrogrid Lead Acid Battery and Process of Making the Same and Performance Thereof
774	EP 21205125.4	27-Oct-21	Europe	Unielectrogrid Lead Acid Battery and Process of Making the Same and Performance Thereof
775	2021-176261	28-Oct-21	Japan	Unielectrogrid Lead Acid Battery and Process of Making the Same and Performance Thereof
776	P/BD/2021/00350	26-Oct-21	Bangladesh	Unielectrogrid Lead Acid Battery and Process of Making the Same and Performance Thereof
777	US 17/520455	05-Nov-21	USA	Process for Conversion of Middle Distillates
778	EP 21205923.2	02-Nov-21	Europe	Process for Conversion of Middle Distillates
779	121430304	05-Nov-21	Saudi Arabia	Process for Conversion of Middle Distillates
780	EP 22153570.1	27-Jan-22	Europe	Process for Synthesis of Polyhydrocarbons as Heat Transfer Agents
781	US 17/587042	28-Jan-22	USA	Process for Synthesis of Polyhydrocarbons as Heat Transfer Agents
782	US 17/689865	08-Mar-22	USA	A Novel Enzymatic Phase Transfer Solvent for Co ₂ /H ₂ S Capture
783	EP 22160753.4	08-Mar-22	Europe	A Novel Enzymatic Phase Transfer Solvent for Co ₂ /H ₂ S Capture
784	P6000422/2022	08-Mar-22	UAE	A Novel Enzymatic Phase Transfer Solvent for Co ₂ /H ₂ S Capture
785	73/2022	07-Mar-22	Bahrain	A Novel Enzymatic Phase Transfer Solvent for Co ₂ /H ₂ S Capture
786	OM/P/2022/00109	07-Mar-22	Oman	A Novel Enzymatic Phase Transfer Solvent for Co ₂ /H ₂ S Capture
787	QA/202203/000157	07-Mar-22	Qatar	A Novel Enzymatic Phase Transfer Solvent for Co ₂ /H ₂ S Capture
788	122430772	07-Mar-22	Saudi Arabia	A Novel Enzymatic Phase Transfer Solvent for Co ₂ /H ₂ S Capture
789	US 17/691912	10-Mar-22	USA	An Improved Process for Second Generation Lactic Acid Production

790	2022-37046	10-Mar-22	Japan	An Improved Process for Second Generation Lactic Acid Production
791	EP 22161249.2	10-Mar-22	Europe	An Improved Process for Second Generation Lactic Acid Production
792	US 17/656445	25-Mar-22	USA	A Process for Enhancement of RON of FCC Gasoline with Simultaneous Reduction in Benzene
793	EP 22162106.3	15-Mar-22	Europe	A Process for Enhancement of RON of FCC Gasoline with Simultaneous Reduction in Benzene
794	122430833	22-Mar-22	Saudi Arabia	A Process for Enhancement of RON of FCC Gasoline with Simultaneous Reduction in Benzene
795	US 17/711308	01-Apr-22	USA	An Additive for Preventing Fouling of Thermal Cracker Furnace
796	EP 22166259.6	01-Apr-22	Europe	An Additive for Preventing Fouling of Thermal Cracker Furnace
797	122430884	01-Apr-22	Saudi Arabia	An Additive for Preventing Fouling of Thermal Cracker Furnace
798	KW-P-2022-000314	28-Mar-22	Kuwait	An Additive for Preventing Fouling of Thermal Cracker Furnace
799	OM/P/2022/00158	03-Apr-22	Oman	An Additive for Preventing Fouling of Thermal Cracker Furnace
800	US 17/657716	01-Apr-22	USA	Method and System for Smart Forward/Reverse Auctioning in Petroleum Products Trading
801	EP 22166256.2	01-Apr-22	Europe	Method and System for Smart Forward/Reverse Auctioning in Petroleum Products Trading
802	P6000590/2022	01-Apr-22	UAE	Method and System for Smart Forward/Reverse Auctioning in Petroleum Products Trading
803	SG 10202203377Q	01-Apr-22	Singapore	Method and System for Smart Forward/Reverse Auctioning in Petroleum Products Trading
804	US 17/663530	16-May-22	USA	Process for Isomerization of C5-C7 Hydrocarbons in Light Naphtha Range
805	EP 22173428.8	16-May-22	Europe	Process for Isomerization of C5-C7 Hydrocarbons in Light Naphtha Range
806	2022113345	18-May-22	Russia	Process for Isomerization of C5-C7 Hydrocarbons in Light Naphtha Range
807	US 17/748196	19-May-22	USA	Hydrocarbon Dispersible Quantum Clusters (QC):Combustion Improver for Liquid and Gaseous Fuels
808	EP 22174243.0	19-May-22	Europe	Hydrocarbon Dispersible Quantum Clusters (QC):Combustion Improver for Liquid and Gaseous Fuels
809	P/BD/2022/000176	19-May-22	Bangladesh	Hydrocarbon Dispersible Quantum Clusters (QC):Combustion Improver for Liquid and Gaseous Fuels
810	US 17/842331	16-Jun-22	USA	Additive Composition for Enhanced Stability of Oxygenated Gasoline
811	EP 22177777.4	08-Jun-22	Europe	Additive Composition for Enhanced Stability of Oxygenated Gasoline
812	US 17/809211	27-Jun-22	USA	Pre-Treatment Process for Co-Processing Bio-Crude in a Delayed Coker Unit
813	EP 22179787.1	20-Jun-22	Europe	Pre-Treatment Process for Co-Processing Bio-Crude in a Delayed Coker Unit
814	BR 10 2022012193-1	20-Jun-22	Brazil	Pre-Treatment Process for Co-Processing Bio-Crude in a Delayed Coker Unit
815	US 17/814929	26-Jul-22	USA	A Process for Multistage Hydroprocessing in a Single Reactor
816	EP 22185898.1	20-Jul-22	Europe	A Process for Multistage Hydroprocessing in a Single Reactor

817	US 17/816951	02-Aug-22	USA	A Process and Apparatus for Conversion of Waste Plastics Pyrolysis Oil into Valuable Products
818	EP 22188649.2	04-Aug-22	Europe	A Process and Apparatus for Conversion of Waste Plastics Pyrolysis Oil into Valuable Products
819	US 17/931994	14-Sep-22	USA	Bio Assisted Process for Selective Conversion of Alkane Rich Refinery Streams
820	EP 22196092.5	16-Sep-22	Europe	Bio Assisted Process for Selective Conversion of Alkane Rich Refinery Streams
821	US 17/950947	22-Sep-22	USA	Method For Producing Anode Grade Coke From Crude Oils
822	EP 22198174.9	27-Sep-22	Europe	Method For Producing Anode Grade Coke From Crude Oils
823	RU 2022124660	19-Sep-22	Russia	Method For Producing Anode Grade Coke From Crude Oils
824	P6001953-2022	23-Sep-22	UAE	Method For Producing Anode Grade Coke From Crude Oils
825	122440255	25-Sep-22	Saudi Arabia	Method For Producing Anode Grade Coke From Crude Oils
826	US 17/953459	27-Sep-22	USA	A Process for Preparation of a Catalyst for Polymerization of Olefins
827	EP 22197702.8	26-Sep-22	Europe	A Process for Preparation of a Catalyst for Polymerization of Olefins
828	JP 2022-153428	27-Sep-22	Japan	A Process for Preparation of a Catalyst for Polymerization of Olefins
829	SA 122440550	22-Sep-22	Saudi Arabia	A Process for Preparation of a Catalyst for Polymerization of Olefins
830	2017206274	03-Jan-19	Australia	A Catalyst for CO Hydrogenation to produce Synthesis Fuel
831	2019200694	23-Jan-20	Australia	Additive Composition Useful for Improved Production of Fermentable Sugars from Lignocellulose Biomass
832	2019 283783	18-Feb-21	Australia	Co-Solubilization Process for Preparing Modified Bitumen and Product Obtained Thereof
833	2872604	12-Sep-18	Austria	Process for producing various viscosity grades of Bitumen
834	2831201	14-Nov-18	Austria	An Apparatus & a Process for Fluid Catalytic Cracking
835	2591071	12-Dec-18	Austria	Upflow regeneration of FCC catalyst for multistage cracking
836	2924096	02-Jan-19	Austria	Preparation of Polymer Modified Bitumen (PMB) from Polyethylene Terephthalate (PET) derived Polyamido Amine
837	3101093	20-Mar-19	Austria	FCC Feed Injector with Improved Atomization
838	2591072	13-Mar-19	Austria	Dual Riser catalytic cracking apparatus & process for resid upgradation
839	2812386	24-Apr-19	Austria	An Environment Friendly Method for Disposal of Waste Plastics through Conversion of Polyethylene Terephthalate (PET) Polymers to Anti-Stripping Compounds
840	3089940	10-Jul-19	Austria	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
841	3404747	29-Jan-20	Austria	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof
842	2872538	11-Mar-20	Austria	Internal Donors for Ziegler Natta Catalyst Systems and process for preparing the same

