

**List of IOCL Patents as on 31.05.2020**

S.N.	Application No. / Patent No.	Filing Date / Grant Date	Country	Title of Invention
1	US 6339052	15-Jan-02	USA	Lubricant Composition for Internal Combustion Engines
2	US 6362137	26-Mar-02	USA	Process for Preparing a Corrosion Inhibitor/ Metal Passivator Additive for Lubricant, Grease and Fuel Applications from Waste Refinery Streams
3	US 6548459	15-Apr-03	USA	Process for Preparing Rust Inhibitors from Cashew Nut Shell Liquid
4	US 6660696	9-Dec-03	USA	Thermally Stable Phosphorothionates as Antioxidant, Antiwear, Friction Reducing and Extreme Pressure Lubricant Additives From Cashew Nut Shell Liquid
5	US 6797021	28-Sep-04	USA	Process For Preparation Of Novel Mannich Bases From Hydrogenated And Distilled Cashew Nut Shell Liquid (Cnsl) For Use As Additive In Liquid Hydrocarbon Fuels
6	US 6855653	15-Feb-05	USA	Novel Process For Preparing Hydrodesulphurization Catalyst
7	US 6858556	22-Feb-05	USA	Stabilized Dual Zeolite Single Particle Catalyst Composition And A Process Thereof
8	US 6864202	8-Mar-05	USA	Process For Preparing Sodium Silicate Alkali Solution Depleted Of Sodium Salt And Enriched In Silica
9	US 6866772	15-Mar-05	USA	An Extraction Of Aromatics For Hydrocarbon Oil Using Furfural Co-Solvent Extraction Process
10	194236	14-Jun-05	India	Process for Preparation of Lubricating Greases
11	195969	9-Sep-05	India	A Process for the Preparation of CNSL Phosphorothionate Derivatives
12	195910	13-Sep-05	India	Production of Polymer/Food Grade Solvents from Paraffin Rich Low Value Streams Employing Hydroprocessing
13	196053	13-Sep-05	India	A Fluidized Bed Catalytic Cracking Apparatus and Process thereof
14	US 7008595	7-Mar-06	USA	Resid Cracking Apparatus With Catalyst And Absorbent Regenerators & A Process Thereof
15	US 7029571	18-Apr-06	USA	Multistage Selective Cracking Process And System For Producing High Yield Of Middle Distillate Products From Heavy Hydrocarbon Feed Stocks
16	DE 10 2004 035 934.2	14-Sep-06	Germany	Process For Production Of Needle Coke
17	203156	26-Oct-06	India	Fuel Additive Composition for Stabilizing Blends of Ethanol and a Hydrocarbon
18	203417	30-Oct-06	India	A Process and an Apparatus for Preparing Mineral Turpentine Oil having Improved Colour Stability
19	204541	26-Feb-07	India	A Surfactant Composition for Use as Emulsifier in Water Blended Fuel Composition
20	206249	20-Apr-07	India	Process for Production of Aviation Turbine Fuel ATF/Premium Grade Kerosene through Low Pressure Hydrotreating
21	US 7207445	24-Apr-07	USA	Device And Method For Non-Dispersive Contacting Of Liquid-Liquid Reactive System
22	208603	2-Aug-07	India	Process for Enhancing Yield of Sodium Aluminosilicate Molecular Sieves During Synthesis
23	208838	13-Aug-07	India	Stabilized Dual Zeolite Particle Catalyst Composition and a Process therefor
24	210390	3-Oct-07	India	A Method of Remediation of Acidic Sludge
25	213164	20-Dec-07	India	Lubricity Improving Additive Composition for Low Sulphur Diesel Fuel
26	PI 2008 0285	15-Feb-08	Malaysia	Novel Synthetic Fuel & method of preparation thereof
27	482/MUM/2008	10-Mar-08	India	Screening of Natural candidates against Microbiologically influenced Corrosion
28	US 7381322	3-Jun-08	USA	Resid Cracking Apparatus With Catalyst And Absorbent Regenerators & A Process Thereof
29	221915	10-Jul-08	India	Process for Production of Needle Coke
30	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
31	US 7427303	23-Sep-08	USA	Surfactant Composition Including Ethoxylate Of Cnsl
32	GB 2415434	8-Oct-08	GB	Process For Production Of Needle Coke

33	US 7462275	9-Dec-08	USA	Process For Conversion Of Hydrocarbons To Saturated Lpg And High Octane Gasoline
34	US 7470292	30-Dec-08	USA	Novel Antioxidant Composition For Motor Gasoline Fuel
35	US 7473283	6-Jan-09	USA	A Fuel Additive Composition For Stabilizing Blends Of Ethanol And A Hydrocarbon
36	53/MUM/2009	9-Jan-09	India	Process for the upgrading of liquid hydrocarbon fuels through addition of biocatalyst
37	72/DEL/2009	15-Jan-09	India	System for determining feasibility of transportation of crude oil through Pipeline
38	668/DEL/2009	31-Mar-09	India	Hydrostatic Piston Ring
39	US 7517827	14-Apr-09	USA	Process For Preparation Of Liquefied Petroleum Gas Selective Cracking Catalyst
40	1103/MUM/2009	24-Apr-09	India	Method for Bioremediation of highly aromatic hydrocarbon wastes
41	234838	17-Jun-09	India	Process for Preparing Hydrotreating Catalyst Composition useful for Desulfurization of Gasoils
42	234914	19-Jun-09	India	An Improved Cordierite Based Kiln Furniture and A Process for Preparing the Same
43	234925	22-Jun-09	India	Process for Conversion of Hydrocarbons to Saturated LPG and High Octane Gasoline
44	235706	11-Aug-09	India	A Cement Blend and a Process for Preparing the Same thereof
45	SINGAPORE 127410	31-Aug-09	SINGAPORE	Lubricity Improving Additive Composition For Low Sulphur Diesel Fuel
46	235922	7-Sep-09	India	A Process for the Disposal of Lubricating Greases
47	US 7604731	20-Oct-09	USA	Process For Production Of Needle Coke
48	2721/DEL/2009	29-Dec-09	India	A Feed Nozzle Assembly
49	RUSSIA 2380904	10-Feb-10	RUSSIA	Composition Of Agricultural Spray Oil
50	623/DEL/2010	17-Mar-10	India	Process for selective removal of mercaptan from Aviation Turbine Fuel (ATF)
51	France 2904248	18-Jun-10	France	A Method For Bio-Assisted Treatment Of Oil Contaminated Soil Containing Water
52	750/KOL/2010	8-Jul-10	India	A Process for the removal of metals from vegetable oils & animal fats
53	241717	21-Jul-10	India	Improved Method and Apparatus for Non-Dispersive Contacting of Liquid-Liquid Reactive System (Jointly with EIL)
54	US 7767634	3-Aug-10	USA	A Lubricating Grease Composition
55	US 7789918	7-Sep-10	USA	Lubricity Improving Additive Composition for Low Sulphur Diesel Fuel
56	243037	24-Sep-10	India	Composition of Agricultural Spray Oil
57	RUSSIA 2402495	27-Oct-10	RUSSIA	A method of remediation of acidic sludge (variants)
58	1309/KOL/2010	19-Nov-10	India	Integrated process for deep desulfurization of diesel with reduced hydrogen consumption
59	1311/KOL/2010	19-Nov-10	India	Composition of ecofriendly oil for jute batching application
60	SINGAPORE 150424	11-Mar-11	SINGAPORE	Novel Synthetic Fuel & Method Of Preparation Thereof
61	474/KOL/2011	4-Apr-11	India	Bio-augmentation composition and use thereof for improving efficiency of effluent treatment plant /hydrocarbon processing plant
62	248230	28-Jun-11	India	A Ceramic Body mix utilizing spent catalyst waste and a process for preparing the same
63	US 7968079	28-Jun-11	USA	Ready to Use seed composition & Process thereof
64	CHINA ZL 2005 80049863.7	10-Aug-11	CHINA	Composition Of Agricultural Spray Oil
65	1411/KOL/2011	3-Nov-11	India	Improved deasphalting process for production of feedstocks for dual applications
66	250547	10-Jan-12	India	Method for Bio-Assisted Treatment of Hydrocarbon contaminated Soil
67	140/KOL/2012	9-Feb-12	India	An Environment Friendly Method for Disposal of Waste Plastics through Conversion of Polyethylene Terephthalate (PET) Polymers to Anti-Stripping Compounds
68	251597	26-Mar-12	India	Method for Bio-Oxidative Desulfurization of Liquid Hydrocarbon fuels and product thereof
69	336/KOL/2012	27-Mar-12	India	An Apparatus & a Process for Fluid Catalytic Cracking
70	252240	2-May-12	India	A Sulphur Sorptive membrane an a method for separation of sulphur compounds from liquid hydrogen

71	253148	28-Jun-12	India	Bio-Assisted Method for Disposing the Emulsion of Metal Working Fluids
72	EP 10837170.9	12-Jul-12	Europe	Production of Mixture of Hydrogen and Natural Gas
73	US 8222180	17-Jul-12	USA	Adsorbent Composition for removal of Refractory Sulphur compounds from Refinery Streams and Process thereof
74	2083/MUM/2012	19-Jul-12	India	Improved Microalgae Strains and use thereof
75	2387/MUM/2012	16-Aug-12	India	Adsorbent for removal of con-carbon and contaminated metals present in Hydrocarbon Feed
76	2503/MUM/2012	29-Aug-12	India	Hydrotreating catalyst and process for preparing the same
77	2505/MUM/2012	29-Aug-12	India	Bio-inoculant and use thereof for treatment of effluent
78	2545/MUM/2012	31-Aug-12	India	Multi Utility Solar Led Lighting Device
79	2649/MUM/2012	12-Sep-12	India	Precursor for catalyst, process for preparing the same and use thereof
80	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
81	2502/MUM/2012	29-Nov-12	India	Mixotrophic Cultivation of Microalgae for the Production of Biofuel
82	EP 11736170.9	6-Dec-12	Europe	Metal Passivator Additive and Process for Preparng
83	US 8353972	15-Jan-13	USA	Novel Synthetic Fuel & method of preparation thereof
84	EP 11741290.8	28-Jan-13	Europe	Value added Catalytic Cracking Catalyst Composition and a process for preparation thereof
85	EP 11807796.5	10-May-13	Europe	A Process for Desulfurization of Diesel with reduced Hydrogen Consumption
86	2070/MUM/2013	18-Jun-13	India	A Bio-assisted process for conversion of Carbon Di oxide to fuels and Hydrocarbons
87	DK 1957118	19-Jun-13	Denmark	Method for Bio-Oxidative desulfurization of liquid hydrocarbon fuels
88	France 1957118	19-Jun-13	France	Method for Bio-Oxidative desulfurization of liquid hydrocarbon fuels
89	GB 1957118	19-Jun-13	GB	Method for Bio-Oxidative desulfurization of liquid hydrocarbon fuels
90	DE 1957118	19-Jun-13	Germany	Method for Bio-Oxidative desulfurization of liquid hydrocarbon fuels
91	NL 1957118	19-Jun-13	Netherland	Method for Bio-Oxidative desulfurization of liquid hydrocarbon fuels
92	2012/08157	26-Jun-13	South Africa	Method and Apparatus for Catalytic Cracking
93	2012/08158	26-Jun-13	South Africa	A Process for simultaneous cracking of lighter and heavier hydrocarbon feed and system for the same
94	2265/MUM/2013	4-Jul-13	India	Catalyst for Transesterification of vegetable oil to biodiesel
95	257028	27-Aug-13	India	Composition of Semi-Synthetic Cutting Oil for Metal Working Applications
96	OM/P/2013/00244	6-Oct-13	Oman	Bio-augmentation composition and use thereof for improving efficiency of effluent treatment plant /hydrocarbon processing plant
97	QA/201310/00243	6-Oct-13	Qatar	Bio-augmentation composition and use thereof for improving efficiency of effluent treatment plant /hydrocarbon processing plant
98	1065/2013	6-Oct-13	UAE	Bio-augmentation composition and use thereof for improving efficiency of effluent treatment plant /hydrocarbon processing plant
99	2829333	7-Oct-13	Canada	A method and hardware for supplying additives to the delayed coker drum
100	US 8551748	8-Oct-13	USA	Process for upgrading of Liquid Hydrocarbon Fuels
101	3417/MUM/2013	29-Oct-13	India	A Method of Preparing Fermentable Sugars from Biomass Resources
102	3601/MUM/2013	18-Nov-13	India	A Catalyst for Enhancing Liquid Yield in Thermal Cracking Process
103	3669/MUM/2013	21-Nov-13	India	Hydrocarbon Cracking Catalyst and Process for producing Light olefins
104	3691/MUM/2013	23-Nov-13	India	An Improved Delayed Coking Process
105	4122/MUM/2013	30-Dec-13	India	Test Set-up & Method for Evaluation of Heat Transfer Fluid
106	US 8617424	31-Dec-13	USA	A two stage gasifier for generating syngas
107	AP 2824 (Kenya)	22-Jan-14	Kenya	Composition of Agricultural Spray Oil
108	AP 2824 (Malawi)	22-Jan-14	Malawi	Composition of Agricultural Spray Oil
109	AP 2824 (Tanzania)	22-Jan-14	Tanzania	Composition of Agricultural Spray Oil
110	AP 2824 (Uganda)	22-Jan-14	Uganda	Composition of Agricultural Spray Oil
111	12401	18-Feb-14	Vietnam	Composition of Agricultural Spray Oil
112	259470	13-Mar-14	India	Composition of Oil for thin Gauge Steel Rolling
113	914/MUM/2014	20-Mar-14	India	Method for Preparing Hydrotreating Catalyst from Biomass
114	OM/P/2014/00059	20-Mar-14	Oman	A process for enhancing nickel tolerance of heavy hydrocarbon cracking catalysts

