

Patents Grant in India

Sl. No	Title	Date of Filing	Country	Patent No and Date
1.	A process for the disproportionation of alkyl benzene	19640824	India	91085
2.	continuous process for the disproportionation of alkyl benzenes	19640729	India	94933
3.	A process for the production of pure aromatics such as benzene toluene, xylenes, naphthalene etc from pure	19650918	India	101630 19671007
4.	A wick sleeve to improve the non-making illumination when burning oil in a cylindrical wick lamp	19660429	India	105059 19680718
5.	A process for the disproportionation of alkyl benzene	19660714	India	106172 0
6.	A process for the production of hydrous or anhydrous lanolin (superfine grade or better) from wool grease	19660730	India	106419 19681102
7.	High altitude regulator for diesels	19681024	India	114540 19700428
8.	high altitude automatic mixture corrector	19681218	India	115206 19710129
9.	A process for separation of pure aromatics or olefins	19681029	India	118326 19710129
10.	gas chromatography column selector-aid	19681129	India	118973 0
11.	A process for preparation of alkyl nitrate esters	19690301	India	120116 19710528
12.	An improved process for the preparation of substituted alkyl nitrate esters from glycol ethers	19691124	India	123998 19710618
13.	An improved process for the preparation of alkyl nitrate esters from alicyclic alcohols	19691124	India	123999 19710618
14.	An improved process for the preparation of alkyl nitrate esters from aliphatic alcohols	19691124	India	124000 19710618
15.	A microreactor of new design for reaction gas chromatography incorporating dual channels	19710316	India	130552 19740503
16.	Process for hydrocarbon purification by selective hydrogenation	19710419	India	131022 19740705
17.	Process for preparation of alkylphenols for use as antioxidants for petroleum product	19710421	India	131056 0
18.	Device for cold starting of ic engines by priming starter fluid+124	19711019	India	133261 19740405
19.	A regulator for controlling the supplementary fuel-flow in a diesel engine for compensating power loss at high altitudes	19711019	India	133262 19741220
20.	A stove suited for domestic use	19720602	India	135479 19740726
21.	A process for the production of ichthammol from crude oil fraction	19720828	India	138222 19760918
22.	Loop device	19731016	India	137300

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23.	A burner	19740501	India	142182 19780310
24.	A process for the production of barium/calcium petroleum sulphonates useful as detergent-dispersant additives for motor oils	19741119	India	143469 19790203
25.	An improved process for the preparation of para-tertiary butyl phenol	19760103	India	143026 19780729
26.	Device for cold starting of IC engines	19760103	India	142704 19780415
27.	A process for the separation of n paraffinic hydrocarbons of carbon range C12-25-C present in kerosene and light diesel oil fractions by microbial means	19770406	India	145843 19790907
28.	High out-put stove	19760809	India	144803 19790630
29.	A smokemeter for measurement of smoke density of exhaust gases of diesel vehicle	19761207	India	145761 19790804
30.	A process for the production of proteinaceous microbial foodstuff and apparatus therefor	19720420	India	124360 19760918
31.	Improved extrusion device for plastic materials for use in chemical and food industries	19780225	India	147722 19810725
32.	An improved process for the preparation of borium/calcium petroleum sulphonates useful as detergent dispersant additives for motor oils	19770627	India	145732 19790804
33.	An insulated stove	19771022	India	146756 19811107
34.	A vaccum guard	19780127	India	147991 19810911
35.	An improved process for solvent deoiling of crude micracrystalline wax	19780315	India	148641 19811211
36.	Improved process for the re-refining of used lubricating motor oils	19780318	India	148643 19811211
37.	Improved wick stove	19781219	India	150566 19880729
38.	an improved process for the preparation of polybutenes	19790914	India	151084 19831001
39.	An improved process for the separation of n-paraffins hydrocarbons from petroleum fractions	19790605	India	152240 19840721
40.	An improved process for the sweetening of petroleum distillates containing mercapto-sulphur compounds	19790709	India	152541 19840721
41.	Multistage atomising burner	19790822	India	153023 19850216
42.	An improved process for sweetening of sour petroleum distillates	19800910	India	153190 19850427
43.	An improved process for producing hard microcrystalline wax of low oil content	19810704	India	154004 19850913
44.	Improved wick stove	19800410	India	154301 19850420
45.	An improved solid fuel stove	19820104	India	154751