843	2966099	11-Mar-20	Austria	Particle Size Distribution Control through Internal Donor in Ziegler Natta Catalyst
844	3018150	11-Mar-20	Austria	Catalyst Process for Spherical Particles
845	2897966	01-Apr-20	Austria	Organometallic compounds in solid form, process for preparing the same and use thereof
846	3284804	22-Apr-20	Austria	Production of Propylene in Fluid Catalytic Cracking Unit
847	3050906	22-Jul-20	Austria	Catalyst Process Modification and Polymerization thereof
848	3409348	22-Jul-20	Austria	Apparatus for Distribution of Catalyst in Fluidized Catalytic Cracking Unit
849	2897965	07-Oct-20	Austria	Precursor for catalyst, process for preparing the same and use thereof
850	3165586	16-Dec-20	Austria	Production of High Yield of Syngas through Regeneration of Coked Upgrading Agent
851	3165588	07-Jul-21	Austria	Process for Production of High Quality Syngas through Regeneration of Coked Up gradation Agent
852	1703	20-Dec-21	Bahrain	Bio-inoculant and use thereof for treatment of effluent
853	10066329	29-Nov-21	Bangladesh	Novel Composition of High Performance Bearing Oil for Steel Plants
854	BE 2051784	29-Apr-15	Belgium	A method for Bio-Assisted treatment of oil contaminated soil containing water
855	2591081	07-Mar-18	Belgium	Process for the Removal of Metals from Oils / Fats
856	3078640	27-Feb-19	Belgium	Bio-conversion of Refinery Waste Streams
857	3112442	10-Apr-19	Belgium	Bio-assisted Process for Treatment and Regeneration of Spent caustic
858	3089940	10-Jul-19	Belgium	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
859	3404747	29-Jan-20	Belgium	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof
860	3536764	01-Sep-21	Belgium	Assorted Co-Staging and Counter Staging in Hydrotreating
861	BR 10 2014 028414-1	11-Feb-20	Brazil	Thermal Cracking Additive Compositions for reduction of Coke Yield in Delayed Coking Process
862	BR 10 2014 026743-3	04-Feb-20	Brazil	An Improved Delayed Coking Process
863	BR 11 2012 024895-2	24-Mar-20	Brazil	Method and Apparatus for Catalytic Cracking
864	BR 10 2015 006944-8	19-May-20	Brazil	A Liquid Phase Additive for use in Thermal Cracking Process to improve Product Yields
865	BR 11 2014 008741-5	29-Sep-20	Brazil	Process for Reduction of Sulfur in FCC Liquid Products Through the Use of CO as a Reducing Agent
866	BR 11 2015 002639-7	01-Dec-20	Brazil	Adsorbent for removal of con-carbon and contaminated metals present in Hydrocarbon Feed
867	BR 11 2015 001343-0	11-May-21	Brazil	Catalyst composition for fluid catalytic cracking, process for preparing the same and use thereof
868	BR10 2016 028978-5	19-Oct-21	Brazil	Method of Pretreatment for enhanced Enzymatic Hydrolysis
869	BR 10 2014 032691-0	01-Dec-21	Brazil	A Process for the preparation of CO Promoter and improvement thereof
870	CA 2795117	20-Sep-16	Canada	Method and Apparatus for Catalytic Cracking

871	2974159	13-Aug-19	Canada	A Catalyst for CO Hydrogenation to Produce Synthesis Fuel
872	2795120	08-Oct-19	Canada	A Process for Simultaneous Cracking of Lighter and Heavier Hydrocarbon Feed and System for the Same
873	2829333	31-Aug-21	Canada	A Method and Hardware for Supplying Additives to the Delayed Coker Drum
874	5839335	31-Jan-22	Canada	PolyMET Plates with Enhanced Electrically Conductive Pathway and Lower Corrosion for Fuel Cell
875	3022405	15-Mar-22	Canada	Two Stage Thermal Cracking Process with Multistage Separation System
876	ZL 201080020809.0	13-May-15	CHINA	A Fluidized Catalytic Cracking Process
877	ZL 2011 80037630.0	02-Dec-15	CHINA	Metal Passivator Additive and Process for Preparng
878	ZL 2011 80033663.8	01-Apr-15	CHINA	A Value Added Spent FCC Catalyst Composition & its Process of preparation
879	CN 20138003 7613.6	07-Nov-17	China	Internal Donors for Ziegler Nata Catalyst Systems and process for preparing the same
880	ZL 2013 80043619.4	18-Jul-17	China	Precursor for catalyst, process for preparing the same and use thereof
881	ZL 20138004 3620.7	16-Mar-18	China	Organometallic Compounds in Solid Form, Process for Preparing the Same and Use thereof
882	CN 20138004 3876.8	24-Oct-17	China	Catalyst for Polymerization of Olefins and Process Thereof
883	ZL 2014 10858441.5	13-Feb-18	China	Method and System for Testing and Evaluating Heat Transfer Elements at High Temperature Operations
884	ZL 2018 102208869	05-Mar-21	China	External Donor for Olefin Polymerization
885	ZL 2018 11300081.1	25-Jan-22	China	Photo Electrodes for Hydrogen Generation and Module Thereof
886	CN 110172019	04-Mar-22	China	Metal Salts of Malonic Acid as Nucleating Additives for Crystalline Thermoplastics
887	3118641	09-May-18	Czech Republic	A Modified Giant Impedance (GMI) based Sensing Device for Detection of Carburisation in Austenitic Stainless Steel
888	DK 1957118	19-Jun-13	Denmark	Method for Bio-Oxidative desulfurization of liquid hydrocarbon fuels
889	DK 2051784	29-Apr-15	Denmark	A method for Bio-Assisted treatment of oil contaminated soil containing water
890	3461876	12-Aug-20	Denmark	Reactor System for Upgrading Heavy Hydro-Carbonaceous Material
891	3536764	01-Sep-21	Denmark	Assorted Co-Staging and Counter Staging in Hydrotreating
892	2872538	11-Mar-20	Finland	Internal Donors for Ziegler Nata Catalyst Systems and process for preparing the same
893	2966099	11-Mar-20	Finland	Particle Size Distribution Control through Internal Donor in Ziegler Natta Catalyst
894	3018150	11-Mar-20	Finland	Catalyst Process for Spherical Particles
895	2897966	01-Apr-20	Finland	Organometallic compounds in solid form, process for preparing the same and use thereof
896	3543343	29-Apr-20	Finland	Improved Method for Second Generation Ethanol Production from Lignocellulosic Biomass
897	3050906	22-Jul-20	Finland	Catalyst Process Modification and Polymerization thereof
898	2897965	07-Oct-20	Finland	Precursor for catalyst, process for preparing the same and use thereof

899	3078640	27-Feb-19	France	Bio-conversion of Refinery Waste Streams
900	3099662	29-Aug-18	France	Single Pot Synthesis of Dialkyl Carbonates using Catalyst from Natural Resource
901	2872604	12-Sep-18	France	Process for producing various viscosity grades of Bitumen
902	2949636	09-May-18	France	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
903	3118641	09-May-18	France	A Modified Giant Impedance (GMI) based Sensing Device for Detection of Carburisation in Austenitic Stainless Steel
904	3135749	06-Jun-18	France	Catalyst and Process for Conversion of Vacuum Resid to Middle Distillates
905	France 2904248	18-Jun-10	France	A Method For Bio-Assisted Treatment Of Oil Contaminated Soil Containing Water
906	France 1957118	19-Jun-13	France	Method for Bio-Oxidative desulfurization of liquid hydrocarbon fuels
907	2591081	07-Mar-18	France	Process for the Removal of Metals from Oils / Fats
908	2890646	14-Sep-16	France	Bio-inoculant and use thereof for treatment of effluent
909	3112442	10-Apr-19	France	Bio-assisted Process for Treatment and Regeneration of Spent caustic
910	3089940	10-Jul-19	France	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
911	3404747	29-Jan-20	France	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof
912	2872538	11-Mar-20	France	Internal Donors for Ziegler Natta Catalyst Systems and process for preparing the same
913	2966099	11-Mar-20	France	Particle Size Distribution Control through Internal Donor in Ziegler Natta Catalyst
914	3018150	11-Mar-20	France	Catalyst Process for Spherical Particles
915	2897966	01-Apr-20	France	Organometallic compounds in solid form, process for preparing the same and use thereof
916	3456868	15-Jul-20	France	Corrosion Inhibitor Composition for Pipelines
917	3050906	22-Jul-20	France	Catalyst Process Modification and Polymerization thereof
918	3461876	12-Aug-20	France	Reactor System for Upgrading Heavy Hydro-Carbonaceous Material
919	2897965	07-Oct-20	France	Precursor for catalyst, process for preparing the same and use thereof
920	3502212	23-Dec-20	France	Two Stage Thermal Cracking Process with Multistage Separation System
921	3514217	06-Jan-21	France	A Process for Conversion of High Acidic Crude Oils
922	3620225	01-Apr-21	France	Process for CO2 Capture from Gaseous Streams
923	2640811	14-Jul-21	France	A Process for Desulfurization of Diesel with reduced Hydrogen Consumption
924	3530718	21-Jul-21	France	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas

925	2889354	11-Aug-21	France	Test Set-up & Method for Evaluation of Heat Transfer Fluid at High Temperatures for Solar Thermal Applications
926	3536764	01-Sep-21	France	Assorted Co-Staging and Counter Staging in Hydrotreating
927	3527550	01-Sep-21	France	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
928	3480341	01-Dec-21	France	Photo Electrodes for Hydrogen Generation and Module Thereof
929	3078640	27-Feb-19	GB	Bio-conversion of Refinery Waste Streams
930	2872604	12-Sep-18	GB	Process for producing various viscosity grades of Bitumen
931	2949636	09-May-18	GB	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
932	3118641	09-May-18	GB	A Modified Giant Impedance (GMI) based Sensing Device for Detection of Carburisation in Austenitic Stainless Steel
933	GB 2415434	08-Oct-08	GB	Process For Production Of Needle Coke
934	GB 1957118	19-Jun-13	GB	Method for Bio-Oxidative desulfurization of liquid hydrocarbon fuels
935	2890646	14-Sep-16	GB	Bio-inoculant and use thereof for treatment of effluent
936	2569400	17-Jan-18	GB	Two Stage Gasifier for Generating Syngas
937	3112442	10-Apr-19	GB	Bio-assisted Process for Treatment and Regeneration of Spent caustic
938	3089940	10-Jul-19	GB	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
939	2591073	03-Jul-19	GB	Two stage fluid catalytic cracking apparatus & process for production of different hydrocarbons
940	3404747	29-Jan-20	GB	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof
941	2872538	11-Mar-20	GB	Internal Donors for Ziegler Natta Catalyst Systems and process for preparing the same
942	2966099	11-Mar-20	GB	Particle Size Distribution Control through Internal Donor in Ziegler Natta Catalyst
943	3018150	11-Mar-20	GB	Catalyst Process for Spherical Particles
944	2897966	01-Apr-20	GB	Organometallic compounds in solid form, process for preparing the same and use thereof
945	3466894	13-May-20	GB	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
946	2873713	01-Jul-20	GB	Thermal Cracking Additive Compositions for reduction of Coke Yield in Delayed Coking Process
947	3456868	15-Jul-20	GB	Corrosion Inhibitor Composition for Pipelines
948	3050906	22-Jul-20	GB	Catalyst Process Modification and Polymerization thereof
949	2897965	07-Oct-20	GB	Precursor for catalyst, process for preparing the same and use thereof
950	3502212	23-Dec-20	GB	Two Stage Thermal Cracking Process with Multistage Separation System
951	3514217	06-Jan-21	GB	A Process for Conversion of High Acidic Crude Oils