115	BR 11 2014 007168-3	25-Mar-14	Brazil	A process for enhancing nickel tolerance of heavy hydrocarbon cracking catalysts
116	1049/MUM/2014	26-Mar-14	India	Preparation of Polymer Modified Bitumen (PMB) from Polyethylene Terephthalate (PET) derived Polyamido Amine
117	BH 36/2014	26-Mar-14	Bahrain	A process for enhancing nickel tolerance of heavy hydrocarbon cracking catalysts
118	OM/P/2014/00063	26-Mar-14	Oman	A process for production of C3 olefins in a fluid catalytic cracking unit
119	QA/201403/00092	27-Mar-14	Qatar	A process for production of C3 olefins in a fluid catalytic cracking unit
120	QA/201403/00093	27-Mar-14	Qatar	A process for enhancing nickel tolerance of heavy hydrocarbon cracking catalysts
121	301/2014	27-Mar-14	UAE	Novel adsorbent for removal of sulphur from diesel & gasoline like fuels & process for preparing the same
122	1148/MUM.2014	28-Mar-14	India	A Rolling Oil Composition
123	BR 11 2014 008741-5	10-Apr-14	Brazil	Process for reduction of sulfur in FCC liquid products through the use of CO as a reducing agent
124	1456/MUM/2014	24-Apr-14	India	Method for producing readily Hydrolysable Polysaccharides from Lignocellulosic Biomass
125	408/2014	24-Apr-14	UAE	Process for reduction of sulfur in FCC liquid products through the use of CO as a reducing agent
126	MY-151168-A	30-Apr-14	Malaysia	Lubricity improving additive composition for low sulphur diesel fuel
127	657/2014	18-Jun-14	UAE	A Bio-assisted process for conversion of Carbon Di oxide to fuels and Hydrocarbons
128	France1883297	2-Jul-14	France	Composition of Agricultural Spray Oil
129	GB 1883297	2-Jul-14	GB	Composition of Agricultural Spray Oil
130	DE 1883297	2-Jul-14	Germany	Composition of Agricultural Spray Oil
131	2213/MUM/2014	8-Jul-14	India	Particle Size Distribution Control through Internal Donor in Ziegler Natta Catalyst
132	261834	16-Jul-14	India	Synergistic Deposit Control Additive composition for Gasoline and process thereof
133	2335/MUM/2014	19-Jul-14	India	Process for the Production of Polymer Modified Bitumen using Nitrogen rich Polycyclic Aromatic Hydrocarbon
134	US 8802879	12-Aug-14	USA	A Process for the removal of metals from vegetable oils & animal fats
135	262909	23-Sep-14	India	Novel Synthetic Fuel and method of preparation thereof
136	US 8840846	23-Sep-14	USA	Method and Apparatus for Catalytic Cracking
137	263574	31-Oct-14	India	A method for the preparation of Hydrotreating Catalyst
138	3512/MUM/2014	7-Nov-14	India	Catalyst Process for Spherical Particles
139	EP 14193180.8	14-Nov-14	Europe	Thermal Cracking Additive Compositions for reduction of Coke Yield in Delayed Coking Process
140	BR 10 2014 032691-0	26-Dec-14	Brazil	A Process for the preparation of CO Promoter and improvement thereof
141	EP 14200548.7	30-Dec-14	Europe	Test Set-up & Method for Evaluation of Heat Transfer Fluid at High Temperatures for Solar Thermal Applications
142	EP 14200606.3	30-Dec-14	Europe	A Process for the preparation of CO Promoter and improvement thereof
143	US 8932712	13-Jan-15	USA	Metal Passivator Additive and Process for Preparing
144	EP 13765794.6	15-Jan-15	Europe	Catalyst composition for fluid catalytic cracking, process for preparing the same and use thereof
145	EP 13789042.2	19-Jan-15	Europe	Adsorbent for removal of con-carbon and contaminated metals present in Hydrocarbon Feed
146	BR 11 2015 001343-0	21-Jan-15	Brazil	Catalyst composition for fluid catalytic cracking, process for preparing the same and use thereof
147	EP 13795861.7	22-Jan-15	Europe	Precursor for catalyst, process for preparing the same and use thereof
148	EP 13792077.3	22-Jan-15	Europe	Hydrotreating catalyst and process for preparing the same
149	247/MUM/2015	24-Jan-15	India	Thraustochytrid based Process for Treating Waste Effluent
150	268/MUM/2015	27-Jan-15	India	Catalyst Process Modification and Polymerization thereof
151	BR 11 2015 002639-7	6-Feb-15	Brazil	Adsorbent for removal of con-carbon and contaminated metals present in Hydrocarbon Feed
152	481/MUM/2015	14-Feb-15	India	Process for In-Situ Synthesis of ZnO Nanoparticles in Oil
153	265292	17-Feb-15	India	Process for preparation of LPG Selective Cracking Catalyst
154	BH 27/2015	19-Feb-15	Bahrain	Bio-inoculant and use thereof for treatment of effluent

155	QA/201502/00069	26-Feb-15	Qatar	Bio-inoculant and use thereof for treatment of effluent
156	264/2015	26-Feb-15	UAE	Bio-inoculant and use thereof for treatment of effluent
157	17633	26-Feb-15	Sri Lanka	A Process for Producing Lipids Suitable for Biofuels
158	660/MUM/2015	28-Feb-15	India	A Hot Rolling Oil for Steel
159	EP 15159358.9	17-Mar-15	Europe	A Liquid Phase Additive for use in Thermal Cracking Process to improve Product Yields
160	US 8980619	17-Mar-15	USA	A method for Bio-Assisted treatment of oil contaminated soil containing water
161	CN 20151013 3104.4	25-Mar-15	China	Preparation of Polymer Modified Bitumen (PMB) from Polyethylene Terephthalate (PET) derived Polyamido Amine
162	2014/02329	25-Mar-15	South Africa	A process for production of C3 olefins in a fluid catalytic cracking unit
163	2014/02330	25-Mar-15	South Africa	Novel adsorbent for removal of sulphur from diesel & gasoline like fuels & process for preparing the same
164	ZL 2011 80033663.8	1-Apr-15	CHINA	A Value Added Spent FCC Catalyst Composition & its Process of preparation
165	1467/MUM/2015	8-Apr-15	India	Bio-conversion of Refinery Waste Streams
166	BR 11 2015 008824-4	17-Apr-15	Brazil	Improved Microalgae Strains and use thereof
167	17901	22-Apr-15	Sri Lanka	Mosquito Larvicidal Oil composition
168	BE 2051784	29-Apr-15	Belgium	A method for Bio-Assisted treatment of oil contaminated soil containing water
169	DK 2051784	29-Apr-15	Denmark	A method for Bio-Assisted treatment of oil contaminated soil containing water
170	DE 2051784	29-Apr-15	Germany	A method for Bio-Assisted treatment of oil contaminated soil containing water
171	2013/07425	29-Apr-15	South Africa	Bio-augmentation composition and use thereof for improving efficiency of effluent treatment plant /hydrocarbon processing plant
172	2014/02328	29-Apr-15	South Africa	A process for enhancing nickel tolerance of heavy hydrocarbon cracking catalysts
173	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
174	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
175	SE 2051784	29-Apr-15	Sweden	A method for Bio-Assisted treatment of oil contaminated soil containing water
176	ZL 201080020809.0	13-May-15	CHINA	A Fluidized Catalytic Cracking Process
177	US 9034633	19-May-15	USA	Method for Bioremediation of highly aromatic hydrocarbon wastes
178	1987/MUM/2015	20-May-15	India	An Apparatus and Method for improved Contact of Hydrocarbon Feed with Catalyst in a FCCU
179	18235	21-May-15	Sri Lanka	Mixotrophic Cultivation of Microalgae for the Production of Biofuel
180	696/2015	27-May-15	UAE	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
181	2457/MUM/2015	26-Jun-15	India	Improved Ziegler Natta Catalyst and Process thereof
182	2480/MUM/2015	29-Jun-15	India	Bio-assisted Process for Treatment and Regeneration of Spent caustic
183	2800/MUM/2015	23-Jul-15	India	Modified Crumb Rubber Compositions
184	3254/MUM/2015	25-Aug-15	India	A Device and method for conversion of carbon dioxide to fuels and chemicals
185	3263/MUM/2015	26-Aug-15	India	Catalyst and Process for Conversion of Vacuum Resid to Middle Distillates
186	4219/MUM/2015	5-Nov-15	India	Calcium Sulphonate Grease Composition with Improved Water Resistance
187	269813	9-Nov-15	India	Metal Passivator Additive
188	4361/MUM/2015	19-Nov-15	India	Hydrocarbon Soluble Metal Composition and a Method of making it thereof
189	4423/MUM/2015	25-Nov-15	India	Process for Modification of Cellulose for use in Polypropylene as Nucleating Agent
190	2014/04476	25-Nov-15	South Africa	A Bio-assisted process for conversion of Carbon Di oxide to fuels and Hydrocarbons

191	4494/MUM/2015	30-Nov-15	India	Composition & Process for Preparation of Attrition Resistant Additive suitable for Cracking Hydrocarbon Feed
192	4495/MUM/2015	30-Nov-15	India	Process of Preparation of Drag Reducing Polymers and use thereof
193	ZL 2011 80037630.0	2-Dec-15	CHINA	Metal Passivator Additive and Process for Preparation
194	4573/MUM/2015	3-Dec-15	India	New Method on Floating Roof Tank Rim Seal Fire Detection and Fire Extinguishing System
195	4643/MUM/2015	9-Dec-15	India	Method of Pretreatment for enhanced Enzymatic Hydrolysis
196	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
197	4707/MUM/2015	15-Dec-15	India	A Formulation for Fast Recovery of Microbial Population
198	4763/MUM/2015	18-Dec-15	India	Enzyme Composition and use thereof for Capture of Carbon Dioxide from Mixture of Gases
199	4764/MUM/2015	18-Dec-15	India	Process for Confined Bioremediation of Hydrocarbon Sludge
200	2573562	21-Dec-15	Russia	A process for production of C3 olefins in a fluid catalytic cracking unit
201	EP 16150405.5	7-Jan-16	Europe	Process for In-Situ Synthesis of ZnO Nanoparticles in Oil
202	EP 16151090.4	13-Jan-16	Europe	Catalyst Process Modification and Polymerization thereof
203	EP 16151505.1	15-Jan-16	Europe	A Hot Rolloing Oil for Steel
204	2016 21001722	18-Jan-16	India	Process for High Purity Hexane and Production Thereof
205	EP 16152421.0	22-Jan-16	Europe	Thraustochytrid based Process for Treating Waste Effluent
206	116370243	25-Jan-16	Saudi Arabia	Catalyst Process Modification and Polymerization thereof
207	2015/01503	27-Jan-16	South Africa	Bio-inoculant and use thereof for treatment of effluent
208	2016 21004477	8-Feb-16	India	A Formulation and Process for Biohydrogen Production
209	US 9260672	16-Feb-16	USA	Process for deep desulfurization of cracked gasoline with minimum octane loss
210	2016 21005877	19-Feb-16	India	Energy Efficient Hydraulic Oil Composition
211	US 9266101	23-Feb-16	USA	A Value Added Spent FCC Catalyst Composition & its Process of preparation
212	CN 20161010 8294.9	26-Feb-16	China	A Hot Rolloing Oil for Steel
213	US 9272933	1-Mar-16	USA	Bio-augmentation composition and use thereof for improving efficiency of effluent treatment plant /hydrocarbon processing plant
214	5909817	8-Apr-16	Japan	Internal Donors for Ziegler Natta Catalyst Systems and process for preparing the same
215	EP 14704891.2	10-May-16	Europe	A Catalyst for Enhancing Liquid Yield in Thermal Cracking Process
216	US 15/035697	10-May-16	USA	A Catalyst for Enhancing Liquid Yield in Thermal Cracking Process
217	EP 16169911.1	17-May-16	Europe	An Apparatus and Method for improved Contact of Hydrocarbon Feed with Catalyst in a FCCU
218	4827	19-May-16	Saudi Arabia	Bio-inoculant and use thereof for treatment of effluent
219	273481	9-Jun-16	India	Storage Stable Crumb Rubber modified Bitumen & method of manufacturing thereof
220	SA 4895	23-Jun-16	Saudi Arabia	Catalyst for Polymerization of Olefins and Process Thereof
221	EP 16176986.4	29-Jun-16	Europe	Modified Crumb Rubber Compositions
222	2016 21024302	15-Jul-16	India	Delayed Coker Drum And Method Of Operating Thereof
223	2016 21025611	27-Jul-16	India	Multistage Controlled Bio-Digestion Process for Production of usable energy from waste Biomass and Organic Materials
224	US 15/222903	28-Jul-16	USA	A Process for simultaneous cracking of lighter and heavier hydrocarbon feed and system for the same
225	16183483.3	10-Aug-16	Europe	A Composition and a Process for the Preparation of Attrition Resistant Cracking Catalyst suitable for enhancing light olefins
226	16183488.2	10-Aug-16	Europe	Process and Composition for preparation of Cracking Catalyst suitable for enhancing LPG
227	2938808	11-Aug-16	Canada	Delayed Coking Process with Pre-cracking Reactor
228	18926	12-Aug-16	Sri Lanka	Long Drain Tractor Lubricant Composition with Antichatter Characteristics
229	18925	12-Aug-16	Sri Lanka	Delayed Coking Process with Pre-cracking Reactor
230	5983973	12-Aug-16	Japan	Preparation of Polymer Modified Bitumen (PMB) from Polyethylene Terephthalate (PET) derived Polyamido Amine
231	5984173	12-Aug-16	Japan	Catalyst for Polymerization of Olefins and Process Thereof
232	116370843	13-Aug-16	Saudi Arabia	Long Drain Tractor Lubricant Composition with Antichatter Characteristics

