

Patents Field in India

Date of Grant	Title	Date of Filing	Country	Application No
1.	A domestic stove	19771022	India	0334DEL77
2.	A device useful for operating a two stroke engine with compressed natural gas and a two stroke engine fitted with the said device	19950705	India	1251DEL95
3.	An improved process for the removal of phenols from industrial wast waters	19970611	India	0498DEL96
4.	A process for the preparation of novel modified ZSM-5	19961129	India	2627DEL96
5.	A process for the conversion of heavy normal paraffins (HNP) to LPG and liquid transportation fuel	19980515	India	1305DEL98
6.	An improved fuel efficient commercial LP-gas burner / canteen burner	19991231	India	1597DEL99
7.	An improved process for the manufacture of paving bitumen	20000316	India	0240DEL2000
8.	An improved process for the preparation of fluid catalytic cracking (FCC) catalyst	20000316	India	0241DEL2000
9.	A new process for the preparation of 100ll aviation gasoline	20000316	India	0242DEL2000
10.	A process for the preparation of metal fulerant cracking catalyst	20000316	India	0243DEL2000
11.	A noval process for the preparation of LPG and transportation fuel from vacuum gas oil	20000316	India	0245DEL2000
12.	a process for the preparation of novel eco-friendly antiwear and antifricition additives	20001101	India	0966DEL2000
13.	A process for preparation of refined grade naphthalene from pyrolysis tar	20001101	India	0968DEL2000
14.	Corrosion inhibitor formulation useful for temporary protection of metal alloys	20001101	India	0962DEL2000
15.	A improved process for the preparation of a super active acidic bimetallic continuous catalyst reforming (CCR) catalyst	20001103	India	986DEL2000
16.	An improved process for the preparation of a catalyst useful for liquid-liquid sweetening of LPG and light petroleum distillates	20001117	India	1032DEL2000
17.	A process for preparation of novel catalyst useful for sweetening of sour petroleum distillates	20001117	India	1030DEL2000
18.	A process for the fixed bed sweetening of petroleum distillates using halogenated metal pthalocyanine as a catalyst	20001215	India	1159DEL2000
19.	A process for the conversion of natural gas liquid to liquefied petroleum gas and high octane gasoline.	20010105	India	010DEL2001
20.	A method for preparation of novel wash coat of high stability, strong adherence with	20010329	India	390DEL2001

	substrate and functions as an excellent support for novel metal catalyst			
21.	A method for the preparation of a novel bifunctional ion exchange catalyst useful for etherification of FCC light gasoline	20010330	India	421DEL2001
22.	an improved process for production of cyclopentane from light petroleum stream	20010330	India	430DEL2001
23.	A process for sweetening of LPG, light petroleum distillates by liquid-liquid extraction using metal phthalocyanine sulphonamide catalyst	20011204	India	475Del2001
24.	A process for liquid-liquid sweetening of lighter petroleum distillates using metal phthalocyanine sulphonamide catalyst	20010629	India	0726Del2001
25.	A process for the production of high-octane gasoline from straight run light naphtha on pt containing hzsm-5 molecular sieve catalyst	20020328	India	390Del2002
26.	an improved process for the preparation of alkane	20020328	India	0410Del2002
27.	A high efficiency domestic oil pressure stove (offset burner type)	20020328	India	0396Del2002
28.	An improved process for the fractionation of hard microcrystalline waxes to produce different melting grade of waxes	20020328	India	0406Del2002
29.	A process for preparing olefin sulfonates	20020328	India	0389Del2002
30.	An improved process for the extraction of aromatics from petroleum streams	20020328	India	0372Del2002
31.	An improved process for the preparation of ethyl acetate	20020328	India	0409Del2002
32.	An improved process for the dealumination of zeolite y	20020930	India	997DEL2002
33.	A process for the preparation of vanadyl pyrophosphate catalysts with improved structural characteristics for the selective oxidation of butane to malic anhydride	20021030	India	1090DEL2002
34.	A catalyst and process for preparing secondary alcohols using the catalyst	20021111	India	1131DEL2002
35.	Process for the preparation and recovery of secondary alcohols	20021111	India	1134DEL2002
36.	A dual catalyst system for the preparation of secondary alcohols	20021111	India	
37.	An improved process for the preparation of secondary alcohol by oxidation of alkanes	20021111	India	1133DEL2002
38.	A novel catalyst and process for the preparation of secondary alcohol	20021111	India	1130DEL2002
39.	An improved single column pressure swing adsorption (PSA) cycle for the separation of helium from mixture with O ₂ and N ₂	20030307	India	246/Del/03
40.	A process for the preparation of ecofriendly lubricants from vegetable oils(jointly with Centre for High Technology)	20040305	India	363DEL2004