952	3404085	17-Feb-21	GB	Process for Insitu Synthesis of Dispersion ZnO-TiO ₂ nanoparticles in Oil
953	3620225	01-Apr-21	GB	Process for CO ₂ Capture from Gaseous Streams
954	3530718	21-Jul-21	GB	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
955	3527550	01-Sep-21	GB	Process for Etherification of Mixed Olefinic Light Naphtha and Simultaneous Reduction of Methanol in the Product
956	2940104	05-Jan-22	GB	A Liquid Phase Additive for use in Thermal Cracking Process to improve Product Yields
957	3078640	27-Feb-19	Germany	Bio-conversion of Refinery Waste Streams
958	3101093	20-Mar-19	Germany	FCC Feed Injector with Improved Atomization
959	2591072	13-Mar-19	Germany	Dual Riser catalytic cracking apparatus & process for resid upgradation
960	2924096	02-Jan-19	Germany	Preparation of Polymer Modified Bitumen (PMB) from Polyethylene Terephthalate (PET) derived Polyamido Amine
961	2990463	11-Jul-18	Germany	A Catalyst Composition for Catalytic Cracking a Process of Preparation thereof
962	3165585	18-Jul-18	Germany	Process of Up gradation of Residual Oil Feedstock
963	3099662	29-Aug-18	Germany	Single Pot Synthesis of Dialkyl Carbonates using Catalyst from Natural Resource
964	3162819	05-Sep-18	Germany	Improved Ziegler Natta Catalyst and Process thereof
965	2872604	12-Sep-18	Germany	Process for producing various viscosity grades of Bitumen
966	2949636	09-May-18	Germany	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
967	3118641	09-May-18	Germany	A Modified Giant Impedance (GMI) based Sensing Device for Detection of Carburisation in Austenitic Stainless Steel
968	DE 10 2004 035 934.2	14-Sep-06	Germany	Process For Production Of Needle Coke
969	DE 1957118	19-Jun-13	Germany	Method for Bio-Oxidative desulfurization of liquid hydrocarbon fuels
970	DE 2051784	29-Apr-15	Germany	A method for Bio-Assisted treatment of oil contaminated soil containing water
971	2569400	17-Jan-18	Germany	Two Stage Gasifier for Generating Syngas
972	2591081	07-Mar-18	Germany	Process for the Removal of Metals from Oils / Fats
973	2890646	14-Sep-16	Germany	Bio-inoculant and use thereof for treatment of effluent
974	2897985	08-Mar-17	Germany	Catalyst for Polymerization of Olefins and Process Thereof
975	3059261	03-Oct-18	Germany	Catalyst for Olefin Polymerization and Polymerization thereof
976	2831201	14-Nov-18	Germany	An Apparatus & a Process for Fluid Catalytic Cracking
977	2591071	12-Dec-18	Germany	Upflow regeneration of FCC catalyst for multistage cracking
978	3112442	10-Apr-19	Germany	Bio-assisted Process for Treatment and Regeneration of Spent caustic

979	2812386	24-Apr-19	Germany	An Environment Friendly Method for Disposal of Waste Plastics through Conversion of Polyethylene Terephthalate (PET) Polymers to Anti-Stripping Compounds
980	3089940	10-Jul-19	Germany	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
981	2591073	03-Jul-19	Germany	Two stage fluid catalytic cracking apparatus & process for production of different hydrocarbons
982	3404747	29-Jan-20	Germany	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof
983	2872538	11-Mar-20	Germany	Internal Donors for Ziegler Natta Catalyst Systems and process for preparing the same
984	2966099	11-Mar-20	Germany	Particle Size Distribution Control through Internal Donor in Ziegler Natta Catalyst
985	3018150	11-Mar-20	Germany	Catalyst Process for Spherical Particles
986	2897966	01-Apr-20	Germany	Organometallic compounds in solid form, process for preparing the same and use thereof
987	3543343	29-Apr-20	Germany	Improved Method for Second Generation Ethanol Production from Lignocellulosic Biomass
988	3284804	22-Apr-20	Germany	Production of Propylene in Fluid Catalytic Cracking Unit
989	3466894	13-May-20	Germany	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
990	2873713	01-Jul-20	Germany	Thermal Cracking Additive Compositions for reduction of Coke Yield in Delayed Coking Process
991	3456868	15-Jul-20	Germany	Corrosion Inhibitor Composition for Pipelines
992	3050906	22-Jul-20	Germany	Catalyst Process Modification and Polymerization thereof
993	3409348	22-Jul-20	Germany	Apparatus for Distribution of Catalyst in Fluidized Catalytic Cracking Unit
994	2897965	07-Oct-20	Germany	Precursor for catalyst, process for preparing the same and use thereof
995	3135748	14-Oct-20	Germany	A Composition and a Process for the Preparation of Attrition Resistant Cracking Catalyst suitable for enhancing light olefins
996	3165586	16-Dec-20	Germany	Production of High Yield of Syngas through Regeneration of Coked Upgrading Agent
997	3502212	23-Dec-20	Germany	Two Stage Thermal Cracking Process with Multistage Separation System
998	3514217	06-Jan-21	Germany	A Process for Conversion of High Acidic Crude Oils
999	3546586	17-Feb-21	Germany	Bio-Assisted Process for Conversion of Mixed Volatile Fatty Acids to Selective Drop-in-Fuels
1000	3404085	17-Feb-21	Germany	Process for Insitu Synthesis of Dispersion ZnO-TiO ₂ nanoparticles in Oil
1001	3071325	03-Mar-21	Germany	A Catalyst for Enhancing Liquid Yield in Thermal Cracking Process
1002	3165588	07-Jul-21	Germany	Process for Production of High Quality Syngas through Regeneration of Coked Up gradation Agent
1003	3530718	21-Jul-21	Germany	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas

1004	2877281	18-Aug-21	Germany	Catalyst composition for fluid catalytic cracking, process for preparing the same and use thereof
1005	3527550	01-Sep-21	Germany	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
1006	3722392	01-Sep-21	Germany	Process for production of Anisotropic Coke
1007	2576050	10-Nov-21	Germany	Metal Passivator Additive and Process for Preparng
1008	2940104	05-Jan-22	Germany	A Liquid Phase Additive for use in Thermal Cracking Process to improve Product Yields
1009	5837	22-Oct-21	Ghana	Marine Cylinder Lubricant for Scuffing Control
1010	IDP000046157	02-Jun-17	Indonesia	Bioremediation of acidic sludge
1011	PID 2019 01876	19-Jan-22	Indonesia	Novel Composition of High Performance Bearing Oil for Steel Plants
1012	3101093	20-Mar-19	Italy	FCC Feed Injector with Improved Atomization
1013	2591072	13-Mar-19	Italy	Dual Riser catalytic cracking apparatus & process for resid upgradation
1014	2990463	11-Jul-18	Italy	A Catalyst Composition for Catalytic Cracking a Process of Preparation thereof
1015	3165585	18-Jul-18	Italy	Process of Up gradation of Residual Oil Feedstock
1016	3162819	05-Sep-18	Italy	Improved Ziegler Natta Catalyst and Process thereof
1017	2949636	09-May-18	Italy	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
1018	3135749	06-Jun-18	Italy	Catalyst and Process for Conversion of Vacuum Resid to Middle Distillates
1019	2897985	08-Mar-17	Italy	Catalyst for Polymerization of Olefins and Process Thereof
1020	3059261	03-Oct-18	Italy	Catalyst for Olefin Polymerization and Polymerization thereof
1021	2831201	14-Nov-18	Italy	An Apparatus & a Process for Fluid Catalytic Cracking
1022	2591071	12-Dec-18	Italy	Upflow regeneration of FCC catalyst for multistage cracking
1023	3089940	10-Jul-19	Italy	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
1024	2591073	03-Jul-19	Italy	Two stage fluid catalytic cracking apparatus & process for production of different hydrocarbons
1025	3404747	29-Jan-20	Italy	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof
1026	2872538	11-Mar-20	Italy	Internal Donors for Ziegler Nata Catalyst Systems and process for preparing the same
1027	2966099	11-Mar-20	Italy	Particle Size Distribution Control through Internal Donor in Ziegler Natta Catalyst
1028	3018150	11-Mar-20	Italy	Catalyst Process for Spherical Particles
1029	2897966	01-Apr-20	Italy	Organometallic compounds in solid form, process for preparing the same and use thereof
1030	3284804	22-Apr-20	Italy	Production of Propylene in Fluid Catalytic Cracking Unit
1031	3050906	22-Jul-20	Italy	Catalyst Process Modification and Polymerization thereof
1032	3409348	22-Jul-20	Italy	Apparatus for Distribution of Catalyst in Fluidized Catalytic Cracking Unit