233	116370842	13-Aug-16	Saudi Arabia	Cracking Catalyst Composition of Heavy Hydrocarbon Feedstocks and Process for Preparing the Same
234	116370844	13-Aug-16	Saudi Arabia	Composition & Process for Preparation of Attrition Resistant Additive suitable fo Cracking Hydrocarbon Feed
235	905/2016	15-Aug-16	UAE	Long Drain Tractor Lubricant Composition with Antichatter Characteristics
236	906/2016	15-Aug-16	UAE	A Composition and a Process for the Preparation of Attrition Resistant Cracking Catalyst suitable for enhancing light olefins
237	904/2016	15-Aug-16	UAE	Process and Composition for preparation of Cracking Catalyst suitable for enhancing LPG
238	909/2016	15-Aug-16	UAE	Cracking Catalyst Composition of Heavy Hydrocarbon Feedstocks and Process for Preparing the Same
239	908/2016	15-Aug-16	UAE	Process and composition for preparation of cracking catalyst suitable for enhancing yields of light olefins
240	907/2016	15-Aug-16	UAE	Composition & Process for Preparation of Attrition Resistant Additive suitable fo Cracking Hydrocarbon Feed
241	116370859	16-Aug-16	Saudi Arabia	A Composition and a Process for the Preparation of Attrition Resistant Cracking Catalyst suitable for enhancing light olefins
242	116370857	16-Aug-16	Saudi Arabia	Process and Composition for preparation of Cracking Catalyst suitable for enhancing LPG
243	116370858	16-Aug-16	Saudi Arabia	Delayed Coking Process with Pre-cracking Reactor
244	16184434.5	17-Aug-16	Europe	Production of High Yield of Syngas through Regeneration of Coked Upgrading Agent
245	OM/P/2016/00236	17-Aug-16	Oman	Long Drain Tractor Lubricant Composition with Antichatter Characteristics
246	914/2016	17-Aug-16	UAE	Delayed Coking Process with Pre-cracking Reactor
247	15/239363	17-Aug-16	USA	Catalyst and Process for Conversion of Vacuum Resid to Middle Distillates
248	16184984.9	19-Aug-16	Europe	Process for Production of High Quality Syngas through Regeneration of Coked Up gradation Agent
249	18944	19-Aug-16	Sri Lanka	A Device and method for convversion of carbon dioxide to fuels and chemicals
250	116370868	20-Aug-16	Saudi Arabia	Process and composition for preparation of cracking catalyst suitable for enhancing yields of light olefins
251	5014	21-Aug-16	Saudi Arabia	Organometallic compounds in solid form, process for preparing the same and use thereof
252	116370882	23-Aug-16	Saudi Arabia	A Device and method for conversion of carbon dioxide to fuels and chemicals
253	275172	26-Aug-16	India	Process for the preparation of High Crystallite Size Faujasite type Zeolite
254	9433912	6-Sep-16	USA	A Process for simultaneous cracking of lighter and heavier hydrocarbon feed and system for the same
255	9434892	6-Sep-16	USA	Two stage fluid catalytic cracking apparatus & process for production of different hydrocarbons
256	9441252	13-Sep-16	USA	Process for producing Lipids suitable for Biofuels
257	2890646	14-Sep-16	France	Bio-inoculant and use thereof for treatment of effluent
258	2890646	14-Sep-16	GB	Bio-inoculant and use thereof for treatment of effluent
259	2890646	14-Sep-16	Germany	Bio-inoculant and use thereof for treatment of effluent
260	CA 2795117	20-Sep-16	Canada	Method and Apparatus for Catalytic Cracking
261	275960	27-Sep-16	India	Composition of Heavy duty engine coolant
262	6026661	21-Oct-16	Japan	Precursor for catalyst, process for preparing the same and use thereof
263	6026662	21-Oct-16	Japan	Organometallic compounds in solid form, process for preparing the same and use thereof
264	10-1677602	14-Nov-16	South Korea	Internal Donors for Ziegler Natta Catalyst Systems and process for preparing the same
265	10-1677694	14-Nov-16	South Korea	Catalyst for Polymerization of Olefins and Process Thereof
266	10-1677700	14-Nov-16	South Korea	Precursor for catalyst, process for preparing the same and use thereof
267	10-1677737	14-Nov-16	South Korea	Organometallic Compounds in Solid form, Process for Preparing the Same and Use Thereof
268	277506	23-Nov-16	India	Improved Lubricating Oil Composition

269	BR10 2016 028978-5	9-Dec-16	Brazil	Method of Pretreatment for enhanced Enzymatic Hydrolysis
270	116380176	11-Dec-16	Saudi Arabia	A Formulation for Fast Recovery of Microbial Population
271	P6000355/2016	12-Dec-16	UAE	A Formulation for Fast Recovery of Microbial Population
272	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
273	116380194	14-Dec-16	Saudi Arabia	Process for Confined Bioremediation of Hydrocarbon Sludge
274	116380200	18-Dec-16	Saudi Arabia	Enzyme Composition and use thereof for Capture of Carbon Dioxide from Mixture of Gases
275	1292/2016	18-Dec-16	UAE	Enzyme Composition and use thereof for Capture of Carbon Dioxide from Mixture of Gases
276	1290/2016	18-Dec-16	UAE	Process for Confined Bioremediation of Hydrocarbon Sludge
277	278495	23-Dec-16	India	Novel Reactive Adsorption and process for removal of refractory sulfur compounds from various refinery streams
278	9528001	27-Dec-16	USA	Preparation of Polymer Modified Bitumen (PMB) from Polyethylene Terephthalate (PET) derived Polyamido Amine
279	15/393154	28-Dec-16	USA	A method and hardware for supplying additives to the delayed coker drum
280	OM/P/2017/007	5-Jan-17	Oman	Energy Efficient High Performance Industrial Gear Oil and Composition Thereof
281	2017110	5-Jan-17	UAE	Energy Efficient High Performance Industrial Gear Oil and Composition Thereof
282	2607943	11-Jan-17	Russia	Internal Donors for Ziegler Natta Catalyst Systems and process for preparing the same
283	15/409218	18-Jan-17	USA	Process for High Purity Hexane and Production Thereof
284	279866	31-Jan-17	India	Upflow regeneration of FCC catalyst for multistage cracking
285	OM/P/2017/00045	16-Feb-17	Oman	Energy Efficient Hydraulic Oil Composition
286	19201	17-Feb-17	Sri Lanka	Energy Efficient Hydraulic Oil Composition
287	117380423	19-Feb-17	Saudi Arabia	Energy Efficient Hydraulic Oil Composition
288	P6000157/2017	19-Feb-17	UAE	Energy Efficient Hydraulic Oil Composition
289	9573865	21-Feb-17	USA	A process for production of C3 olefins in a fluid catalytic cracking unit
290	9587041	7-Mar-17	USA	Organometallic compounds in solid form, process for preparing the same and use thereof
291	2897985	8-Mar-17	Germany	Catalyst for Polymerization of Olefins and Process Thereof
292	2897985	8-Mar-17	Italy	Catalyst for Polymerization of Olefins and Process Thereof
293	9593172	14-Mar-17	USA	Internal Donors for Ziegler Natta Catalyst Systems and process for preparing the same
294	2615128	4-Apr-17	Russia	Organometallic compounds in solid form, process for preparing the same and use thereof
295	2615153	4-Apr-17	Russia	Catalyst for Polymerization of Olefins and Process Thereof
296	9611210	4-Apr-17	USA	Single Pot Synthesis of Dialkyl Carbonates using Catalyst from Natural Resource
297	9616408	11-Apr-17	USA	Adsorbent for removal of con-carbon and contaminated metals present in Hydrocarbon Feed
298	19145	1-May-17	Sri Lanka	Energy Efficient High Performance Industrial Gear Oil and Composition Thereof
299	9637693	2-May-17	USA	Process for reduction of sulfur in FCC liquid products through the use of CO as a reducing agent
300	283180	8-May-17	India	A Dual Function Catalyst Additive Composition and a process for preparation thereof
301	9644155	9-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
302	9644050	9-May-17	USA	Particle Size Distribution Control through Internal Donor in Ziegler Natta Catalyst
303	2017 21017139	16-May-17	India	Process for Insitu Synthesis of Dispersion ZnO-TiO2 nanoparticles in oil
304	2017 21017321	17-May-17	India	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof
305	6143898	19-May-17	Japan	Catalyst Process Modification and Polymerization thereof



306	2017 21018010	23-May-17	India	Multimetal Composition for production of Morphology Controlled Carbon Nanotube and process thereof
307	283613	26-May-17	India	Process for deep desulfurization of cracked gasoline with minimum octane loss
308	IDP000046157	2-Jun-17	Indonesia	Bioremediation of acidic sludge
309	2017 21019552	3-Jun-17	India	Apparatus for Distribution of Catalyst in Fluidized Catalytic Cracking Unit
310	284001	7-Jun-17	India	Composition of high performance semi-synthetic, bio-stable and operator friendly soluble cutting oil
311	9676876	13-Jun-17	USA	Catalyst for Polymerization of Olefins and Process Thereof
312	2017 21020909	15-Jun-17	India	External Donor for Olefin Polymerization
313	2623228	23-Jun-17	Russia	Precursor for catalyst, process for preparing the same and use thereof
314	2017 21022573	28-Jun-17	India	Apparatus and Method for Converting Liquid Stream into Fine Droplets
315	2017 21024070	7-Jul-17	India	Device for Progressive Pressure Reduction of Flue Gas
316	ZL 2013 80043619.4	18-Jul-17	China	Precursor for catalyst, process for preparing the same and use thereof
317	2017 21026725	27-Jul-17	India	Corrosion Inhibitor Composition for Pipelines
318	5472	27-Jul-17	Saudi Arabia	A Process for Production of Oligomer Product from Hydrocarbon Feedstock
319	286070	4-Aug-17	India	Apparatus and Process for Gas to Liquid (GTL) Conversion
320	117380824	12-Aug-17	Saudi Arabia	Production of Propylene in Fluid Catalytic Cracking Unit
321	2017 21029118	17-Aug-17	India	Process for Conversion of Residue Employing De-Asphalting and Delayed Coking
322	9758602	12-Sep-17	USA	Catalyst for Olefin Polymerization and Polymerization thereof
323	287453	18-Sep-17	India	A Process for Simultaneous Cracking of Lighter and Heavier Hydrocarbon Feed and System for the Same.
324	9771526	26-Sep-17	USA	Multi Riser Resid Catalytic cracking Process and Apparatus
325	2017 21034750	29-Sep-17	India	Reactor System for Upgrading Heavy Hydro-Carbonaceous Material
326	2017 21035368	5-Oct-17	India	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
327	288184	9-Oct-17	India	Composition of oil for high speed thin and thick gauge steel sheet rolling in Tandem Mills
328	9783744	10-Oct-17	USA	Process of Upgradation of Residue Oil Feedstock
329	CN 20138004 3876.8	24-Oct-17	China	Catalyst for Polymerization of Olefins and Process Thereof
330	2017 21039690	7-Nov-17	India	Photo Electrodes for Hydrogen Generation and Module Thereof
331	CN 20138003 7613.6	7-Nov-17	China	Internal Donors for Ziegler Natta Catalyst Systems and process for preparing the same
332	2998020	8-Nov-17	Netherland	Fluid Catalytic Cracking Additive Composition and Process for Preparing Thereof
333	289524	13-Nov-17	India	Carrier oil composition for spray of fungicides on rubber plantations and other crops
334	9828555	28-Nov-17	USA	Improved deasphaqlting process for production of feedstocks for dual applications
335	290058	29-Nov-17	India	Development of high Performance Multipurpose Oil for Hydraulic cum Cutting Applications
336	290290	5-Dec-17	India	Multi Riser Resid Catalytic Cracking Process and Apparatus
337	2017 21044020	7-Dec-17	India	High Dropping Point Mixed Base Complex Greases and Method of Their Production
338	9840671	12-Dec-17	USA	Delayed Coking Process
339	2017 21045043	14-Dec-17	India	Foam Extinguishing System for Cone Roof Tank
340	6258983	15-Dec-17	Japan	Thraustochytrid based Process for Treating Waste Effluent
341	2017 21045561	19-Dec-17	India	Two Stage Thermal Cracking Process with Multistage Separation System
342	2017 21046122	21-Dec-17	India	An Integrated Fluid Catalytic Cracking and Oxidative Propane Dehydrogenation Process
343	2519341	3-Jan-18	Netherland	Feed Nozzle Assembly
344	2519341	3-Jan-18	Turkey	Feed Nozzle Assembly
345	9862829	9-Jan-18	USA	Hybrid Bitumen Composition and Process of preparation thereof
346	2018 21001667	15-Jan-18	India	Marine Cylinder Lubricant for Scuffing Control
347	9868903	16-Jan-18	USA	Liquid Phase Additive for use in Thermal Cracking Process to improve Product Yields