41.	A process for the preparation of ecofriendly lubricants from vegetable oils ((jointly with Centre for High Technology)	20040305	India	365Del2004
42.	A process for the preparation of ecofriendly lubricants from vegetable oils (jointly with Centre for High Technology)	20040305	India	361Del2004
43.	A process for the preparation of ecofriendly lubricants from vegetable oils (jointly with Centre for High Technology)	20040305	India	362Del2004
44.	A process for the preparation of a novel molecular sieve catalyst containing silica, alumina and metals from mg, pt and zn groups suitable for the hydro-isomerization of light alkanes	20040305	India	364Del2004
45.	An improved process for alkylation of phenol	20040308	India	393Del2004
46.	A process for the preparation of ecofriendly lubricants from vegetable oils (jointly with Centre for High Technology)	20040308	India	391Del2004
47.	A process for the preparation of ecofriendly lubricants from vegetable oils(jointly with Centre for High Technology)	30040308	India	390Del2004
48.	A process for the preparation of ecofriendly lubricants from vegetable oils(jointly with Centre for High Technology)	20040308	India	389Del2004
49.	A process for preparing fatty acid alkyl esters suitable for use as bio-diesel	20040331	India	397Del2004
50.	A process for the preparation of catalyst comprising oxides of silicon, rhenium and aluminum useful for the preparation of acrolein and acrylonitrile	20040331	India	637Del2004
51.	A process for metalworking fluid from heavy alkylate	20050331	India	666Del 2005
52.	An improved process for the recovery of extraction solvent from brine solution	20050331	India	771Del2005
53.	A process for the preparation of cracking catalyst for the maximization of olefinic LPG (jointly with CHT)	20050331	India	784Del2005
54.	Process for the preparation of p-toluic acid by liquid phase oxidation of p-xylene in water	20050331	India	766Del2005
55.	Process for converting the C ₅ -C ₆ paraffin hydrocarbons and LPG with gallium containing zeolite catalyst promoted by group viii metal	20050331	India	779Del2005
56.	A device for electrochemical recovery of metals form heterogeneous catalysts	20050331	India	789Del2005
57.	Process for oxidative desulphurization of liquid hydrocarbon fuels by using carboxylic acid-alkali metal peroxoborate as oxidation system. (jointly with Centre for High Technology)	20050720	India	260NF2005

58.	Process for oxidative desulphurization of liquid hydrocarbon fuels(jointly with Centre for High Technology)	20050720	India	1891Del2005
59.	Process for oxidative desulphurization of liquid hydrocarbon fuels by using carboxylic acids urea -H ₂ O ₂ adduct as oxidation system. (jointly with Centre for High Technology)	20050720	India	259NF2005
60.	process for oxidative desulphurization of liquid hydrocarbon fuels by using organosulphonic acid-h ₂ o ₂ as oxidation system. (jointly with Centre for High Technology)	20050720	India	258NF2005
61.	A composition of insulating fluid and process for the preparation thereof	20051209	India	3336Del2005
62.	A composition of lubricating oil for two stroke gasoline engine and process for the preparation thereof	20051209	India	3335Del2005
63.	A composition of hydraulic fluid and process for the preparation thereof	20051209	India	3332Del2005
64.	a process for making petroleum pitch from extra vacuum residue	20060317	India	0787Del2006
65.	A composition of biodegradable insulating fluid	20060322	India	0781Del2006
66.	A composition of biodegradable hydraulic fluid.	20060322	India	0785Del2006
67.	A composition of biodegradable lubricant for two stroke engine.	20060322	India	0779Del2006
68.	An alternate composition of gear oil	20060322	India	0786Del2006
69.	A composition of biodegradable gear oil	20060317	India	0783Del2006
70.	Process for the obtainment of novel modified zeolite catalyst for shape selective conversion of C ₅ hydrocarbons into butane	20060324	India	853Del2006
71.	Process for the maximization of aromatics and butane from C ₅ -C ₆ non-cyclic paraffin rich light naphtha cuts over zeolites modified with group IIIA element	20060328	India	0865Del2006
72.	An improved preparation procedure for noble metal, three-way, auto-exhaust catalyst, having a high activity and a longer life, for loading on a commercially available ceramic cordierite honeycomb monolith	20070323	India	0655Del 2007
73.	A process for making petroleum derived impregnating pitch from vacuum residue distillates	20070323	India	0653Del 2007
74.	A new ecofriendly sprayable girth gear lubricant for cement plants.	20070323	India	0652Del 2007
75.	A process for production of ethanol from starch	20070330	India	0702Del 2007
76.	A process for the production of phenol by liquid phase selective hydroxylation of	20070323	India	0654Del 2007