1033	3461876	12-Aug-20	Italy	Reactor System for Upgrading Heavy Hydro-Carbonaceous Material
1034	2897965	07-Oct-20	Italy	Precursor for catalyst, process for preparing the same and use thereof
1035	3165586	16-Dec-20	Italy	Production of High Yield of Syngas through Regeneration of Coked Upgrading Agent
1036	3546586	17-Feb-21	Italy	Bio-Assisted Process for Conversion of Mixed Volatile Fatty Acids to Selective Drop-in-Fuels
1037	3165588	07-Jul-21	Italy	Process for Production of High Quality Syngas through Regeneration of Coked Up gradation Agent
1038	2889354	11-Aug-21	Italy	Test Set-up & Method for Evaluation of Heat Transfer Fluid at High Temperatures for Solar Thermal Applications
1039	3527550	01-Sep-21	Italy	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
1040	3722392	01-Sep-21	Italy	Process for production of Anisotropic Coke
1041	3480341	01-Dec-21	Italy	Photo Electrodes for Hydrogen Generation and Module Thereof
1042	5983973	12-Aug-16	Japan	Preparation of Polymer Modified Bitumen (PMB) from Polyethylene Terephthalate (PET) derived Polyamido Amine
1043	5909817	08-Apr-16	Japan	Internal Donors for Ziegler Nata Catalyst Systems and process for preparing the same
1044	5984173	12-Aug-16	Japan	Catalyst for Polymerization of Olefins and Process Thereof
1045	6026661	21-Oct-16	Japan	Precursor for catalyst, process for preparing the same and use thereof
1046	6026662	21-Oct-16	Japan	Organometallic compounds in solid form, process for preparing the same and use thereof
1047	6143898	19-May-17	Japan	Catalyst Process Modification and Polymerization thereof
1048	6258983	15-Dec-17	Japan	Thraustochytrid based Process for Treating Waste Effluent
1049	6333899	11-May-18	Japan	Process for Production of High Quality Syngas through Regeneration of Coked Up gradation Agent
1050	6293222	23-Feb-18	Japan	Production of High Yield of Syngas through Regeneration of Coked Upgrading Agent
1051	6282299	02-Feb-18	Japan	Catalyst for Olefin Polymerization and Polymerization thereof
1052	6357202	22-Jun-18	Japan	Delayed Coking Process with Pre-cracking Reactor
1053	6374513	27-Jul-18	Japan	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
1054	6484593	22-Feb-19	Japan	Up gradation of Residue Feedstock
1055	6672427	06-Mar-20	Japan	Two Stage Thermal Cracking Process with Multistage Separation System
1056	6732824	10-Jul-20	Japan	External Donor for Olefin Polymerization
1057	6778707	14-Oct-20	Japan	Multimetal Composition for production of Morphology Controlled Carbon Nanotube and process thereof
1058	6823784	14-Jan-21	Japan	Photo Electrodes for Hydrogen Generation and Module Thereof

1059	6900526	18-Jun-21	Japan	External Donor for Olefin Polymerization (Divisional Application to 2018-041961)
1060	6916161	19-Jul-21	Japan	Metal Salts of Malonic Acid as Nucleating Additives for Crystalline Thermoplastics
1061	6918999	27-Jul-21	Japan	Integrated Process for Ethanol Separation from Fermented Broth for Low Temperature Applications
1062	7033096	01-Mar-22	Japan	Bio-Assisted Process for Conversion of Solar Energy to Fuels and Hydrocarbons
1063	AP 2824 (Kenya)	22-Jan-14	Kenya	Composition of Agricultural Spray Oil
1064	5837	22-Oct-21	Kenya	Marine Cylinder Lubricant for Scuffing Control
1065	5837	22-Oct-21	Liberia	Marine Cylinder Lubricant for Scuffing Control
1066	AP 2824 (Malawi)	22-Jan-14	Malawi	Composition of Agricultural Spray Oil
1067	MY-151168-A	30-Apr-14	Malaysia	Lubricity improving additive composition for low sulphur diesel fuel
1068	MY-185308-A	03-May-21	Malaysia	Corrosion Inhibitor Composition for Pipelines
1069	MY-184257-A	29-Mar-21	Malaysia	Novel Synthetic Fuel & method of preparation thereof
1070	MY-187317-A	21-Sep-21	Malaysia	Apparatus and Method for Converting Liquid Stream into Fine Droplets
1071	5837	22-Oct-21	Mozambique	Marine Cylinder Lubricant for Scuffing Control
1072	5837	22-Oct-21	Namibia	Marine Cylinder Lubricant for Scuffing Control
1073	2877281	18-Aug-21	Netherlands	Catalyst composition for fluid catalytic cracking, process for preparing the same and use thereof
1074	3078640	27-Feb-19	Netherland	Bio-conversion of Refinery Waste Streams
1075	2519341	03-Jan-18	Netherland	Feed Nozzle Assembly
1076	2949636	09-May-18	Netherland	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
1077	3135749	06-Jun-18	Netherland	Catalyst and Process for Conversion of Vacuum Resid to Middle Distillates
1078	NL 1957118	19-Jun-13	Netherland	Method for Bio-Oxidative desulfurization of liquid hydrocarbon fuels
1079	2998020	08-Nov-17	Netherland	Fluid Catalytic Cracking Additive Composition and Process for Preparing Thereof
1080	3112442	10-Apr-19	Netherland	Bio-assisted Process for Treatment and Regeneration of Spent caustic
1081	3089940	10-Jul-19	Netherland	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
1082	3404747	29-Jan-20	Netherland	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof
1083	2872538	11-Mar-20	Netherland	Internal Donors for Ziegler Natta Catalyst Systems and process for preparing the same
1084	2966099	11-Mar-20	Netherland	Particle Size Distribution Control through Internal Donor in Ziegler Natta Catalyst
1085	3018150	11-Mar-20	Netherland	Catalyst Process for Spherical Particles
1086	2897966	01-Apr-20	Netherland	Organometallic compounds in solid form, process for preparing the same and use thereof
1087	3466894	13-May-20	Netherland	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
1088	3050906	22-Jul-20	Netherland	Catalyst Process Modification and Polymerization thereof
1089	3461876	12-Aug-20	Netherland	Reactor System for Upgrading Heavy Hydro-Carbonaceous Material

1090	2897965	07-Oct-20	Netherland	Precursor for catalyst, process for preparing the same and use thereof
1091	3135748	14-Oct-20	Netherland	A Composition and a Process for the Preparation of Attrition Resistant Cracking Catalyst suitable for enhancing light olefins
1092	3514217	06-Jan-21	Netherland	A Process for Conversion of High Acidic Crude Oils
1093	3546586	17-Feb-21	Netherland	Bio-Assisted Process for Conversion of Mixed Volatile Fatty Acids to Selective Drop-in-Fuels
1094	3071325	03-Mar-21	Netherland	A Catalyst for Enhancing Liquid Yield in Thermal Cracking Process
1095	2640811	14-Jul-21	Netherland	A Process for Desulfurization of Diesel with reduced Hydrogen Consumption
1096	3530718	21-Jul-21	Netherland	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
1097	3536764	01-Sep-21	Netherland	Assorted Co-Staging and Counter Staging in Hydrotreating
1098	3527550	01-Sep-21	Netherland	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
1099	2576050	10-Nov-21	Netherland	Metal Passivator Additive and Process for Preparng
1100	11407	05-Dec-18	Nigeria	Two Stage Thermal Cracking Process with Multistage Separation System
1101	11408	05-Dec-18	Nigeria	An Integrated Fluid Catalytic Cracking and Oxidative Propane Dehydrogenation Process
1102	10433	05-Aug-19	Nigeria	A Process for Conversion of High Acidic Crude Oils
1103	10436	05-Aug-19	Nigeria	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
1104	10434	05-Aug-19	Nigeria	Assorted Co-Staging and Counter Staging in Hydrotreating
1105	10435	05-Aug-19	Nigeria	Efficient Bi-Inorganic System for Treatment of Sulphidic Waste Water Streams containing other Contaminants
1106	10445	05-Aug-19	Nigeria	Apparatus for Gas-Liquid Distribution in Hydroprocessing Reactors
1107	6194	05-Aug-19	Nigeria	A Catalyst Composition for Conversion of Alkanes to Alkenes and Method of Preparation Thereof
1108	10470	05-Aug-19	Nigeria	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
1109	10349	03-Jul-19	Nigeria	Process for Production of Petrochemicals from Cracked Streams
1110	NG/PT/C/2019/3770	26-Nov-19	Nigeria	Method of Making Hydrocarbon Soluble Metal Compositions
1111	NG/PT/C/2019/3762	26-Nov-19	Nigeria	A Process for Production of Superior Quality Coke
1112	6242	01-Apr-21	Nigeria	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
1113	6197	01-Apr-21	Nigeria	Process for production of Anisotropic Coke

1114	6223	01-Apr-21	Nigeria	Inlet Diffuser for Fixed-Bed Hydroprocessing Reactors
1115	7910	12-Aug-21	Nigeria	Quench-box Assembly for Hydroprocessing Reactors
1116	NG/PT/C/2021/5379	27-Sep-21	Nigeria	Bio-assisted Treatment of Microbiologically Influenced Corrosion in Petroleum Transporting Pipelines
1117	NG/PT/C/2021/5397	27-Sep-21	Nigeria	Method for Measuring Internal Geometry of a Pipeline
1118	NG/PT/C/2021/5313	28-Oct-21	Nigeria	Microbicide Composition and Method for Mitigating Internal Microbiological Influenced Corrosion in Petroleum Transporting Pipelines
1119	1243	13-May-18	Oman	Bio-inoculant and use thereof for treatment of effluent
1120	372	04-Feb-21	Oman	A Process for Production of C3 Olefins in a Fluid Catalytic Cracking Unit
1121	3101093	20-Mar-19	Romania	FCC Feed Injector with Improved Atomization
1122	2591072	13-Mar-19	Romania	Dual Riser catalytic cracking apparatus & process for resid upgradation
1123	2831201	14-Nov-18	Romania	An Apparatus & a Process for Fluid Catalytic Cracking
1124	2591071	12-Dec-18	Romania	Upflow regeneration of FCC catalyst for multistage cracking
1125	3543343	29-Apr-20	Romania	Improved Method for Second Generation Ethanol Production from Lignocellulosic Biomass
1126	3284804	22-Apr-20	Romania	Production of Propylene in Fluid Catalytic Cracking Unit
1127	3409348	22-Jul-20	Romania	Apparatus for Distribution of Catalyst in Fluidized Catalytic Cracking Unit
1128	3165586	16-Dec-20	Romania	Production of High Yield of Syngas through Regeneration of Coked Upgrading Agent
1129	3165588	07-Jul-21	Romania	Process for Production of High Quality Syngas through Regeneration of Coked Up gradation Agent
1130	3480341	01-Dec-21	Romania	Photo Electrodes for Hydrogen Generation and Module Thereof
1131	RUSSIA 2402495	27-Oct-10	RUSSIA	A method of remediation of acidic sludge (variants)
1132	2573562	21-Dec-15	Russia	A process for production of C3 olefins in a fluid catalytic cracking unit
1133	2607943	11-Jan-17	Russia	Internal Donors for Ziegler Natta Catalyst Systems and process for preparing the same
1134	2623228	23-Jun-17	Russia	Precursor for catalyst, process for preparing the same and use thereof
1135	2615128	04-Apr-17	Russia	Organometallic compounds in solid form, process for preparing the same and use thereof
1136	2615153	04-Apr-17	Russia	Catalyst for Polymerization of Olefins and Process Thereof
1137	2650925	18-Apr-18	Russia	Delayed Coking Process with Pre-cracking Reactor
1138	2645713	28-Feb-18	Russia	Process of Preparation of Drag Reducing Polymers and use thereof
1139	2676039	25-Dec-18	Russia	Apparatus and Method for Converting Liquid Stream into Fine Droplets
1140	2673879	03-Dec-18	Russia	Production of Propylene in Fluid Catalytic Cracking Unit
1141	2683642	01-Apr-19	Russia	Process for Conversion of Residue Employing De-Asphalting and Delayed Coking