348	2569400	17-Jan-18	Germany	Two Stage Gasifier for Generating Syngas
349	2569400	17-Jan-18	Spain	Two Stage Gasifier for Generating Syngas
350	2569400	17-Jan-18	GB	Two Stage Gasifier for Generating Syngas
351	2018 21002414	20-Jan-18	India	A Process for Conversion of High Acidic Crude Oils
352	9873096	23-Jan-18	USA	Feed Nozzle Assembly
353	9873752	23-Jan-18	USA	Catalyst Process Modification and Polymerization thereof
354	292052	24-Jan-18	India	High performance gear lubricant with enhanced drain potential for heavy duty commercial vehicles
355	6282299	2-Feb-18	Japan	Catalyst for Olefin Polymerization and Polymerization thereof
356	2018 21005003	9-Feb-18	India	Additive Composition Useful for Improved Production of Fermentable Sugars from Lignocellulose Biomass
357	ZL 2014 10858441.5	13-Feb-18	China	Method and System for Testing and Evaluating Heat Transfer Elements at High Temperature Operations
358	9890229	13-Feb-18	USA	Precursor for catalyst, process for preparing the same and use thereof
359	9890402	13-Feb-18	USA	Thraustochytrid based Process for Treating Waste Effluent
360	9890045	13-Feb-18	USA	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
361	2018 21005594	14-Feb-18	India	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
362	2018 21006440	20-Feb-18	India	Metal Salts of Malonic Acid as Nucleating Additives for Crystalline Thermoplastics
363	9896523	20-Feb-18	USA	Improved Ziegler Natta Catalyst and Process thereof
364	2018 21006613	21-Feb-18	India	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
365	2018 21006979	23-Feb-18	India	Apparatus for Gas-Liquid Distribution in Hydroprocessing Reactors
366	6293222	23-Feb-18	Japan	Production of High Yield of Syngas through Regeneration of Coked Upgrading Agent
367	2018 21007391	27-Feb-18	India	A Catalyst Composition for Conversion of Alkanes to Alkenes and Method of Preparation Thereof
368	293651	28-Feb-18	India	A Fluidized Catalytic Cracking process
369	2645713	28-Feb-18	Russia	Process of Preparation of Drag Reducing Polymers and use thereof
370	5782	4-Mar-18	Saudi Arabia	Particle Size Distribution Control through Internal Donor in Ziegler Natta Catalyst
371	2018 21008250	6-Mar-18	India	Novel Composition of High Performance Bearing Oil for Steel Plants
372	293863	6-Mar-18	India	Novel Catalyst composition for biodiesel production and a process for producing biodiesel and the product thereof
373	2018 21008448	7-Mar-18	India	Assorted Co-Staging and Counter Staging in Hydrotreating
374	286038	7-Mar-18	India	A Polypouch for Packaging of Superior Kerosene Oil
375	EP 18160371.3	7-Mar-18	Europe	Apparatus and Method for Converting Liquid Stream into Fine Droplets
376	2591081	7-Mar-18	Belgium	Process for the Removal of Metals from Oils / Fats
377	2591081	7-Mar-18	France	Process for the Removal of Metals from Oils / Fats
378	2591081	7-Mar-18	Germany	Process for the Removal of Metals from Oils / Fats
379	2591081	7-Mar-18	Spain	Process for the Removal of Metals from Oils / Fats
380	2018 21008490	8-Mar-18	India	Bio-Assisted Process for Conversion of Solar Energy to Fuels and Hydrocarbons
381	JP 2018-041962	8-Mar-18	Japan	Multimetal Composition for production of Morphology Controlled Carbon Nanotube and process thereof
382	JP 2018-041961	8-Mar-18	Japan	External Donor for Olefin Polymerization
383	SA 118390421	8-Mar-18	Saudi Arabia	External Donor for Olefin Polymerization
384	SA 118390423	8-Mar-18	Saudi Arabia	Apparatus and Method for Converting Liquid Stream into Fine Droplets
385	US 15/915289	8-Mar-18	USA	Multimetal Composition for production of Morphology Controlled Carbon Nanotube and process thereof
386	US 15/915266	8-Mar-18	USA	External Donor for Olefin Polymerization
387	2018 21008814	9-Mar-18	India	Catalyst Additive Composition for Reduction of Sulfur in Gasoline

388	2018 21008684	9-Mar-18	India	Process for Production of Petrochemicals from Cracked Streams
389	BH 41/2018	9-Mar-18	Bahrain	Apparatus and Method for Converting Liquid Stream into Fine Droplets
390	EP 18160854.8	9-Mar-18	Europe	Process for Conversion of Residue Employing De-Asphalting and Delayed Coking
391	EP 18161020.5	9-Mar-18	Europe	Apparatus for Distribution of Catalyst in Fluidized Catalytic Cracking Unit
392	EP 18160961.1	9-Mar-18	Europe	External Donor for Olefin Polymerization
393	EP 18160965.2	9-Mar-18	Europe	Multimetal Composition for production of Morphology Controlled Carbon Nanotube and process thereof
394	MY PI 2018000345	9-Mar-18	Malaysia	Apparatus and Method for Converting Liquid Stream into Fine Droplets
395	5792	11-Mar-18	Saudi Arabia	Catalyst for Olefin Polymerization and Polymerization thereof
396	2018 21008904	12-Mar-18	India	Nano Perovskite Materials as Combustion Improver for Liquid and Gaseous Fuels
397	2018 21008923	12-Mar-18	India	Composition and Process Thereof for Catalyst for Hydro-Conversion of LCO Involving Partial Ring Opening of Poly-Aromatics
398	2018 21008982	12-Mar-18	India	Improved Method for Second Generation Ethanol Production from Lignocellulosic Biomass
399	9914789	13-Mar-18	USA	Internal Donors for Ziegler Natta Catalyst Systems and process for preparing the same
400	2018 21009341	14-Mar-18	India	A formulation to Stabilize Ligno-Cellulolytic Enzyme
401	2018 21009599	15-Mar-18	India	Bio-Assisted Process for Conversion of Mixed Volatile Fatty Acids to Selective Drop-in-Fuels
402	2018 21009529	15-Mar-18	India	Efficient Bi-Inorganic System for Treatment of Sulphidic Waste Water Streams containing other Contaminants
403	BR 10 2018 005218-7	15-Mar-18	Brazil	Corrosion Inhibitor Composition for Pipelines
404	PI 2018 701035	15-Mar-18	Malaysia	Corrosion Inhibitor Composition for Pipelines
405	CN 2018 102208869	16-Mar-18	China	External Donor for Olefin Polymerization
406	ZL 20138004 3620.7	16-Mar-18	China	Organometallic Compounds in Solid Form, Process for Preparing the Same and Use thereof
407	EP 18162601.1	19-Mar-18	Europe	Corrosion Inhibitor Composition for Pipelines
408	2018 21010155	20-Mar-18	India	Nano-Crystallite Binder Based CO Combustion Promoter
409	9920266	20-Mar-18	USA	An Apparatus and Method for improved Contact of Hydrocarbon Feed with Catalyst in a FCCU
410	2018 23011157	26-Mar-18	India	Delayed Coking Process with Pre-cracking Reactor
411	US 15/935828	26-Mar-18	USA	Delayed Coking Process with Pre-cracking Reactor
412	294969	27-Mar-18	India	System for Production of Hydrogen-Compressed Natural Gas Mixture and Process Thereof
413	295061	27-Mar-18	India	Metal Passivator Additive & Process for Preparing
414	P6000435/2018	27-Mar-18	UAE	Delayed Coking Process with Pre-cracking Reactor
415	9932529	3-Apr-18	USA	A Process for Manufacturing of Rubber Oils with Extremely Low Carcinogenic Polycyclic Aromatic Compounds
416	9938175	10-Apr-18	USA	Bio-Assisted Process for Treatment and Regeneration of Spent Caustic
417	9944862	17-Apr-18	USA	A Process and A Reactor for Enhancing Liquid Yield of Heavy Hydrocarbon Feed Stock
418	295884	18-Apr-18	India	Reactor Assembly for improving reaction between two immiscible phases for metal reduction of hydrocarbons
419	2650925	18-Apr-18	Russia	Delayed Coking Process with Pre-cracking Reactor
420	2018 21015589	25-Apr-18	India	Novel Method for Improving Efficiency of Power Generator through Hybridization with Solid Oxide Fuel Cell
421	296312	27-Apr-18	India	A Process for Metal Reduction of Hydrocarbon Oil
422	296401	1-May-18	India	Novel Adsorbent for Removal of Sulphur from Diesel & Gasoline Like Fuels & Process for Preparing the Same
423	3118641	9-May-18	Czech Republic	A Modified Giant Impedance (GMI) based Sensing Device for Detection of Carburisation in Austenitic Stainless Steel
424	2949636	9-May-18	France	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
425	3118641	9-May-18	France	A Modified Giant Impedance (GMI) based Sensing Device for Detection of Carburisation in Austenitic Stainless Steel