	benzene using hydrogen peroxide as the oxidant, vanadyl pyrophosphate as the catalyst			
77.	A process for the aromatization of light naphtha using improved kl zeolite based monofunctional reforming catalyst having high activity, selectivity and stability (jointly with Centre for High Technology)	20070503	India	0952 Del 2007
78.	A process for direct hydroxylation of aromatic hydrocarbons	20080124	India	204DEI2008
79.	Thermophilic ethanol producing yeast strain	20080305	India	538Del2008
80.	A process for the conversion of paraffins, olefins and aromatics in a mixed feedstock into isoparaffins	20080326	India	776Del2008
81.	A composition of biodegradable lithium grease	20080317	India	667Del2008
82.	A composition of biodegradable gear oil	20080317	India	670Del2008
83.	a process for preparation of novel catalyst useful for sweetening of sour petroleum distillates	20010330	Germany	DE10115892
84.	An improved process for the preparation of a catalyst useful for liquid-liquid sweetening of LPG and light petroleum distillates	20010330	Germany	DE 10115893
85.	A process for the fixed bed sweetening of petroleum distillates using halogenated metal pthalocyanine as a catalyst	20010330	Germany	DE 10115940
86.	a process for sweetening of LPG, light petroleum distillates by liquid-liquid extraction using metal phthalocyanine sulphonamide catalyst	20010330	Germany	DE 10115725
87.	A process for the production of high-octane gasoline from straight run light naphtha on pt containing HZSM-5 molecular sieve catalyst”	20021227	PCT UK, Germany, France, Germany	PCT/IB02/05644
88.	A process for the production of high-octane gasoline from straight run light naphtha on pt containing HZSM-5 molecular sieve catalyst”	20030320	USA	10/393374
89.	A process for the production of high-octane gasoline from straight run light naphtha on pt containing HZSM-5 molecular sieve catalyst	24/06/2005	Japan	2004-563398
90.	A process for the production of high-octane gasoline from straight run light naphtha on pt containing HZSM-5 molecular sieve catalyst	27/06/2005	Europe	2781717
91.	A process for the production of high-octane gasoline from straight run light naphtha on pt containing HZSM-5 molecular sieve catalyst	27/06/2005	UAE	353/2005
92.	An improved process for the extraction of	20030103	PCT UK,	PCT/IB02/05647