1142	2689634	28-May-19	Russia	Two Stage Thermal Cracking Process with Multistage Separation System
1143	2692246	24-Jun-19	Russia	External Donor for Olefin Polymerization
1144	2700710	19-Sep-19	Russia	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
1145	2702895	14-Oct-19	Russia	An Integrated Fluid Catalytic Cracking and Oxidative Propane Dehydrogenation Process
1146	2706426	19-Nov-19	Russia	A Process for Conversion of High Acidic Crude Oils
1147	2705574	08-Nov-19	Russia	A Catalyst Composition for Conversion of Alkanes to Alkenes and Method of Preparation Thereof
1148	2719995	23-Apr-20	Russia	A Process for Production of Superior Quality Coke
1149	2724902	26-Jun-20	Russia	Highly Active Catalyst for Dehydrogenation of Alkanes and Method of Preparation Thereof
1150	2734393	15-Oct-20	Russia	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
1151	2754146	30-Aug-21	Russia	Fluid Catalytic Cracking Additive Composition for Enhancing Gasoline Octane Barrel and a Process of Preparation Thereof
1152	2759004	08-Nov-21	Russia	Process for Preparation of Ethylene Oligomerization Catalyst and Oligomerization thereof
1153	2766508	15-Mar-22	Russia	Process Configuration for Improving Production of Petrochemical Feedstocks
1154	2766503	15-Mar-22	Russia	Bio-assisted Treatment of Microbiologically Influenced Corrosion in Petroleum Transporting Pipelines
1155	5472	27-Jul-17	Saudi Arabia	A Process for Production of Oligomer Product from Hydrocarbon Feedstock
1156	5792	11-Mar-18	Saudi Arabia	Catalyst for Olefin Polymerization and Polymerization thereof
1157	4827	19-May-16	Saudi Arabia	Bio-inoculant and use thereof for treatment of effluent
1158	SA 4895	23-Jun-16	Saudi Arabia	Catalyst for Polymerization of Olefins and Process Thereof
1159	5014	21-Aug-16	Saudi Arabia	Organometallic compounds in solid form, process for preparing the same and use thereof
1160	5782	04-Mar-18	Saudi Arabia	Particle Size Distribution Control through Internal Donor in Ziegler Natta Catalyst
1161	6037	31-Jul-18	Saudi Arabia	Fluid Catalytic Cracking Additive Composition and Process for Preparing Thereof
1162	6038	31-Jul-18	Saudi Arabia	A Catalyst Composition for Catalytic Cracking a Process of Preparation thereof Process
1163	5899	09-May-18	Saudi Arabia	Bio-conversion of Refinery Waste Streams
1164	6396	04-Apr-19	Saudi Arabia	Organometallic compounds in solid form, process for preparing the same and use thereof (Divisional Application)
1165	6389	31-Mar-19	Saudi Arabia	Bio-assisted Process for Treatment and Regeneration of Spent caustic
1166	6510	10-Jun-19	Saudi Arabia	Process of Preparation of Drag Reducing Polymers and use thereof

1167	6750	02-Feb-20	Saudi Arabia	Process and Composition for preparation of Cracking Catalyst suitable for enhancing LPG
1168	6691	24-Oct-19	Saudi Arabia	Process and composition for preparation of cracking catalyst suitable for enhancing yields of light olefins
1169	7526	02-Feb-21	Saudi Arabia	Catalyst Process Modification and Polymerization thereof
1170	7922	29-Apr-21	Saudi Arabia	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
1171	7919	29-Apr-21	Saudi Arabia	External Donor for Olefin Polymerization
1172	8155	17-Jun-21	Saudi Arabia	Cracking Catalyst Composition of Heavy Hydrocarbon Feedstocks and Process for Preparing the Same
1173	8426	12-Aug-21	Saudi Arabia	Composition & Process for Preparation of Attrition Resistant Additive suitable fo Cracking Hydrocarbon Feed
1174	8427	12-Aug-21	Saudi Arabia	A Device and method for convversion of carbon dioxide to fuels and chemicals
1175	8458	20-Aug-21	Saudi Arabia	A Composition and a Process for the Preparation of Attrition Resistant Cracking Catalyst suitable for enhancing light olefins
1176	8814	19-Oct-21	Saudi Arabia	A Process for Conversion of High Acidic Crude Oils
1177	8759	11-Oct-21	Saudi Arabia	Two Stage Thermal Cracking Process with Multistage Separation System
1178	8829	24-Oct-21	Saudi Arabia	Energy Efficient Hydraulic Oil Composition
1179	9008	06-Dec-21	Saudi Arabia	Apparatus for Gas-Liquid Distribution in Hydroprocessing Reactors
1180	9132	21-Dec-21	Saudi Arabia	A Process for Bio-sludge Reduction in Hydrocarbon Refinery Effluent Treatment Plant through Microbial Interventions
1181	8786	16-Oct-21	Saudi Arabia	Process for Etherification of Mixed Olefinic Light Naohtha and Simultaneous Reduction of Methanol in the Product
1182	9017	08-Dec-21	Saudi Arabia	An Integrated Fluid Catalytic Cracking and Oxidative Propane Dehydrogenation Process
1183	9054	13-Dec-21	Saudi Arabia	Efficient Bi-Inorganic System for Treatment of Sulphidic Waste Water Streams containing other Contaminants
1184	9134	21-Dec-21	Saudi Arabia	Production of Propylene in Fluid Catalytic Cracking Unit
1185	9244	17-Jan-22	Saudi Arabia	Process for Confined Bioremediation of Hydrocarbon Sludge
1186	5837	22-Oct-21	Sierra Leone	Marine Cylinder Lubricant for Scuffing Control
1187	SINGAPORE 127410	31-Aug-09	SINGAPORE	Lubricity Improving Additive Composition For Low Sulphur Diesel Fuel
1188	SINGAPORE 150424	11-Mar-11	SINGAPORE	Novel Synthetic Fuel & Method Of Preparation Thereof
1189	2012/08157	26-Jun-13	South Africa	Method and Apparatus for Catalytic Cracking
1190	2012/08158	26-Jun-13	South Africa	A Process for simultaneous cracking of lighter and heavier hydrocarbon feed and system for the same
1191	2013/07425	29-Apr-15	South Africa	Bio-augmentation composition and use thereof for improving efficiency of effluent treatment plant /hydrocarbon processing plant

1192	2014/02328	29-Apr-15	South Africa	A process for enhancing nickel tolerance of heavy hydrocarbon cracking catalysts
1193	2014/02329	25-Mar-15	South Africa	A process for production of C3 olefins in a fluid catalytic cracking unit
1194	2014/02330	25-Mar-15	South Africa	Novel adsorbent for removal of sulphur from diesel & gasoline like fuels & process for preparing the same
1195	2014/02812	29-Apr-15	South Africa	Process for reduction of sulfur in FCC liquid products through the use of CO as a reducing agent
1196	2014/04476	25-Nov-15	South Africa	A Bio-assisted process for conversion of Carbon Dioxide to fuels and Hydrocarbons
1197	2015/01503	27-Jan-16	South Africa	Bio-inoculant and use thereof for treatment of effluent
1198	2017/05646	26-Sep-18	South Africa	Production of Propylene in Fluid Catalytic Cracking Unit
1199	2018/01816	30-Jan-19	South Africa	Device for Progressive Pressure Reduction of Flue Gas
1200	2018/01621	30-Jan-19	South Africa	Process for Conversion of Residue Employing De-Asphalting and Delayed Coking
1201	2018/01629	29-May-19	South Africa	Apparatus and Method for Converting Liquid Stream into Fine Droplets
1202	2018/01627	29-May-19	South Africa	Apparatus for Distribution of Catalyst in Fluidized Catalytic Cracking Unit
1203	2018/01628	29-May-19	South Africa	Multimetal Composition for production of Morphology Controlled Carbon Nanotube and process thereof
1204	2018-07241	31-Jul-19	South Africa	Two Stage Thermal Cracking Process with Multistage Separation System
1205	2018-07242	31-Jul-19	South Africa	An Integrated Fluid Catalytic Cracking and Oxidative Propane Dehydrogenation Process
1206	2018/08088	28-Aug-19	South Africa	A Process for Conversion of High Acidic Crude Oils
1207	2018/08089	28-Aug-19	South Africa	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
1208	2018/08597	28-Aug-19	South Africa	Process for Etherification of Mixed Olefinic Light Naphtha and Simultaneous Reduction of Methanol in the Product
1209	2019/06807	29-Jul-20	South Africa	Highly Active Catalyst for Dehydrogenation of Alkanes and Method of Preparation Thereof
1210	ZA 2020/00621	23-Dec-20	South Africa	Integrated Process for Ethanol Separation from Fermented Broth for Low Temperature Applications
1211	ZA 2020/00573	28-Jul-21	South Africa	Process for production of Anisotropic Coke
1212	2020/06004	25-Aug-21	South Africa	Apparatus for Dehydrogenation of Alkanes to Alkenes
1213	2020/02356	25-Aug-21	South Africa	A Process for Conversion of Fuel Grade Coke to Anode Grade Coke
1214	2020/06744	25-Aug-21	South Africa	A Membrane-less Reactor Design and Process for Biotransformation of Carbon dioxide
1215	ZA 2020/06924	29-Sep-21	South Africa	A Process for Producing High Yields of Hydrogen and Light Olefins from Resid FCC