426	2949636	9-May-18	GB	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
427	3118641	9-May-18	GB	A Modified Giant Impedance (GMI) based Sensing Device for Detection of Carburisation in Austenitic Stainless Steel
428	2949636	9-May-18	Germany	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
429	3118641	9-May-18	Germany	A Modified Giant Impedance (GMI) based Sensing Device for Detection of Carburisation in Austenitic Stainless Steel
430	2949636	9-May-18	Italy	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
431	2949636	9-May-18	Netherland	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
432	5899	9-May-18	Saudi Arabia	Bio-conversion of Refinery Waste Streams
433	2949636	9-May-18	Spain	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
434	3118641	9-May-18	Turkey	A Modified Giant Impedance (GMI) based Sensing Device for Detection of Carburisation in Austenitic Stainless Steel
435	6333899	11-May-18	Japan	Process for Production of High Quality Syngas through Regeneration of Coked Up gradation Agent
436	1243	13-May-18	Oman	Bio-inoculant and use thereof for treatment of effluent
437	EP 18172605.0	16-May-18	Europe	Process for Insitu Synthesis of Dispersion ZnO-TiO2 nanoparticles in Oil
438	297078	24-May-18	India	A Method and Hardware for Supplying Additives to the Delayed Coker Drum
439	297085	24-May-18	India	Two Stage Fluid Catalytic Cracking Process and Apparatus
440	9981246	29-May-18	USA	A Catalyst Composition for Catalytic Cracking a Process of Preparation thereof Process
441	297367	4-Jun-18	India	A Process for Manufacturing of Rubber Oils with Extremely Low Carcinogenic Polycyclic Aromatic Compounds
442	3135749	6-Jun-18	France	Catalyst and Process for Conversion of Vacuum Resid to Middle Distillates
443	3135749	6-Jun-18	Italy	Catalyst and Process for Conversion of Vacuum Resid to Middle Distillates
444	3135749	6-Jun-18	Netherland	Catalyst and Process for Conversion of Vacuum Resid to Middle Distillates
445	297529	8-Jun-18	India	A process for enhancing nickel tolerance of heavy hydrocarbon cracking catalysts
446	2018 21022212	14-Jun-18	India	A Process for Production of Superior Quality Coke
447	2018 21022592	16-Jun-18	India	Method of Making Hydrocarbon Soluble Metal Compositions
448	297749	18-Jun-18	India	A Broaching Oil for Heavy Duty Neat Cutting Oil Composition
449	10001531	19-Jun-18	USA	A Modified Giant Impedance (GMI) based Sensing Device for Detection of Carburisation in Austenitic Stainless Steel
450	6357202	22-Jun-18	Japan	Delayed Coking Process with Pre-cracking Reactor
451	2018 21024153	28-Jun-18	India	Process for Recovering Higher Sugar from Biomass
452	298402	2-Jul-18	India	A Two Stage Gasifier for Generating Syngas
453	10017703	10-Jul-18	USA	Process Intensification in Hydroprocessing
454	2990463	11-Jul-18	Germany	A Catalyst Composition for Catalytic Cracking a Process of Preparation thereof
455	2990463	11-Jul-18	Italy	A Catalyst Composition for Catalytic Cracking a Process of Preparation thereof
456	2990463	11-Jul-18	Netherland	A Catalyst Composition for Catalytic Cracking a Process of Preparation thereof
457	298832	13-Jul-18	India	Method for detection of kerosene adulteration with extrinsic marker in Gasoline, ATF and Diesel
458	3165585	18-Jul-18	Germany	Process of Up gradation of Residual Oil Feedstock
459	3165585	18-Jul-18	Italy	Process of Up gradation of Residual Oil Feedstock
460	299003	19-Jul-18	India	Hydroprocessing Catalyst Composition and Process Thereof
461	299098	23-Jul-18	India	A Process for Production of C3 Olefins in a Fluid Catalytic Cracking Unit

462	6374513	27-Jul-18	Japan	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
463	6037	31-Jul-18	Saudi Arabia	Fluid Catalytic Cracking Additive Composition and Process for Preparing Thereof
464	6038	31-Jul-18	Saudi Arabia	A Catalyst Composition for Catalytic Cracking a Process of Preparation thereof Process
465	10-1885812	31-Jul-18	South Korea	Process of Preparation of Drag Reducing Polymers and use thereof
466	2018 41029023	2-Aug-18	India	An Optimized and Modular Horizontal Axis Hydrokinetic Energy System for Low Flow Speeds
467	2018 21030075	10-Aug-18	India	A System and Method for Operation of Fuel Cell System with Variable Fuel Composition
468	10047300	14-Aug-18	USA	A Process for Metal Reduction of Hydrocarbon Oil
469	10059902	28-Aug-18	USA	Process for In-Situ Synthesis of ZnO Nanoparticles in Oil
470	2018 21032404	29-Aug-18	India	Process for CO2 Capture from Gaseous Streams
471	3099662	29-Aug-18	France	Single Pot Synthesis of Dialkyl Carbonates using Catalyst from Natural Resource
472	3099662	29-Aug-18	Germany	Single Pot Synthesis of Dialkyl Carbonates using Catalyst from Natural Resource
473	EP 18191726.1	30-Aug-18	Europe	Reactor System for Upgrading Heavy Hydro-Carbonaceous Material
474	3162819	5-Sep-18	Germany	Improved Ziegler Natta Catalyst and Process thereof
475	3162819	5-Sep-18	Italy	Improved Ziegler Natta Catalyst and Process thereof
476	2018 21033531	6-Sep-18	India	Process for Selective Production of Light Olefins and Aromatics from Cracked Light Naphtha
477	2018 21033799	7-Sep-18	India	A Process for Bio-sludge Reduction in Hydrocarbon Refinery Effluent Treatment Plant through Microbial Interventions
478	300861	7-Sep-18	India	Process for reduction of sulfur in FCC liquid products through the use of CO as a reducing agent
479	18094	7-Sep-18	Sri Lanka	Multi Utility Solar led lighting device
480	2872604	12-Sep-18	Austria	Process for producing various viscosity grades of Bitumen
481	2872604	12-Sep-18	France	Process for producing various viscosity grades of Bitumen
482	2872604	12-Sep-18	GB	Process for producing various viscosity grades of Bitumen
483	2872604	12-Sep-18	Germany	Process for producing various viscosity grades of Bitumen
484	2018 21034591	13-Sep-18	India	Catalyst Composition and a Process of Preparation of Catalyst for Enhancing Yield of Olefins and Distillates in Fluid Catalytic Cracking process (FCC)
485	2018 21034660	14-Sep-18	India	Method and System for Secure Authentication based Dispensing of Fuel from Fuel Dispensing Unit
486	2018 21034661	14-Sep-18	India	Cloud Based Platform for Remote Management of Fuel Dispenser Unit
487	2018 21034662	14-Sep-18	India	System and Method for Securing Access to Fuel Dispenser Unit
488	301218	20-Sep-18	India	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
489	175/2018	24-Sep-18	Bahrain	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
490	OM/P/2018/00297	25-Sep-18	Oman	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
491	2017/05646	26-Sep-18	South Africa	Production of Propylene in Fluid Catalytic Cracking Unit
492	2018 21036496	27-Sep-18	India	Method for Preparation and Screening of Fungal Mutant with High Hydrolytic Activity and Catabolite Derepressed Character
493	P6001359/2018	27-Sep-18	UAE	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
494	P6001360/2018	27-Sep-18	UAE	High Dropping Point Mixed Base Complex Greases and Method of Their Production

495	18197474.2	28-Sep-18	Europe	Photo Electrodes for Hydrogen Generation and Module Thereof
496	2018-184187	28-Sep-18	Japan	Photo Electrodes for Hydrogen Generation and Module Thereof
497	10-2018-0116243	28-Sep-18	South Korea	Photo Electrodes for Hydrogen Generation and Module Thereof
498	16/145866	28-Sep-18	USA	Photo Electrodes for Hydrogen Generation and Module Thereof
499	16/147,724	29-Sep-18	USA	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
500	QA/201809/00425	30-Sep-18	Qatar	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
501	118400063	30-Sep-18	Saudi Arabia	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
502	3059261	3-Oct-18	Germany	Catalyst for Olefin Polymerization and Polymerization thereof
503	3059261	3-Oct-18	Italy	Catalyst for Olefin Polymerization and Polymerization thereof
504	3059261	3-Oct-18	Spain	Catalyst for Olefin Polymerization and Polymerization thereof
505	10094399	9-Oct-18	USA	Process of Preparation of Drag Reducing Polymers and use thereof
506	10100136	16-Oct-18	USA	Organometallic compounds in solid form, process for preparing the same and use thereof
507	3022405	26-Oct-18	Canada	Two Stage Thermal Cracking Process with Multistage Separation System
508	1726/2018	29-Oct-18	Egypt	Marine Cylinder Lubricant for Scuffing Control
509	2018 21040950	30-Oct-18	India	Engineered Electrode for Electrobiocatalysis and Process to Construct the Same
510	AP/P/2018/011110	30-Oct-18	ARIPO	Marine Cylinder Lubricant for Scuffing Control
511	LK/P/20209	30-Oct-18	Sri Lanka	Marine Cylinder Lubricant for Scuffing Control
512	EP 18203869.5	31-Oct-18	Europe	Two Stage Thermal Cracking Process with Multistage Separation System
513	2018-204884	31-Oct-18	Japan	Foam Extinguishing System for Cone Roof Tank
514	QA/201810/00471	31-Oct-18	Qatar	An Integrated Fluid Catalytic Cracking and Oxidative Propane Dehydrogenation Process
515	118400152	31-Oct-18	Saudi Arabia	Two Stage Thermal Cracking Process with Multistage Separation System
516	118400153	31-Oct-18	Saudi Arabia	An Integrated Fluid Catalytic Cracking and Oxidative Propane Dehydrogenation Process
517	P6001509/2018	31-Oct-18	UAE	Two Stage Thermal Cracking Process with Multistage Separation System
518	P6001510/2018	31-Oct-18	UAE	An Integrated Fluid Catalytic Cracking and Oxidative Propane Dehydrogenation Process
519	P6001511/2018	31-Oct-18	UAE	Marine Cylinder Lubricant for Scuffing Control
520	16/176679	31-Oct-18	USA	Two Stage Thermal Cracking Process with Multistage Separation System
521	302800	1-Nov-18	India	Mosquito Larvicidal Oil composition
522	2018 11300081.1	7-Nov-18	China	Photo Electrodes for Hydrogen Generation and Module Thereof
523	2831201	14-Nov-18	Austria	An Apparatus & a Process for Fluid Catalytic Cracking
524	2831201	14-Nov-18	Germany	An Apparatus & a Process for Fluid Catalytic Cracking
525	2831201	14-Nov-18	Italy	An Apparatus & a Process for Fluid Catalytic Cracking
526	2831201	14-Nov-18	Romania	An Apparatus & a Process for Fluid Catalytic Cracking
527	2831201	14-Nov-18	Turkey	An Apparatus & a Process for Fluid Catalytic Cracking
528	CA 3024814	20-Nov-18	Canada	A Process for Conversion of High Acidic Crude Oils
529	10131589	20-Nov-18	USA	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
530	10130929	20-Nov-18	USA	An Apparatus & a Process for Fluid Catalytic Cracking
531	10130943	20-Nov-18	USA	Catalyst Composition for Fluid Catalytic Cracking, Process for Preparing the Same and Use Thereof
532	2018 21043912	21-Nov-18	India	Highly Active Catalyst for Dehydrogenation of Alkanes and Method of Preparation Thereof
533	15426	21-Nov-18	Sri Lanka	A Polypouch for packaging of superior kerosene oil
534	EP 18208653.8	27-Nov-18	Europe	A Process for Conversion of High Acidic Crude Oils
535	10137438	27-Nov-18	USA	Hydroprocessing Catalyst Composition and Process Thereof

536	2018 21044919	28-Nov-18	India	Provident Method of Cellulases Enzymes Production by Penicillium Funiculosum MRJ-16 Using Minimum Media Components
537	118400244	28-Nov-18	Saudi Arabia	A Process for Conversion of High Acidic Crude Oils
538	3026056	29-Nov-18	Canada	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
539	OM/P/2018/00376	29-Nov-18	Oman	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
540	118400251	29-Nov-18	Saudi Arabia	Apparatus for Gas-Liquid Distribution in Hydroprocessing Reactors
541	P6001667/2018	29-Nov-18	UAE	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
542	EP 18209628.9	30-Nov-18	Europe	Apparatus for Gas-Liquid Distribution in Hydroprocessing Reactors
543	EP 18209577.8	30-Nov-18	Europe	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
544	US 16/206936	30-Nov-18	USA	A Process for Conversion of High Acidic Crude Oils
545	US 16/206939	30-Nov-18	USA	Apparatus for Gas-Liquid Distribution in Hydroprocessing Reactors
546	2673879	3-Dec-18	Russia	Production of Propylene in Fluid Catalytic Cracking Unit
547	118400262	5-Dec-18	Saudi Arabia	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
548	11407	5-Dec-18	Nigeria	Two Stage Thermal Cracking Process with Multistage Separation System
549	11408	5-Dec-18	Nigeria	An Integrated Fluid Catalytic Cracking and Oxidative Propane Dehydrogenation Process
550	304111	6-Dec-18	India	Multi metal nanodispersion for reducing corrosive sulphate anion generated during combustion from fuel oil
551	518400600	6-Dec-18	Saudi Arabia	Organometallic compounds in solid form, process for preparing the same and use thereof
552	304310	11-Dec-18	India	A Solid Phase Additive Material for Ternal Cracking Process
553	2591071	12-Dec-18	Austria	Upflow regeneration of FCC catalyst for multistage cracking
554	2591071	12-Dec-18	Germany	Upflow regeneration of FCC catalyst for multistage cracking
555	2591071	12-Dec-18	Italy	Upflow regeneration of FCC catalyst for multistage cracking
556	2591071	12-Dec-18	Romania	Upflow regeneration of FCC catalyst for multistage cracking
557	2591071	12-Dec-18	Turkey	Upflow regeneration of FCC catalyst for multistage cracking
558	304858	21-Dec-18	India	Exfoliation of Layered Materials in Oil Soluble Ionic Liquids
559	10159951	25-Dec-18	USA	FCC Feed Injector with Improved Atomization
560	2676039	25-Dec-18	Russia	Apparatus and Method for Converting Liquid Stream into Fine Droplets
561	2018-242380	26-Dec-18	Japan	Metal Salts of Malonic Acid as Nucleating Additives for Crystalline Thermoplastics
562	QA/201812/00578	26-Dec-18	Qatar	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
563	2133-2018	27-Dec-18	Egypt	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
564	EP 18248010.3	27-Dec-18	Europe	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
565	EP 18248015.2	27-Dec-18	Europe	Metal Salts of Malonic Acid as Nucleating Additives for Crystalline Thermoplastics
566	2018 11636834.6	29-Dec-18	China	Metal Salts of Malonic Acid as Nucleating Additives for Crystalline Thermoplastics
567	240/2018	30-Dec-18	Bahrain	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product