	aromatics from petroleum streams		Germany, France, Japan	
93.	An improved process for the extraction of aromatics from petroleum streams	20030320	USA	10/392395
94.	An improved process for the extraction of aromatics from petroleum streams by NMP using re-extraction route for hydrocarbons recovery form exhaust phase	24/06/2005	Japan	2004-556579
95.	An improved process for the extraction of aromatics from petroleum streams by NMP using re-extraction route for hydrocarbons recovery form exhaust phase	27/06/2005	UAE	352/2005
96.	An improved process for the extraction of aromatics from petroleum streams by NMP using re-extraction route for hydrocarbons recovery form exhaust phase	27/06/2005	Europe	2781720.4
97.	Process for preparing vanadyl pyrophosphate catalyst	20030103	UK, Canada, Europe, Japan, S Korea	PCT/IB2003/00001 6
98.	Process for preparing vanadyl pyrophosphate catalyst	27/06/2005	Norway	20053128
99.	Process for preparing vanadyl pyrophosphate catalyst	1/7/2005	Japan	2004-564355
100.	Process for preparing vanadyl pyrophosphate catalyst	16-2-2005	UAE	0372NF2002/AE
101.	Process for preparing vanadyl pyrophosphate catalyst	4/7/2005	China	3825754
102.	Process for preparing vanadyl pyrophosphate catalyst	23/06/2005	Europe	3700020.5
103.	A process for preparing fatty acid alkyl esters suitable for use as bio-diesel	20031230	PCT	PCT/IN03/0046
104.	A process for preparing fatty acid alkyl esters suitable for use as bio-diesel	14-2-2005	Saudi Arabia	GCP/P/2005/4302
105.	A process for preparing fatty acid alkyl esters suitable for use as bio-diesel	27/06/2006	Australia	2003290414
106.	A process for preparing fatty acid alkyl esters suitable for use as bio-diesel	29/06/2006	Brazil	1606008549
107.	A process for preparing fatty acid alkyl esters suitable for use as bio-diesel	30/06/2006	Canada	-----
108.	A process for preparing fatty acid alkyl esters suitable for use as bio-diesel	29/6//2006	USA	-----
109.	A process for preparing fatty acid alkyl esters suitable for use as bio-diesel	14/07/2006	Europe	3782777.1
110.	A process for preparing fatty acid alkyl esters suitable for use as bio-diesel	5/7/2006	Malaysia	PI-2006-3197
111.	Process for metalworking fluid from heavy alkylate	20040326	USA	10/810,387
112.	Process for metalworking fluid from heavy alkylate	26-9-2006	Canada	2561351

113.	Process for metalworking fluid from heavy alkylate	26-9-2006	Australia	2005226654 PP
114.	Process for metalworking fluid from heavy alkylate	9/10/2006	South Africa	2006/8381
115.	Process for metalworking fluid from heavy alkylate	23-10-2006	Europe	5718960
116.	Process for metalworking fluid from heavy alkylate	26-10-2006	S Korea	10-2006-7022352
117.	Process for metalworking fluid from heavy alkylate	26-9-2007	Brazil	PI0507994-3
118.	Process for the preparation of p-toluic acid by liquid phase oxidation of p-xylene in water	29/11/2005	PCT	PCT/IN05/00388
119.	Process for the preparation of p-toluic acid by liquid phase oxidation of p-xylene in water	29/11/2005	USA	11/378055
120.	Process for the preparation of p-toluic acid by liquid phase oxidation of p-xylene in water	24/03/2006	Taiwan	95110206
121.	Process for the preparation of p-toluic acid by liquid phase oxidation of p-xylene in water	11/9/2007	Japan	
122.	Process for the preparation of p-toluic acid by liquid phase oxidation of p-xylene in water	25-9-2007	Canada	
123.	Process for the preparation of p-toluic acid by liquid phase oxidation of p-xylene in water	26-9-2007	China	
124.	Process for the preparation of p-toluic acid by liquid phase oxidation of p-xylene in water	28-9-2007	South Korea	
125.	A composition and process for insulating fluid	29/12/2005	PCT	PCT/IN05/00449
126.	A composition and process for lubricating oil for two stroke gasoline engine	29/12/2005	PCT	PCT/IN05/00450
127.	A composition and process for hydraulic fluid	29/12/2005	PCT	PCT/IN05/00451
128.	A composition and process for insulating fluid	21/03/2006	USA	11/386576
129.	A composition and process for lubricating oil for two stroke gasoline engine	13/03/2006	USA	11/374249
130.	a composition and process for hydraulic fluid	29/03/2006	USA	PCT/IN05/00451
131.	Process for oxidative desulphurization of liquid hydrocarbon fuels	20/7/2006	USA	11/490514
132.	A process for the production of phenol by liquid phase selective hydroxylation of benzene using hydrogen peroxide as the oxidant, vanadyl pyrophosphate as the catalyst	21/03/2008	USA	12/075614
133.	Process for the preparation of p-toluic	24/03/2006	China	95110206

	acid by liquid phase oxidation of p-xylene in water			
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