1216	2021/00010	27-Oct-21	South Africa	A Catalyst Composition for Oxidative Dehydrngenation of Alkane
1217	2019/04115	22-Dec-21	South Africa	Process for Recovering Sugar from Biomass
1218	10-1677602	14-Nov-16	South Korea	Internal Donors for Ziegler Natta Catalyst Systems and process for preparing the same
1219	10-1677694	14-Nov-16	South Korea	Catalyst for Polymerization of Olefins and Process Thereof
1220	10-1677700	14-Nov-16	South Korea	Precursor for catalyst, process for preparing the same and use thereof
1221	10-1677737	14-Nov-16	South Korea	Organometallic Compounds in Solid form, Process for Preparing the Same and Use Thereof
1222	10-1885812	31-Jul-18	South Korea	Process of Preparation of Drag Reducing Polymers and use thereof
1223	KR 10-2072633	28-Jan-20	South Korea	External Donor for Olefin Polymerization
1224	10-2204022	21-Jan-21	South Korea	Photo Electrodes for Hydrogen Generation and Module Thereof
1225	2949636	09-May-18	Spain	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
1226	2569400	17-Jan-18	Spain	Two Stage Gasifier for Generating Syngas
1227	2591081	07-Mar-18	Spain	Process for the Removal of Metals from Oils / Fats
1228	3059261	03-Oct-18	Spain	Catalyst for Olefin Polymerization and Polymerization thereof
1229	3543343	29-Apr-20	Spain	Improved Method for Second Generation Ethanol Production from Lignocellulosic Biomass
1230	3456868	15-Jul-20	Spain	Corrosion Inhibitor Composition for Pipelines
1231	2889354	11-Aug-21	Spain	Test Set-up & Method for Evaluation of Heat Transfer Fluid at High Temperatures for Solar Thermal Applications
1232	3527550	01-Sep-21	Spain	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
1233	3480341	01-Dec-21	Spain	Photo Electrodes for Hydrogen Generation and Module Thereof
1234	17633	26-Feb-15	Sri Lanka	A Process for Producing Lipids Suitable for Biofuels
1235	17819	29-Apr-15	Sri Lanka	An Environment Friendly Method for Disposal of Waste Plastics through Conversion of Polyethylene Terephthalate (PET) Polymers to Anti-Stripping Compounds
1236	17901	22-Apr-15	Sri Lanka	Mosquito Larvacidal Oil composition
1237	18094	07-Sep-18	Sri Lanka	Multi Utility Solar led lighting device
1238	15426	21-Nov-18	Sri Lanka	A Polypouch for packaging of superior kerosene oil
1239	14667	08-Nov-19	Sri Lanka	Composition of Agricultural Spray Oil
1240	18925	30-Dec-20	Sri Lanka	Delayed Coking Process with Pre-cracking Reactor
1241	18926	16-Nov-21	Sri Lanka	Long Drain Tractor Lubricant Composition with Antichatter Characteristics
1242	SE 2051784	29-Apr-15	Sweden	A method for Bio-Assisted treatment of oil contaminated soil containing water
1243	3543343	29-Apr-20	Sweden	Improved Method for Second Generation Ethanol Production from Lignocellulosic Biomass
1244	3480341	01-Dec-21	Switzerland	Photo Electrodes for Hydrogen Generation and Module Thereof
1245	AP 2824 (Tanzania)	22-Jan-14	Tanzania	Composition of Agricultural Spray Oil
1246	5837	22-Oct-21	Tanzania	Marine Cylinder Lubricant for Scuffing Control
1247	3101093	20-Mar-19	Turkey	FCC Feed Injector with Improved Atomization

1248	2591072	13-Mar-19	Turkey	Dual Riser catalytic cracking apparatus & process for resid upgradation
1249	3118641	09-May-18	Turkey	A Modified Giant Impedance (GMI) based Sensing Device for Detection of Carburisation in Austenitic Stainless Steel
1250	2519341	03-Jan-18	Turkey	Feed Nozzle Assembly
1251	2831201	14-Nov-18	Turkey	An Apparatus & a Process for Fluid Catalytic Cracking
1252	2591071	12-Dec-18	Turkey	Upflow regeneration of FCC catalyst for multistage cracking
1253	3284804	22-Apr-20	Turkey	Production of Propylene in Fluid Catalytic Cracking Unit
1254	3409348	22-Jul-20	Turkey	Apparatus for Distribution of Catalyst in Fluidized Catalytic Cracking Unit
1255	3165586	16-Dec-20	Turkey	Production of High Yield of Syngas through Regeneration of Coked Upgrading Agent
1256	3165588	07-Jul-21	Turkey	Process for Production of High Quality Syngas through Regeneration of Coked Up gradation Agent
1257	1945	15-Mar-20	UAE	Process for reduction of sulfur in FCC liquid products through the use of CO as a reducing agent
1258	2003	29-Mar-20	UAE	Bio-inoculant and use thereof for treatment of effluent
1259	2966	29-Jun-21	UAE	A Bio-assisted process for conversion of Carbon Di oxide to fuels and Hydrocarbons
1260	3831	12-Oct-21	UAE	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
1261	AP 2824 (Uganda)	22-Jan-14	Uganda	Composition of Agricultural Spray Oil
1262	US 6864202	08-Mar-05	USA	Process For Preparing Sodium Silicate Alkali Solution Depleted Of Sodium Salt And Enriched In Silica
1263	US 6858556	22-Feb-05	USA	Stabilized Dual Zeolite Single Particle Catalyst Composition And A Process Thereof
1264	US 7008595	07-Mar-06	USA	Resid Cracking Apparatus With Catalyst And Absorbent Regenerators & A Process Thereof
1265	US 7381322	03-Jun-08	USA	Resid Cracking Apparatus With Catalyst And Absorbent Regenerators & A Process Thereof
1266	US 7427303	23-Sep-08	USA	Surfactant Composition Including Ethoxylate Of Cnsl
1267	US 7473283	06-Jan-09	USA	A Fuel Additive Composition For Stabilizing Blends Of Ethanol And A Hydrocarbon
1268	US 6855653	15-Feb-05	USA	Novel Process For Preparing Hydrodesulphurization Catalyst
1269	US 7207445	24-Apr-07	USA	Device And Method For Non-Dispersive Contacting Of Liquid-Liquid Reactive System
1270	US 7604731	20-Oct-09	USA	Process For Production Of Needle Coke
1271	US 7462275	09-Dec-08	USA	Process For Conversion Of Hydrocarbons To Saturated Lpg And High Octane Gasoline
1272	US 7470292	30-Dec-08	USA	Novel Antioxidant Composition For Motor Gasoline Fuel
1273	US 7767634	03-Aug-10	USA	A Lubricating Grease Composition
1274	US 7517827	14-Apr-09	USA	Process For Preparation Of Liquefied Petroleum Gas Selective Cracking Catalyst
1275	US 7789918	07-Sep-10	USA	Lubricity Improving Additive Composition for Low Sulphur Diesel Fuel

1276	US 8551748	08-Oct-13	USA	Process for upgrading of Liquid Hydrocarbon Fuels
1277	9528001	27-Dec-16	USA	Preparation of Polymer Modified Bitumen (PMB) from Polyethylene Terephthalate (PET) derived Polyamido Amine
1278	9914789	13-Mar-18	USA	Internal Donors for Ziegler Nata Catalyst Systems and process for preparing the same (CIP Application)
1279	US 8222180	17-Jul-12	USA	Adsorbent Composition for removal of Refractory Sulphur compounds from Refinery Streams and Process thereof
1280	US 7968079	28-Jun-11	USA	Ready to Use seed composition & Process thereof
1281	US 8980619	17-Mar-15	USA	A method for Bio-Assisted treatment of oil contaminated soil containing water
1282	US 9034633	19-May-15	USA	Method for Bioremediation of highly aromatic hydrocarbon wastes
1283	9873096	23-Jan-18	USA	Feed Nozzle Assembly
1284	9433912	06-Sep-16	USA	A Process for simultaneous cracking of lighter and heavier hydrocarbon feed and system for the same
1285	US 8840846	23-Sep-14	USA	Method and Apparatus for Catalytic Cracking
1286	US 8617424	31-Dec-13	USA	A two stage gasifier for generating syngas
1287	US 8932712	13-Jan-15	USA	Metal Passivator Additive and Process for Preparing
1288	US 8802879	12-Aug-14	USA	A Process for the removal of metals from vegetable oils & animal fats
1289	US 9266101	23-Feb-16	USA	A Value Added Spent FCC Catalyst Composition & its Process of preparation
1290	9434892	06-Sep-16	USA	Two stage fluid catalytic cracking apparatus & process for production of different hydrocarbons
1291	9771526	26-Sep-17	USA	Multi Riser Resid Catalytic cracking Process and Apparatus
1292	US 9260672	16-Feb-16	USA	Process for deep desulfurization of cracked gasoline with minimum octane loss
1293	US 9272933	01-Mar-16	USA	Bio-augmentation composition and use thereof for improving efficiency of effluent treatment plant /hydrocarbon processing plant
1294	9828555	28-Nov-17	USA	Improved deasphaqlting process for production of feedstocks for dual applications
1295	9573865	21-Feb-17	USA	A process for production of C3 olefins in a fluid catalytic cracking unit
1296	9441252	13-Sep-16	USA	Process for producing Lipids suitable for Biofuels
1297	9637693	02-May-17	USA	Process for reduction of sulfur in FCC liquid products through the use of CO as a reducing agent
1298	9932529	03-Apr-18	USA	A Process for Manufacturing of Rubber Oils with Extremely Low Carcinogenic Polycyclic Aromatic Compounds
1299	9593172	14-Mar-17	USA	Internal Donors for Ziegler Nata Catalyst Systems and process for preparing the same
1300	9616408	11-Apr-17	USA	Adsorbent for removal of con-carbon and contaminated metals present in Hydrocarbon Feed
1301	9587041	07-Mar-17	USA	Organometallic compounds in solid form, process for preparing the same and use thereof
1302	9890229	13-Feb-18	USA	Precursor for catalyst, process for preparing the same and use thereof