568	118400322	30-Dec-18	Saudi Arabia	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
569	P6001849/2018	30-Dec-18	UAE	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
570	OM/P/2018/00420	31-Dec-18	Oman	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
571	US 16/237288	31-Dec-18	USA	Metal Salts of Malonic Acid as Nucleating Additives for Crystalline Thermoplastics
572	305271	2-Jan-19	India	Vacuum Resid Upgradation and Graphite Production
573	2924096	2-Jan-19	Austria	Preparation of Polymer Modified Bitumen (PMB) from Polyethylene Terephthalate (PET) derived Polyamido Amine
574	2924096	2-Jan-19	Germany	Preparation of Polymer Modified Bitumen (PMB) from Polyethylene Terephthalate (PET) derived Polyamido Amine
575	2017206274	3-Jan-19	Australia	A Catalyst for CO Hydrogenation to produce Synthesis Fuel
576	305446	8-Jan-19	India	Internal Donors for Ziegler Nata Catalyst Systems and process for preparing the same
577	119400400	27-Jan-19	Saudi Arabia	A Catalyst Composition for Conversion of Alkanes to Alkenes and Method of Preparation Thereof
578	EP 19154340.4	29-Jan-19	Europe	Precursor for catalyst, process for preparing the same and use thereof
579	P6000166/2019	29-Jan-19	UAE	A Catalyst Composition for Conversion of Alkanes to Alkenes and Method of Preparation Thereof
580	306520	30-Jan-19	India	Catalyst composition for fluid catalytic cracking, process for preparing the same and use thereof
581	US 16/262722	30-Jan-19	USA	A Catalyst Composition for Conversion of Alkanes to Alkenes and Method of Preparation Thereof
582	2018/01816	30-Jan-19	South Africa	Device for Progressive Pressure Reduction of Flue Gas
583	2018/01621	30-Jan-19	South Africa	Process for Conversion of Residue Employing De-Asphalting and Delayed Coking
584	QA/201901/000068	31-Jan-19	Qatar	A Catalyst Composition for Conversion of Alkanes to Alkenes and Method of Preparation Thereof
585	306726	1-Feb-19	India	Up gradation of Residue Feedstock
586	19155231.4	4-Feb-19	Europe	Additive Composition Useful for Improved Production of Fermentable Sugars from Lignocellulose Biomass
587	10195564	5-Feb-19	USA	Bio-conversion of Refinery Waste Streams
588	BR 10 2019 002666-9	8-Feb-19	Brazil	Additive Composition Useful for Improved Production of Fermentable Sugars from Lignocellulose Biomass
589	US 16/271423	8-Feb-19	USA	Additive Composition Useful for Improved Production of Fermentable Sugars from Lignocellulose Biomass
590	10201810	12-Feb-19	USA	Vacuum Resid Upgradation and Graphite Production
591	6484593	22-Feb-19	Japan	Up gradation of Residue Feedstock
592	10214632	26-Feb-19	USA	Crystallinity Modifier for Polypropylene
593	3078640	27-Feb-19	Netherland	Bio-conversion of Refinery Waste Streams
594	3078640	27-Feb-19	Belgium	Bio-conversion of Refinery Waste Streams
595	3078640	27-Feb-19	GB	Bio-conversion of Refinery Waste Streams
596	3078640	27-Feb-19	Germany	Bio-conversion of Refinery Waste Streams
597	3078640	27-Feb-19	France	Bio-conversion of Refinery Waste Streams
598	308559	5-Mar-19	India	Extraction of Aromatics from hydrocarbon oil using n-methyl 2-pyrrolidone and cosolvent extraction process
599	53/2019	5-Mar-19	Bangladesh	Novel Composition of High Performance Bearing Oil for Steel Plants
600	EP 19160786.0	5-Mar-19	Europe	Assorted Co-Staging and Counter Staging in Hydrotreating
601	PID 2019 01876	5-Mar-19	Indonesia	Novel Composition of High Performance Bearing Oil for Steel Plants
602	375/2019	6-Mar-19	Egypt	Assorted Co-Staging and Counter Staging in Hydrotreating
603	EP 19161000.5	6-Mar-19	Europe	Novel Composition of High Performance Bearing Oil for Steel Plants
604	EP 19160993.2	6-Mar-19	Europe	Bio-Assisted Process for Conversion of Solar Energy to Fuels and Hydrocarbons



605	2019-040822	6-Mar-19	Japan	Bio-Assisted Process for Conversion of Solar Energy to Fuels and Hydrocarbons
606	US 16/294750	6-Mar-19	USA	Novel Composition of High Performance Bearing Oil for Steel Plants
607	381/2019	7-Mar-19	Egypt	Process for Production of Petrochemiocals from Cracked Streams
608	119400525	7-Mar-19	Saudi Arabia	Assorted Co-Staging and Counter Staging in Hydrotreating
609	119400523	7-Mar-19	Saudi Arabia	Process for Production of Petrochemiocals from Cracked Streams
610	LK/P/20398	7-Mar-19	Sri Lanka	Bio-Assisted Process for Conversion of Solar Energy to Fuels and Hydrocarbons
611	1901001385	7-Mar-19	Thailand	Bio-Assisted Process for Conversion of Solar Energy to Fuels and Hydrocarbons
612	US 16/296172	7-Mar-19	USA	Bio-Assisted Process for Conversion of Solar Energy to Fuels and Hydrocarbons
613	EP 19161568.1	8-Mar-19	Europe	Process for Production of Petrochemicals from Cracked Streams
614	10-2019-0209-7P	8-Mar-19	Singapore	Bio-Assisted Process for Conversion of Solar Energy to Fuels and Hydrocarbons
615	BP 66/2019	11-Mar-19	Bahrain	Efficient Bi-Inorganic System for Treatment of Sulphidic Waste Water Streams containing other Contaminants
616	EP 19161857.8	11-Mar-19	Europe	Nano Perovskite Materials as Combustion Improver for Liquid and Gaseous Fuels
617	EP 19161852.9	11-Mar-19	Europe	A Formulation to Stabilize Ligno-Cellulolytic Enzyme
618	119400539	11-Mar-19	Saudi Arabia	Composition and Process Thereof for Catalyst for Hydro-Conversion of LCO Involving Partial Ring Opening of Poly-Aromatics
619	LK/P/20402	11-Mar-19	Sri Lanka	Nano Perovskite Materials as Combustion Improver for Liquid and Gaseous Fuels
620	US 16/299002	11-Mar-19	USA	Catalyst Additive Composition for Reduction of Sulfur in Gasoline
621	US 16/299008	11-Mar-19	USA	Process for Production of Petrochemiocals from Cracked Streams
622	BR 10 2019 004773-9	12-Mar-19	Brazil	Improved Method for Second Generation Ethanol Production from Lignocellulosic Biomass
623	2019 10184235.3	12-Mar-19	China	Improved Method for Second Generation Ethanol Production from Lignocellulosic Biomass
624	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
625	US 16/351314	12-Mar-19	USA	Nano Perovskite Materials as Combustion Improver for Liquid and Gaseous Fuels
626	US 16/351088	12-Mar-19	USA	Composition and Process Thereof for Catalyst for Hydro-Conversion of LCO Involving Partial Ring Opening of Poly-Aromatics
627	US 16/351045	12-Mar-19	USA	Improved Method for Second Generation Ethanol Production from Lignocellulosic Biomass
628	119400547	13-Mar-19	Saudi Arabia	Efficient Bi-Inorganic System for Treatment of Sulphidic Waste Water Streams containing other Contaminants
629	2591072	13-Mar-19	Germany	Dual Riser catalytic cracking apparatus & process for resid upgradation
630	2591072	13-Mar-19	Italy	Dual Riser catalytic cracking apparatus & process for resid upgradation
631	2591072	13-Mar-19	Austria	Dual Riser catalytic cracking apparatus & process for resid upgradation
632	2591072	13-Mar-19	Romania	Dual Riser catalytic cracking apparatus & process for resid upgradation
633	2591072	13-Mar-19	Turkey	Dual Riser catalytic cracking apparatus & process for resid upgradation
634	BR 10 2019 005014-4	14-Mar-19	Brazil	A Formulation to Stabilize Ligno-Cellulolytic Enzyme
635	EP 19162723.1	14-Mar-19	Europe	Bio-Assisted Process for Conversion of Mixed Volatile Fatty Acids to Selective Drop-in-Fuels
636	OM/P/2019/00100	14-Mar-19	Oman	Efficient Bi-Inorganic System for Treatment of Sulphidic Waste Water Streams containing other Contaminants
637	QA/201903/000139	14-Mar-19	Qatar	Efficient Bi-Inorganic System for Treatment of Sulphidic Waste Water Streams containing other Contaminants

638	P6000376/2019	14-Mar-19	UAE	Efficient Bi-Inorganic System for Treatment of Sulphidic Waste Water Streams containing other Contaminants
639	US 16/353533	14-Mar-19	USA	A Formulation to Stabilize Ligno-Cellulolytic Enzyme
640	US 16/353666	14-Mar-19	USA	Bio-Assisted Process for Conversion of Mixed Volatile Fatty Acids to Selective Drop-in-Fuels
641	EP 19163060.7	15-Mar-19	Europe	Nano-Crystallite Binder Based CO Combustion Promoter
642	US 16/355530	15-Mar-19	USA	Efficient Bi-Inorganic System for Treatment of Sulphidic Waste Water Streams containing other Contaminants
643	2019 22010509	18-Mar-19	India	Process Intensification in Hydroprocessing
644	309338	18-Mar-19	India	Novel Composition for Ashless Energy Efficient Compressor Oil and Compressor Oil Additive Composition
645	309353	18-Mar-19	India	Single Pot Synthesis of Dialkyl Carbonates using Catalyst from Natural Resource
646	US 16/356856	18-Mar-19	USA	Nano-Crystallite Binder Based CO Combustion Promoter
647	119400562	19-Mar-19	Saudi Arabia	Nano-Crystallite Binder Based CO Combustion Promoter
648	P6000396/2019	19-Mar-19	UAE	Nano-Crystallite Binder Based CO Combustion Promoter
649	3101093	20-Mar-19	Germany	FCC Feed Injector with Improved Atomization
650	3101093	20-Mar-19	Italy	FCC Feed Injector with Improved Atomization
651	3101093	20-Mar-19	Austria	FCC Feed Injector with Improved Atomization
652	3101093	20-Mar-19	Romania	FCC Feed Injector with Improved Atomization
653	3101093	20-Mar-19	Turkey	FCC Feed Injector with Improved Atomization
654	309876	25-Mar-19	India	Process Intensification in Hydroprocessing
655	309887	25-Mar-19	India	Cracking Catalyst Composition of Heavy Hydrocarbon Feedstocks and Process for Preparing the Same
656	310017	26-Mar-19	India	Delayed Coking Process with Pre-cracking Reactor
657	310018	26-Mar-19	India	Fluid Catalytic Cracking Additive Composition and Process for Preparing Thereof
658	310559	29-Mar-19	India	A Liquid Phase Additive for use in Thermal Cracking Process to improve Product Yields
659	310526	29-Mar-19	India	Catalyst for Polymerization of Olefins and Process Thereof
660	6389	31-Mar-19	Saudi Arabia	Bio-assisted Process for Treatment and Regeneration of Spent caustic
661	2683642	1-Apr-19	Russia	Process for Conversion of Residue Employing De-Asphalting and Delayed Coking
662	10245581	2-Apr-19	USA	Composition & Process for Preparation of Attrition Resistant Additive suitable fo Cracking Hydrocarbon Feed
663	6396	4-Apr-19	Saudi Arabia	Organometallic compounds in solid form, process for preparing the same and use thereof
664	310962	8-Apr-19	India	An Improved Giant Impedance (GMI) based Sensing Device
665	10252249	9-Apr-19	USA	A Composition and a Process for the Preparation of Attrition Resistant Cracking Catalyst suitable for enhancing light olefins
666	3112442	10-Apr-19	Netherland	Bio-assisted Process for Treatment and Regeneration of Spent caustic
667	3112442	10-Apr-19	Belgium	Bio-assisted Process for Treatment and Regeneration of Spent caustic
668	3112442	10-Apr-19	GB	Bio-assisted Process for Treatment and Regeneration of Spent caustic
669	3112442	10-Apr-19	Germany	Bio-assisted Process for Treatment and Regeneration of Spent caustic
670	3112442	10-Apr-19	France	Bio-assisted Process for Treatment and Regeneration of Spent caustic
671	10266459	23-Apr-19	USA	Production of Propylene in Fluid Catalytic Cracking Unit
672	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
673	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
674	10273417	30-Apr-19	USA	Process for Fluid Catalytic Cracking