1303	9676876	13-Jun-17	USA	Catalyst for Polymerization of Olefins and Process Thereof
1304	9840671	12-Dec-17	USA	Delayed Coking Process
1305	9644155	09-May-17	USA	Integrated Process For Production Of High Octane Gasoline, High Aromatic Naphtha And High Cetane Diesel From High Aromatic Middle Distillate Range Streams
1306	9868903	16-Jan-18	USA	Liquid Phase Additive for use in Thermal Cracking Process to improve Product Yields
1307	9644050	09-May-17	USA	Particle Size Distribution Control through Internal Donor in Ziegler Natta Catalyst
1308	9862829	09-Jan-18	USA	Hybrid Bitumen Composition and Process of preparation thereof
1309	9981246	29-May-18	USA	A Catalyst Composition for Catalytic Cracking a Process of Preparation thereof Process
1310	9890402	13-Feb-18	USA	Thraustochytrid based Process for Treating Waste Effluent
1311	9873752	23-Jan-18	USA	Catalyst Process Modification and Polymerization thereof
1312	9944862	17-Apr-18	USA	A Process and A Reactor for Enhancing Liquid Yield of Heavy Hydrocarbon Feed Stock
1313	9758602	12-Sep-17	USA	Catalyst for Olefin Polymerization and Polymerization thereof
1314	9890045	13-Feb-18	USA	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
1315	9611210	04-Apr-17	USA	Single Pot Synthesis of Dialkyl Carbonates using Catalyst from Natural Resource
1316	9920266	20-Mar-18	USA	An Apparatus and Method for improved Contact of Hydrocarbon Feed with Catalyst in a FCCU
1317	9896523	20-Feb-18	USA	Improved Ziegler Natta Catalyst and Process thereof
1318	9938175	10-Apr-18	USA	Bio-Assisted Process for Treatment and Regeneration of Spent Caustic
1319	10001531	19-Jun-18	USA	A Modified Giant Impedance (GMI) based Sensing Device for Detection of Carburisation in Austenitic Stainless Steel
1320	9783744	10-Oct-17	USA	Process of Upgradation of Residue Oil Feedstock
1321	10017703	10-Jul-18	USA	Process Intensification in Hydroprocessing
1322	10047300	14-Aug-18	USA	A Process for Metal Reduction of Hydrocarbon Oil
1323	10059902	28-Aug-18	USA	Process for In-Situ Synthesis of ZnO Nanoparticles in Oil
1324	10094399	09-Oct-18	USA	Process of Preparation of Drag Reducing Polymers and use thereof
1325	10100136	16-Oct-18	USA	Organometallic compounds in solid form, process for preparing the same and use thereof (Divisional Application)
1326	10131589	20-Nov-18	USA	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
1327	10130929	20-Nov-18	USA	An Apparatus & a Process for Fluid Catalytic Cracking
1328	10130943	20-Nov-18	USA	Catalyst Composition for Fluid Catalytic Cracking, Process for Preparing the Same and Use Thereof
1329	10137438	27-Nov-18	USA	Hydroprocessing Catalyst Composition and Process Thereof
1330	10159951	25-Dec-18	USA	FCC Feed Injector with Improved Atomization

1331	10201810	12-Feb-19	USA	Vacuum Resid Upgradation and Graphite Production
1332	10195564	05-Feb-19	USA	Bio-conversion of Refinery Waste Streams
1333	10214632	26-Feb-19	USA	Crystallinity Modifier for Polypropylene
1334	10245581	02-Apr-19	USA	Composition & Process for Preparation of Attrition Resistant Additive suitable fo Cracking Hydrocarbon Feed
1335	10252249	09-Apr-19	USA	A Composition and a Process for the Preparation of Attrition Resistant Cracking Catalyst suitable for enhancing light olefins
1336	10266459	23-Apr-19	USA	Production of Propylene in Fluid Catalytic Cracking Unit
1337	10273417	30-Apr-19	USA	Process for Fluid Catalytic Cracking (Divisional Application)
1338	10280372	07-May-19	USA	Hydrocarbon Cracking Catalyst and Process for producing Light olefins
1339	10315186	11-Jun-19	USA	A Process for the Preparation of CO Promoter and Improvement Thereof
1340	10323259	18-Jun-19	USA	A Formulation and Process for Biohydrogen Production
1341	10336907	02-Jul-19	USA	Modified Crumb Rubber Compositions
1342	10384948	20-Aug-19	USA	Cracking Catalyst Composition of Heavy Hydrocarbon Feedstocks and Process for Preparing the Same
1343	10399073	03-Sep-19	USA	Hydrocarbon Soluble Metal Composition and a Method of Making it Thereof
1344	10413889	17-Sep-19	USA	Process and composition for preparation of cracking catalyst suitable for enhancing yields of light olefins
1345	10443002	15-Oct-19	USA	Process for Quality Enhancement in Hydrocarbon Stream
1346	10449524	22-Oct-19	USA	Process and Composition for Preparation of Cracking Catalyst Suitable for Enhancing LPG
1347	10450662	22-Oct-19	USA	A Device and Method for Conversion of Carbon Dioxide to Fuels and Chemicals
1348	10468671	05-Nov-19	USA	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof
1349	10478840	19-Nov-19	USA	Apparatus and Method for Converting Liquid Stream into Fine Droplets
1350	10487279	26-Nov-19	USA	Production of High Yield of Syngas through Regeneration of Coked Upgrading Agent
1351	10487347	26-Nov-19	USA	Method of Pretreatment for enhanced Enzymatic Hydrolysis
1352	10501692	10-Dec-19	USA	Delayed Coker Drum And Method Of Operating Thereof
1353	10507458	17-Dec-19	USA	Hydrotreating Catalyst and Process for Preparing the Same
1354	10526202	07-Jan-20	USA	Process for Production of High Quality Syngas through Regeneration of Coked Up gradation Agent
1355	10563114	18-Feb-20	USA	Corrosion Inhibitor Composition for Pipelines
1356	10578304	03-Mar-20	USA	Device for Progressive Pressure Reduction of Flue Gas
1357	10584290	10-Mar-20	USA	Process for Conversion of Residue Employing De-Asphalting and Delayed Coking

1358	10584085	10-Mar-20	USA	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
1359	10590354	17-Mar-20	USA	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
1360	10611865	07-Apr-20	USA	Organometallic compounds in solid form, process for preparing the same and use thereof (Divisional Application)
1361	10604708	31-Mar-20	USA	Process Intensification in Hydroprocessing (Divisional Application)
1362	10647930	12-May-20	USA	Reactor System for Upgrading Heavy Hydro-Carbonaceous Material
1363	10646863	12-May-20	USA	Apparatus for Distribution of Catalyst in Fluidized Catalytic Cracking Unit
1364	10633609	28-Apr-20	USA	Process for Insitu Synthesis of Dispersion ZnO-TiO2 nanoparticles in Oil
1365	10655076	19-May-20	USA	Assorted Co-Staging and Counter Staging in Hydrotreating
1366	10654773	19-May-20	USA	An Integrated Fluid Catalytic Cracking and Oxidative Propane Dehydrogenation Process
1367	10662385	26-May-20	USA	Delayed Coking Process with Pre-cracking Reactor
1368	10676678	09-Jun-20	USA	A Process for Conversion of High Acidic Crude Oils
1369	10676675	09-Jun-20	USA	A Method and Hardware for Supplying Additives to the Delayed Coker Drum (CON Application)
1370	10689465	23-Jun-20	USA	External Donor for Olefin Polymerization
1371	10702795	07-Jul-20	USA	Process for High Purity Hexane and Production Thereof
1372	10759663	01-Sep-20	USA	Multimetal Composition for production of Morphology Controlled Carbon Nanotube and process thereof
1373	10760014	01-Sep-20	USA	Catalyst and Process for Conversion of Vacuum Resid to Middle Distillates
1374	10787613	29-Sep-20	USA	Catalyst Additive Composition for Reduction of Sulfur in Gasoline
1375	10793456	06-Oct-20	USA	Efficient Bi-Inorganic System for Treatment of Sulphidic Waste Water Streams containing other Contaminants
1376	10808177	20-Oct-20	USA	Delayed Coking Process with Pre-cracking Reactor (CIP Application of US 15/237056)
1377	10822557	03-Nov-20	USA	Process for Production of Petrochemicals from Cracked Streams
1378	10843177	24-Nov-20	USA	Composition and Process Thereof for Catalyst for Hydro-Conversion of LCO Involving Partial Ring Opening of Poly-Aromatics
1379	10865349	15-Dec-20	USA	Two Stage Thermal Cracking Process with Multistage Separation System
1380	10894248	19-Jan-21	USA	Catalyst Composition and a Process of Preparation of Catalyst for Enhancing Yield of Olefins and Distillates in Fluid Catalytic Cracking process (FCC)
1381	10900507	26-Jan-21	USA	Improved Distribution of a Multi Phase Fluid Mixture