675	10280372	7-May-19	USA	Hydrocarbon Cracking Catalyst and Process for producing Light olefins
676	313172	24-May-19	India	A Process and A System for Enhancing Liquid Yield of Heavy Hydrocarbon Feed Stock
677	2689634	28-May-19	Russia	Two Stage Thermal Cracking Process with Multistage Separation System
678	2018/01629	29-May-19	South Africa	Apparatus and Method for Converting Liquid Stream into Fine Droplets
679	2018/01627	29-May-19	South Africa	Apparatus for Distribution of Catalyst in Fluidized Catalytic Cracking Unit
680	2018/01628	29-May-19	South Africa	Multimetal Composition for production of Morphology Controlled Carbon Nanotube and process thereof
681	313703	3-Jun-19	India	Hydrotreating Catalyst, Process for Preparing the Same and Use Thereof
682	OM/P/2019/00219	9-Jun-19	Oman	A Process for Production of Superior Quality Coke
683	6510	10-Jun-19	Saudi Arabia	Process of Preparation of Drag Reducing Polymers and use thereof
684	QA/201906/000315	11-Jun-19	Qatar	A Process for Production of Superior Quality Coke
685	P6000819/2019	11-Jun-19	UAE	A Process for Production of Superior Quality Coke
686	10315186	11-Jun-19	USA	A Process for the Preparation of CO Promoter and Improvement Thereof
687	US 16/439791	13-Jun-19	USA	A Process for Production of Superior Quality Coke
688	2019118268	13-Jun-19	Russia	A Process for Production of Superior Quality Coke
689	119400821	13-Jun-19	Saudi Arabia	A Process for Production of Superior Quality Coke
690	US 16/440168	13-Jun-19	USA	Method of Making Hydrocarbon Soluble Metal Compositions
691	119400826	13-Jun-19	Saudi Arabia	Method of Making Hydrocarbon Soluble Metal Compositions
692	314185	14-Jun-19	India	FCC Feed Injector with Improved Atomization
693	EP 19180379.0	14-Jun-19	Europe	Method of Making Hydrocarbon Soluble Metal Compositions
694	10323259	18-Jun-19	USA	A Formulation and Process for Biohydrogen Production
695	314351	20-Jun-19	India	Additive composition to improve combustion and reduce engine deposits for petroleum fuel
696	2692246	24-Jun-19	Russia	External Donor for Olefin Polymerization
697	US 16/452243	25-Jun-19	USA	Process for Recovering Higher Sugar from Biomass
698	2019/04115	25-Jun-19	South Africa	Process for Recovering Higher Sugar from Biomass
699	BR 10 2019013326-0	26-Jun-19	Brazil	Process for Recovering Higher Sugar from Biomass
700	314845	27-Jun-19	India	Process and composition for preparation of cracking catalyst suitable for enhancing yields of light olefins
701	EP 19183183.3	28-Jun-19	Europe	Process for Recovering Higher Sugar from Biomass
702	10336907	2-Jul-19	USA	Modified Crumb Rubber Compositions
703	2591073	3-Jul-19	Germany	Two stage fluid catalytic cracking apparatus & process for production of different hydrocarbons
704	2591073	3-Jul-19	Italy	Two stage fluid catalytic cracking apparatus & process for production of different hydrocarbons
705	2591073	3-Jul-19	GB	Two stage fluid catalytic cracking apparatus & process for production of different hydrocarbons
706	10349	3-Jul-19	Nigeria	Process for Production of Petrochemicals from Cracked Streams
707	3089940	10-Jul-19	France	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
708	3089940	10-Jul-19	Belgium	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
709	3089940	10-Jul-19	Germany	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
710	3089940	10-Jul-19	Austria	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products

711	3089940	10-Jul-19	Italy	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
712	3089940	10-Jul-19	Netherland	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
713	3089940	10-Jul-19	GB	Process for Simultaneous production of Carbon Nanotube and a Product Gas from Crude Oil and its Products
714	316195	17-Jul-19	India	Process for Quality Enhancement in Hydrocarbon Stream
715	316346	18-Jul-19	India	Hybrid Bitumen Composition and Process of Preparation Thereof
716	317352	31-Jul-19	India	Process and Composition for Cracking Catalyst for Cracking of Heavy Hydrocarbon Feedstocks and Process for Preparing the same
717	317347	31-Jul-19	India	A Catalyst for CO Hydrogenation to produce Synthesis Fuel
718	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)
719	US 16/528477	31-Jul-19	USA	Catalyst Composition and a Process of Preparation of Catalyst for Enhancing Yield of Olefins and Distillates in Fluid Catalytic Cracking process (FCC)
720	2018-07241	31-Jul-19	South Africa	Two Stage Thermal Cracking Process with Multistage Separation System
721	2018-07242	31-Jul-19	South Africa	An Integrated Fluid Catalytic Cracking and Oxidative Propane Dehydrogenation Process
722	10433	5-Aug-19	Nigeria	A Process for Conversion of High Acidic Crude Oils
723	10436	5-Aug-19	Nigeria	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
724	10434	5-Aug-19	Nigeria	Assorted Co-Staging and Counter Staging in Hydrotreating
725	10435	5-Aug-19	Nigeria	Efficient Bi-Inorganic System for Treatment of Sulphidic Waste Water Streams containing other Contaminants
726	10445	5-Aug-19	Nigeria	Apparatus for Gas-Liquid Distribution in Hydroprocessing Reactors
727	6194	5-Aug-19	Nigeria	A Catalyst Composition for Conversion of Alkanes to Alkenes and Method of Preparation Thereof
728	10470	5-Aug-19	Nigeria	Process for Etherification of Mixed Olefinic Light Naphtha and Simultaneous Reduction of Methanol in the Product
729	119400910	6-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)
730	317807	7-Aug-19	India	An Improved Reactive Polymer Modified Bitumen and a Method of Preparation Thereof
731	P6001147/2019	8-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)
732	2974159	13-Aug-19	Canada	A Catalyst for CO Hydrogenation to Produce Synthesis Fuel
733	318348	16-Aug-19	India	Process for Producing Various Viscosity Grades of Bitumen
734	318380	19-Aug-19	India	Rapid Molecular Method for Quantifying Corrosion Causing Microbes
735	US 16/545578	20-Aug-19	USA	Process for CO <sub>2</sub> Capture from Gaseous Streams
736	QA/201908/000438	20-Aug-19	Qatar	Process for CO <sub>2</sub> Capture from Gaseous Streams
737	10384948	20-Aug-19	USA	Cracking Catalyst Composition of Heavy Hydrocarbon Feedstocks and Process for Preparing the Same

738	BH 196/2019	21-Aug-19	Bahrain	Process for CO2 Capture from Gaseous Streams
739	OM/P/2019/00329	21-Aug-19	Oman	Process for CO2 Capture from Gaseous Streams
740	119400936	22-Aug-19	Saudi Arabia	Process for CO2 Capture from Gaseous Streams
741	EP 19193341.5	23-Aug-19	Europe	Process for CO2 Capture from Gaseous Streams
742	P6001216/2019	27-Aug-19	UAE	Process for CO2 Capture from Gaseous Streams
743	2018/08088	28-Aug-19	South Africa	A Process for Conversion of High Acidic Crude Oils
744	2018/08089	28-Aug-19	South Africa	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
745	2018/08597	28-Aug-19	South Africa	Process for Etherification of Mixed Olefinic Light Naphtha and Simultaneous Reduction of Methanol in the Product
746	319513	30-Aug-19	India	Methodology for Detection of Kerosene Adulteration in Gasoline, Motor Spirit, ATF and Diesel with Intrinsic Marker
747	P6001249/2019	2-Sep-19	UAE	A Process for Bio-sludge Reduction in Hydrocarbon Refinery Effluent Treatment Plant through Microbial Interventions
748	BH 205/2019	2-Sep-19	Bahrain	A Process for Bio-sludge Reduction in Hydrocarbon Refinery Effluent Treatment Plant through Microbial Interventions
749	EP 19194870.2	2-Sep-19	Europe	Process for Selective Production of Light Olefins and Aromatics from Cracked Light Naphtha
750	10399073	3-Sep-19	USA	Hydrocarbon Soluble Metal Composition and a Method of Making it Thereof
751	119410019	4-Sep-19	Saudi Arabia	A Process for Bio-sludge Reduction in Hydrocarbon Refinery Effluent Treatment Plant through Microbial Interventions
752	US 16/560531	4-Sep-19	USA	Process for Selective Production of Light Olefins and Aromatics from Cracked Light Naphtha
753	119410020	4-Sep-19	Saudi Arabia	Process for Selective Production of Light Olefins and Aromatics from Cracked Light Naphtha
754	319893	5-Sep-19	India	Production of High Yield of Syngas through Regeneration of Coked Upgrading Agent
755	OM/P/2019/00350	5-Sep-19	Oman	A Process for Bio-sludge Reduction in Hydrocarbon Refinery Effluent Treatment Plant through Microbial Interventions
756	QA/201909/000477	5-Sep-19	Qatar	A Process for Bio-sludge Reduction in Hydrocarbon Refinery Effluent Treatment Plant through Microbial Interventions
757	319947	6-Sep-19	India	A Pufferproof, Safe, Uses and Transport Friendly System for Packaging, Marketing & Usage of Inflammable Liquid Products
758	US 16/563508	6-Sep-19	USA	A Process for Bio-sludge Reduction in Hydrocarbon Refinery Effluent Treatment Plant through Microbial Interventions
759	EP 19195994.9	6-Sep-19	Europe	A Process for Bio-sludge Reduction in Hydrocarbon Refinery Effluent Treatment Plant through Microbial Interventions
760	10413889	17-Sep-19	USA	Process and composition for preparation of cracking catalyst suitable for enhancing yields of light olefins
761	2700710	19-Sep-19	Russia	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
762	EP 19199231.2	24-Sep-19	Europe	Method for Preparation and Screening of Fungal Mutant with High Hydrolytic Activity and Catabolite Derepressed Character

763	US 16/584785	26-Sep-19	USA	Method for Preparation and Screening of Fungal Mutant with High Hydrolytic Activity and Catabolite Derepressed Character
764	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
765	2795120	8-Oct-19	Canada	A Process for Simultaneous Cracking of Lighter and Heavier Hydrocarbon Feed and System for the Same
766	QA/201910/000547	14-Oct-19	Qatar	Highly Active Catalyst for Dehydrogenation of Alkanes and Method of Preparation Thereof
767	2702895	14-Oct-19	Russia	An Integrated Fluid Catalytic Cracking and Oxidative Propane Dehydrogenation Process
768	10443002	15-Oct-19	USA	Process for Quality Enhancement in Hydrocarbon Stream
769	2019/06807	16-Oct-19	South Africa	Highly Active Catalyst for Dehydrogenation of Alkanes and Method of Preparation Thereof
770	323138	18-Oct-19	India	CO Oxidation Promoter and a Process for the Preparation Thereof
771	US 16/657726	18-Oct-19	USA	Highly Active Catalyst for Dehydrogenation of Alkanes and Method of Preparation Thereof
772	AU 2019253784	21-Oct-19	Australia	Engineered Electrode for Electrobiocatalysis and Process to Construct the Same
773	10449524	22-Oct-19	USA	Process and Composition for Preparation of Cracking Catalyst Suitable for Enhancing LPG
774	10450662	22-Oct-19	USA	A Device and Method for Conversion of Carbon Dioxide to Fuels and Chemicals
775	P6001518/2019	24-Oct-19	UAE	Highly Active Catalyst for Dehydrogenation of Alkanes and Method of Preparation Thereof
776	119410146	27-Oct-19	Saudi Arabia	Highly Active Catalyst for Dehydrogenation of Alkanes and Method of Preparation Thereof
777	2019134667	29-Oct-19	Russia	Highly Active Catalyst for Dehydrogenation of Alkanes and Method of Preparation Thereof
778	EP 19205987.1	29-Oct-19	Europe	Engineered Electrode for Electrobiocatalysis and Process to Construct the Same
779	US 16/668832	30-Oct-19	USA	Engineered Electrode for Electrobiocatalysis and Process to Construct the Same
780	10468671	5-Nov-19	USA	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof
781	14667	8-Nov-19	Sri Lanka	Composition of Agricultural Spray Oil
782	2705574	8-Nov-19	Russia	A Catalyst Composition for Conversion of Alkanes to Alkenes and Method of Preparation Thereof
783	10478840	19-Nov-19	USA	Apparatus and Method for Converting Liquid Stream into Fine Droplets
784	2706426	19-Nov-19	Russia	A Process for Conversion of High Acidic Crude Oils
785	325798	26-Nov-19	India	Lubricant composition and process of preparing thereof
786	10487279	26-Nov-19	USA	Production of High Yield of Syngas through Regeneration of Coked Upgrading Agent
787	10487347	26-Nov-19	USA	Method of Pretreatment for enhanced Enzymatic Hydrolysis
788	NG/PT/C/2019/3770	26-Nov-19	Nigeria	Method of Making Hydrocarbon Soluble Metal Compositions
789	NG/PT/C/2019/3762	26-Nov-19	Nigeria	A Process for Production of Superior Quality Coke
790	US 16/698666	27-Nov-19	USA	Provident Method of Cellulases Enzymes Production by Penicillium Funiculosum MRJ-16 Using Minimum Media Components
791	BR 10 2019 025066-6	27-Nov-19	Brazil	Provident Method of Cellulases Enzymes Production by Penicillium Funiculosum MRJ-16 Using Minimum Media Components