1382	10934494	02-Mar-21	USA	Process for production of Anisotropic Coke
1383	10941346	09-Mar-21	USA	A Process for Conversion of Fuel Grade Coke to Anode Grade Coke
1384	10947172	16-Mar-21	USA	Highly Active Catalyst for Dehydrogenation of Alkanes and Method of Preparation Thereof
1385	10954149	23-Mar-21	USA	Process for Bio-sludge Reduction in Hydrocarbon Refinery Effluent Treatment Plant through Microbial Interventions
1386	10960382	30-Mar-21	USA	A Catalyst for Enhancing Liquid Yield in Thermal Cracking Process
1387	10968322	06-Apr-21	USA	Additive Composition Useful for Improved Production of Fermentable Sugars from Lignocellulose Biomass
1388	10995292	04-May-21	USA	Nano Perovskite Materials as Combustion Improver for Liquid and Gaseous Fuels
1389	11001771	11-May-21	USA	Process for Production of Petrochemical Feedstock and High Octane Gasoline from Middle Distillates
1390	11000843	11-May-21	USA	A Catalyst Composition for Conversion of Alkanes to Alkenes and Method of Preparation Thereof
1391	11028385	08-Jun-21	USA	A Formulation to Stabilize Ligno-Cellulolytic Enzyme
1392	11084930	10-Aug-21	USA	Co-Solubilization Process for Preparing Modified Bitumen and Product Obtained Thereof
1393	11111509	07-Sep-21	USA	Bio-Assisted Process for Conversion of Mixed Volatile Fatty Acids to Selective Drop-in-Fuels
1394	11149261	19-Oct-21	USA	Provident Method of Cellulases Enzymes Production by Penicillium Funiculosum MRJ-16 Using Minimum Media Components
1395	11149207	19-Oct-21	USA	Thermal Cracking Furnace for Residue Feedstock
1396	11141707	21-Oct-21	USA	Inlet Diffuser for Fixed-Bed Hydroprocessing Reactors
1397	11149223	19-Oct-21	USA	Lubricity cum Conductivity Improver Package for Ultra Low Sulfur Diesel Fuels
1398	11180630	23-Nov-21	USA	Metal Salts of Malonic Acid as Nucleating Additives for Crystalline Thermoplastics
1399	11174563	16-Nov-21	USA	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
1400	11168260	09-Nov-21	USA	Process for Production of Superior Quality Coke
1401	11193146	07-Dec-21	USA	Improved Method for Second Generation Ethanol Production via Modified Simultaneous Saccharification and Co-Fermentation Process
1402	11193177	07-Dec-21	USA	Process for Recovering Higher Sugar from Biomass
1403	11242893	08-Feb-22	USA	Novel Composition of High Performance Bearing Oil for Steel Plants

1404	11242549	08-Feb-22	USA	Bio-Refinery Waste Utilization for Enzyme Production Using Novel Penicillium Funiculosum MRJ-16 Fungal Strain
1405	11241674	08-Feb-22	USA	Nano-Crystallite Binder Based CO Combustion Promoter
1406	11236285	01-Feb-22	USA	High Temperature Zinc Complex Grease
1407	11274257	15-Mar-22	USA	Process for Selective Production of Light Olefins and Aromatics from Cracked Light Naphtha
1408	11261419	01-Mar-22	USA	Method for Preparation of Fungal Mutant with High Hydrolytic Activity and Thereof
1409	11286571	29-Mar-22	USA	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
1410	11286317	29-Mar-22	USA	Morphology Modified Hetrophase Propylene Copolymers and their products thereof
1411	12401	18-Feb-14	Vietnam	Composition of Agricultural Spray Oil
1412	9571	20-Mar-22	Saudi Arabia	Process for CO2 Capture from Gaseous Streams
1413	18944	09-Dec-20	Sri Lanka	A Device and method for conversion of carbon dioxide to fuels and chemicals
1414	19145	15-Dec-21	Sri Lanka	Energy Efficient High Performance Industrial Gear Oil and Composition Thereof
1415	2771816	12-May-22	Russia	Apparatus for Dehydrogenation of Alkanes to Alkenes
1416	11344871	31-May-22	USA	Process for Preparation of Ethylene Oligomerization Catalyst and Oligomerization thereof
1417	11345862	31-May-22	USA	An Apparatus and a Method for Washing of Hydrocarbon Product Vapour
1418	11345866	31-May-22	USA	Process for Production of MARPOL Compliant Bunker Fuel from Petroleum Residues
1419	30519	05-Dec-21	Egypt	Process for Etherification of Mixed Olefinic Light Naphtha and Simultaneous Reduction of Methanol in the Product
1420	2773151	31-May-22	Russia	Process for Preparing a Hydrotreating Catalyst Composition for Producing Ultra Low Sulfur Diesel
1421	2773213	31-May-22	Russia	An Integrated Oxidative Alkane Dehydrogenation and Hydrogen Generation Process
1422	3536798	01-Jun-22	Germany	Bio-Assisted Process for Conversion of Solar Energy to Fuels and Hydrocarbons
1423	3536798	01-Jun-22	Netherlands	Bio-Assisted Process for Conversion of Solar Energy to Fuels and Hydrocarbons
1424	3536798	01-Jun-22	Italy	Bio-Assisted Process for Conversion of Solar Energy to Fuels and Hydrocarbons
1425	3831983	08-Jun-22	Belgium	A Membrane-less Reactor Design and Process for Biotransformation of Carbon dioxide
1426	3831983	08-Jun-22	Netherlands	A Membrane-less Reactor Design and Process for Biotransformation of Carbon dioxide
1427	3831983	08-Jun-22	France	A Membrane-less Reactor Design and Process for Biotransformation of Carbon dioxide
1428	3831983	08-Jun-22	GB	A Membrane-less Reactor Design and Process for Biotransformation of Carbon dioxide
1429	3831983	08-Jun-22	Denmark	A Membrane-less Reactor Design and Process for Biotransformation of Carbon dioxide

1430	11359149	14-Jun-22	USA	Process Configuration for Improving Production of Petrochemical Feedstocks
1431	3660150	08-Jun-22	Denmark	Provident Method of Cellulases Enzymes Production by Penicillium Funiculosum MRJ-16 Using Minimum Media Components
1432	3660150	08-Jun-22	Finland	Provident Method of Cellulases Enzymes Production by Penicillium Funiculosum MRJ-16 Using Minimum Media Components
1433	3660150	08-Jun-22	Romania	Provident Method of Cellulases Enzymes Production by Penicillium Funiculosum MRJ-16 Using Minimum Media Components
1434	3660150	08-Jun-22	Germany	Provident Method of Cellulases Enzymes Production by Penicillium Funiculosum MRJ-16 Using Minimum Media Components
1435	3660150	08-Jun-22	Spain	Provident Method of Cellulases Enzymes Production by Penicillium Funiculosum MRJ-16 Using Minimum Media Components
1436	3660150	08-Jun-22	Sweden	Provident Method of Cellulases Enzymes Production by Penicillium Funiculosum MRJ-16 Using Minimum Media Components
1437	9734	11-Apr-22	Saudi Arabia	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
1438	7079297	24-May-22	Japan	Process & Apparatus for Co-conversion of Waste Plastics in Delayed Coker Unit
1439	11370987	28-Jun-22	USA	Method of Controlling Kinematic Viscosity of Polyalphaolefin
1440	30726	28-Mar-22	Egypt	Assorted Co-Staging and Counter Staging in Hydrotreating
1441	10025	17-May-22	Saudi Arabia	Method of Making Hydrocarbon Soluble Metal Compositions
1442	10198	15-Jun-22	Saudi Arabia	Process for Production of Petrochemicals from Cracked Streams
1443	AU 2019253784	14-Jul-22	Australia	Engineered Electrode for Electrobiocatalysis and Process to Construct the Same
1444	4342	26-Apr-22	UAE	Bio-augmentation composition and use thereof for improving efficiency of effluent treatment plant /hydrocarbon processing plant
1445	10308	03-Jul-22	Saudi Arabia	Process for Selective Production of Light Olefins and Aromatics from Cracked Light Naphtha
1446	10309	03-Jul-22	Saudi Arabia	Composition and Process Thereof for Catalyst for Hydro-Conversion of LCO Involving Partial Ring Opening of Poly-Aromatics
1447	10310	03-Jul-22	Saudi Arabia	Assorted Co-Staging and Counter Staging in Hydrotreating
1448	10311	03-Jul-22	Saudi Arabia	Apparatus and Method for Converting Liquid Stream into Fine Droplets
1449	P00 2019 11964-DP	11-Jul-22	Indonesia	Co-Solubilization Process for Preparing Modified Bitumen and Product Obtained Thereof
1450	2021/02685	27-Jul-22	South Africa	Method for Measuring Internal Geometry of a Pipeline
1451	3581635	03-Aug-22	Germany	Method of Making Hydrocarbon Soluble Metal Compositions

1452	3581635	03-Aug-22	Italy	Method of Making Hydrocarbon Soluble Metal Compositions
1453	11407974	09-Aug-22	USA	Method for Preparation and Screening of Fungal Mutant with High Hydrolytic Activity and Catabolite Derepressed Character
1454	11421159	23-Aug-22	USA	Process & Apparatus for Co-conversion of Waste Plastics in Delayed Coker Unit
1455	11421162	23-Aug-22	USA	Process for Co-conversion of Waste Plastics and Hydrocarbon Feedstock
1456	3647434	24-Aug-22	Netherland	Engineered Electrode for Electrobiocatalysis and Process to Construct the Same
1457	3647434	24-Aug-22	Belgium	Engineered Electrode for Electrobiocatalysis and Process to Construct the Same
1458	3647434	24-Aug-22	Denmark	Engineered Electrode for Electrobiocatalysis and Process to Construct the Same
1459	3647434	24-Aug-22	GB	Engineered Electrode for Electrobiocatalysis and Process to Construct the Same
1460	3536765	31-Aug-22	France	Process for Production of Petrochemicals from Cracked Streams
1461	3536765	31-Aug-22	Netherland	Process for Production of Petrochemicals from Cracked Streams
1462	3536765	31-Aug-22	Denmark	Process for Production of Petrochemicals from Cracked Streams
1463	3536765	31-Aug-22	Belgium	Process for Production of Petrochemicals from Cracked Streams
1464	11453600	27-Sep-22	USA	Method of Making Hydrocarbon Soluble Metal Compositions
1465	2021/04232	31-Aug-22	South Africa	Dual Axis Solar Tracking System
1466	2021/04841	31-Aug-22	South Africa	Lubricant Composition for e-Axle Application
1467	2021/06599	31-Aug-22	South Africa	Fluidized Bed Dehydrogenation Process for Light Olefin Production
1468	2021/06756	31-Aug-22	South Africa	An Integrated Oxidative Alkane Dehydrogenation and Hydrogen Generation Proces