792	EP 19211982.4	28-Nov-19	Europe	Provident Method of Cellulases Enzymes Production by Penicillium Funiculosum MRJ-16 Using Minimum Media Components
793	EP 19212958.3	2-Dec-19	Europe	Organometallic compounds in solid form, process for preparing the same and use thereof
794	326870	5-Dec-19	India	Catalyst for Olefin Polymerization and Polymerization thereof
795	326934	6-Dec-19	India	A Process for Algal Mediated Transformation of Sugars to Biodiesel
796	10501692	10-Dec-19	USA	Delayed Coker Drum And Method Of Operating Thereof
797	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
798	2019 283783	16-Dec-19	Australia	Co-Solubilization Process for Preparing Modified Bitumen and Product Obtained Thereof
799	LK/P/20899	17-Dec-19	Sri Lanka	Co-Solubilization Process for Preparing Modified Bitumen and Product Obtained Thereof
800	P00 2019 11964	17-Dec-19	Indonesia	Co-Solubilization Process for Preparing Modified Bitumen and Product Obtained Thereof
801	10507458	17-Dec-19	USA	Hydrotreating Catalyst and Process for Preparing the Same
802	327703	18-Dec-19	India	Organometallic compounds in solid form, process for preparing the same and use thereof
803	US 16/719630	18-Dec-19	USA	Method for Preparation of Fungal Mutant with High Hydrolytic Activity and Thereof
804	EP 19217758.2	18-Dec-19	Europe	Method for Preparation of Fungal Mutant with High Hydrolytic Activity and Thereof
805	BR 10 2019 027128-0	18-Dec-19	Brazil	Method for Preparation of Fungal Mutant with High Hydrolytic Activity and Thereof
806	US 16/719146	18-Dec-19	USA	Co-Solubilization Process for Preparing Modified Bitumen and Product Obtained Thereof
807	PI 2019 007563	18-Dec-19	Malaysia	Co-Solubilization Process for Preparing Modified Bitumen and Product Obtained Thereof
808	EP 19217757.4	18-Dec-19	Europe	Co-Solubilization Process for Preparing Modified Bitumen and Product Obtained Thereof
809	328288	27-Dec-19	India	Long Drain Tractor Lubricant Composition with Antichatter Characteristics
810	328629	31-Dec-19	India	Synergistic Catalyst System for Preparation of Cyclic Carbonates from CO2
811	328926	3-Jan-20	India	A Composition and a Process for the Preparation of Attrition Resistant Cracking Catalyst suitable for enhancing light olefins
812	10526202	7-Jan-20	USA	Process for Production of High Quality Syngas through Regeneration of Coked Up gradation Agent
813	329154	9-Jan-20	India	Process for Production of High Quality Syngas through Regeneration of Coked Up gradation Agent
814	2019200694	23-Jan-20	Australia	Additive Composition Useful for Improved Production of Fermentable Sugars from Lignocellulose Biomass
815	330544	28-Jan-20	India	Process and Composition for preparation of Cracking Catalyst suitable for enhancing LPG
816	EP 20154021.8	28-Jan-20	Europe	Integrated Process for Ethanol Separation from Fermented Broth for Low Temperature Applications
817	KR 10-2072633	28-Jan-20	South Korea	External Donor for Olefin Polymerization
818	ZA 2020/00573	29-Jan-20	South Africa	Process for production of Anisotropic Coke
819	NG/PT/C/20204329	29-Jan-20	Nigeria	Process for production of Anisotropic Coke
820	EP 20154420.2	29-Jan-20	Europe	Process for production of Anisotropic Coke
821	3404747	29-Jan-20	Austria	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof

822	3404747	29-Jan-20	Belgium	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof
823	3404747	29-Jan-20	Germany	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof
824	3404747	29-Jan-20	France	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof
825	3404747	29-Jan-20	Italy	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof
826	3404747	29-Jan-20	Netherland	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof
827	3404747	29-Jan-20	GB	Composition for Preparing Expanded Free Electrodes for Lead Acid Battery and Performance Thereof
828	ZA 2020/00621	30-Jan-20	South Africa	Integrated Process for Ethanol Separation from Fermented Broth for Low Temperature Applications
829	US 16/777031	30-Jan-20	USA	Process for production of Anisotropic Coke
830	331051	31-Jan-20	India	Production of Propylene in Fluid Catalytic Cracking Unit
831	US 16/778848	31-Jan-20	USA	Integrated Process for Ethanol Separation from Fermented Broth for Low Temperature Applications
832	2020-014277	31-Jan-20	Japan	Integrated Process for Ethanol Separation from Fermented Broth for Low Temperature Applications
833	2020-014486	31-Jan-20	Japan	External Donor for Olefin Polymerization
834	331074	1-Feb-20	India	Stable dispersion of reduced graphene oxide, process for preparation 7 thereof
835	BR 10 2014 026743-3	4-Feb-20	Brazil	An Improved Delayed Coking Process
836	331506	7-Feb-20	India	Process for Simultaneous Production of Alcohol and Oligomer Product from Hydrocarbon Feedstock
837	US 16/785599	8-Feb-20	USA	Bio-Refinery Waste Utilization for Enzyme Production Using Novel Penicillium Funiculosum MRJ-16 Fungal Strain
838	BR 10 2014 028414-1	11-Feb-20	Brazil	Thermal Cracking Additive Compositions for reduction of Coke Yield in Delayed Coking Process
839	331768	12-Feb-20	India	An Apparatus for Combustion of Gaseous Fuel Obtained from Organic Wastes
840	OM/P/2020/00048	12-Feb-20	Oman	Process for production of Anisotropic Coke
841	EP 20157001.7	12-Feb-20	Europe	Bio-Refinery Waste Utilization for Enzyme Production Using Novel Penicillium Funiculosum MRJ-16 Fungal Strain
842	NG/PT/C/2020/4355	14-Feb-20	Nigeria	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
843	BP 26/2020	16-Feb-20	Bahrain	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
844	CN 202010095936.2	17-Feb-20	China	Integrated Process for Ethanol Separation from Fermented Broth for Low Temperature Applications
845	QA/202002/00086	17-Feb-20	Qatar	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
846	332345	18-Feb-20	India	Energy Efficient High Performance Industrial Gear Oil and Composition Thereof
847	10563114	18-Feb-20	USA	Corrosion Inhibitor Composition for Pipelines
848	BR 10 2020 003518-5	19-Feb-20	Brazil	Bio-Refinery Waste Utilization for Enzyme Production Using Novel Penicillium Funiculosum MRJ-16 Fungal Strain
849	120410438	23-Feb-20	Saudi Arabia	Process for production of Anisotropic Coke
850	P6000271/2020	26-Feb-20	UAE	Process for production of Anisotropic Coke



851	US 16/802012	26-Feb-20	USA	Morphology Modified Hetrophase Propylene Copolymers and their products thereof
852	US 16/801712	26-Feb-20	USA	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
853	EP 20159449.6	26-Feb-20	Europe	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
854	P6000272/2020	26-Feb-20	UAE	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
855	120410466	26-Feb-20	Saudi Arabia	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
856	OM/P/2020/00069	26-Feb-20	Oman	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
857	EP 20159908.1	27-Feb-20	Europe	Morphology Modified Hetrophase Propylene Copolymers and their products thereof
858	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
859	JP 2020-32966	28-Feb-20	Japan	Morphology Modified Hetrophase Propylene Copolymers and their products thereof
860	CN 2020 10127127.5	28-Feb-20	China	Morphology Modified Hetrophase Propylene Copolymers and their products thereof
861	KR 10-2020-0025965	2-Mar-20	South Korea	Morphology Modified Hetrophase Propylene Copolymers and their products thereof
862	10578304	3-Mar-20	USA	Device for Progressive Pressure Reduction of Flue Gas
863	6672427	6-Mar-20	Japan	Two Stage Thermal Cracking Process with Multistage Separation System
864	10584290	10-Mar-20	USA	Process for Conversion of Residue Employing De-Asphalting and Delayed Coking
865	10584085	10-Mar-20	USA	Process for Etherification of Mixed Olefinic Light Naothta and Simultaneous Reduction of Methanol in the Product
866	334362	11-Mar-20	India	A Catalyst Composition for Catalytic Cracking a Process of Preparation thereof Process
867	2020110152	11-Mar-20	Russia	Corrosion Inhibitor Composition for Crude Oil Pipelines Transportation
868	2872538	11-Mar-20	Europe	Internal Donors for Ziegler Nata Catalyst Systems and process for preparing the same
869	2966099	11-Mar-20	Europe	Particle Size Distribution Control through Internal Donor in Ziegler Natta Catalyst
870	3018150	11-Mar-20	Europe	Catalyst Process for Spherical Particles
871	10590354	17-Mar-20	USA	A Process for the Conversion of Crude Oil to Light Olefins, Aromatics and Syngas
872	BR 11 2012 024895-2	24-Mar-20	Brazil	Method and Apparatus for Catalytic Cracking
873	10604708	31-Mar-20	USA	Process Intensification in Hydroprocessing
874	2897966	1-Apr-20	Europe	Organometallic compounds in solid form, process for preparing the same and use thereof
875	10611865	7-Apr-20	USA	Organometallic compounds in solid form, process for preparing the same and use thereof
876	US 16/844820	9-Apr-20	USA	A Process for Conversion of Fuel Grade Coke to Anode Grade Coke
877	EP 20169546.7	15-Apr-20	Europe	Process for Production of Petrochemical Feedstock and High Octane Gasoline from Middle Distillates
878	US 16/850822	16-Apr-20	USA	Process for Production of Petrochemical Feedstock and High Octane Gasoline from Middle Distillates
879	3284804	22-Apr-20	Europe	Production of Propylene in Fluid Catalytic Cracking Unit

880	P6000598/2020	23-Apr-20	UAE	A Process for Conversion of Fuel Grade Coke to Anode Grade Coke
881	120410609	24-Apr-20	Saudi Arabia	Process for Production of Petrochemical Feedstock and High Octane Gasoline from Middle Distillates
882	120410610	24-Apr-20	Saudi Arabia	A Process for Conversion of Fuel Grade Coke to Anode Grade Coke
883	EP 20171342.7	24-Apr-20	Europe	A Process for Conversion of Fuel Grade Coke to Anode Grade Coke
884	10633609	28-Apr-20	USA	Process for Insitu Synthesis of Dispersion ZnO-TiO2 nanoparticles in Oil
885	3543343	29-Apr-20	Europe	Improved Method for Second Generation Ethanol Production from Lignocellulosic Biomass
886	2020/02356	4-May-20	South Africa	A Process for Conversion of Fuel Grade Coke to Anode Grade Coke
887	10647930	12-May-20	USA	Reactor System for Upgrading Heavy Hydro-Carbonaceous Material
888	10646863	12-May-20	USA	Apparatus for Distribution of Catalyst in Fluidized Catalytic Cracking Unit
889	3466894	13-May-20	Europe	Treatment and Recovery of Caustic from Spent Caustic through Bioelectrochemical Process
890	336940	18-May-20	India	Crystallinity Modifier for Polypropylene
891	EP 20175398.5	19-May-20	Europe	Production of Mixture of Hydrogen and Natural Gas
892	10655076	19-May-20	USA	Assorted Co-Staging and Counter Staging in Hydrotreating
893	10654773	19-May-20	USA	An Integrated Fluid Catalytic Cracking and Oxidative Propane Dehydrogenation Process
894	BR 10 2015 006944-8	19-May-20	Brazil	A Liquid Phase Additive for use in Thermal Cracking Process to improve Product Yields
895	337333	26-May-20	India	Apparatus for Catalytic Cracking
896	10662385	26-May-20	USA	Delayed Coking Process with Pre-cracking Reactor