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46.	Improved liquid fuel fired industrial burners	19810330	India	156025 19870424
47.	Film burner	19810330	India	156126 19860530
48.	An improved liquid fuel burner for industrial furnaces	19811231	India	157677 19870410
49.	An improved liquid fuel fired burner	19820226	India	157696 19870320
50.	Process for the preparation of plasticizer material for use in plastics industry	19830625	India	157865 19870703
51.	A process for the preparation of catalyst for isomerisation of alkyl aromatic compounds	19821023	India	158462 19871106
52.	A catalytic process for the isomerisation of alkyl aromatic compounds	19821023	India	160197 19880603
53.	A modified starter for a single phase induction motor	19840606	India	160011 19880617
54.	An improved burner for use with fluid fuels	19830610	India	159881 19880617
55.	An improved liquified petroleum gas stove	19831231	India	160360 19880624
56.	An improved process for the selective separation of linear terminal olefinic hydrocarbons and n-paraffins from petroleum fractions	19840616	India	162876 19890127
57.	An improved hurricane lantern	19850830	India	163841 19890630
58.	An improved device for starting air conditioner units	19850830	India	163177 19890323
59.	An improved two-stroke engine	19851224	India	164773 19900125
60.	A process for preparing polymer bonded clay useful for surface treatment, water proofing and moth proofing of articles	19851231	India	164775 19900202
61.	An improved three phase motor starter with inbuilt single phase preventor	19870121	India	166228 19910301
62.	A device for automatic uninterrupted single phase power supply from a three phase power supply source	19870605	India	170228 19940218
63.	An improved solid waste incinerator	19860723	India	166312 19901109
64.	Lubricating oil composition for two stroke petrol engines	19861205	India	167936 19920110
65.	A theft alarm system	19880310	India	167670 19910920
66.	An improved process for the phosphosulphidated jojoba oil useful as multifunctional additive for lubricating oil	19861224	India	168794 19920124
67.	Method for the manufacture of an extreme pressure industrial gear oil	19861224	India	169856 19940218
68.	An improved process for the sulphurisation of jojoba oil for use as an extreme pressure	19861224	India	169857 19940218

	additive			
69.	A process for the preparation of a feed stock of kerosene range petroleum fractions having boiling range between 130-275c with reduced aromatics	19870323	India	170747 19930829
70.	An improved solvent extraction process for the separation of benzene and c5-c6 non aromatics from feed stock of naphtha range petroleum fractions	19870821	India	168536 19920904
71.	An improved atomising film burner	19880802	India	174231 19950428
72.	An improved process for long chain (c18-c24) monounsaturated and saturated fatty alcohols and fatty acids from jojoba oil or hydrogenated jojoba oil	19890419	India	178981 19980424
73.	A process for the preparation of an extreme pressure industrial gear oil using sulphurised jojoba oil	19900710	India	176835 19970307
74.	An improved smoke meter for measurement of smoke density of exhaust gases of IC engines	19900213	India	177111 19970509
75.	An improved process for the preparation of alkyl benzenes	19900830	India	178150 19971031
76.	An improved process for the demulsification of kerosene in water emulsion	19900921	India	177871 19970919
77.	An electronic device for time delay and low/high voltage protection of electrical/electronic equipment	19901016	India	187881 20030307
78.	An improved process for the preparation of micro crystalline waxes	19910918	India	179800 19980828
79.	An improved wick raising and lowering device for liquid fuel burning wick appliances	19910426	India	180866 19990305
80.	An improved process for the preparation of anhydrous ketone	19910802	India	184103 20001229
81.	An improved process for the preparation of liquid para tertiary octyl phenol	19911206	India	177750 19970905
82.	An improved process for the preparation of hydrogenated jojoba oil	19911216	India	178998 19980424
83.	An improved process for the preparation of saturated fatty alcohols from jojoba oil by catalytic hydrogenolysis	19911227	India	182407 19991029
84.	An improved process for the preparation of tetramethylene sulfone	19920806	India	182632 19991217
85.	An improved process for the recovery of long chain (C18-C24) mono unsaturated and saturated fatty alcohols and fatty acids from hydrogenated jojoba oil	19920623	India	179013 19980424
86.	A improved process for the microbial process for dewaxing of heavier petroleum fraction (B.P.350-500 deg C)	19930519	India	185598 20010907
87.	An improved gas burner and gas stove incorporating the burner	19921104	India	185904 20011214
88.	A composition for cutting oil	19931105	India	185926

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89.	A device for dual fuel operation of diesel engines with alcohols	19930128	India	185941 20011221
90.	An improved method for the manufacture of extreme pressure industrial gear oil	19930128	India	186525 20020419
91.	An improved process for the production of adipic acid	19930128	India	185944 20011221
92.	An improved process for the separation of aromatic hydrocarbons from mixture containing such hydrocarbons and nonaromatics boiling in the range of straight run naphtha and kerosene	19930215	India	186028 20020118
93.	A distillate fuel oil composition for improved cold flow.	19940711	India	186252 20020215
94.	An improved process for the preparation of white oils.	19930702	India	186799 20020621
95.	A process for the preparation of jojoba estolide having improved pour point and long chain fatty acids from jojoba oil	19930908	India	187293 20021011
96.	A process for the preparation of jojoba oil analogues from non edible seed oils	19930908	India	187925 20030228
97.	A soluble cutting oil	19931105	India	188253 20030509
98.	An improved process for the simultaneous preparation of adipic acid by oxidation of cyclohexane using a cobalt catalyst and recovering the catalyst	19931105	India	183057 20000310
99.	An improved process for the preparation of aromatic hydrocarbons and LPG	19931228	India	187992 20030313
100.	A device useful for conducting controlled velocity corrosion test in a vacuum distillation unit	19931228	India	188027 20030313
101.	A process for the preparation of a catalyst useful for the preparation of carboxylic acids by one step oxidation of hydrocarbons	19940322	India	188688 20030801
102.	An improved process for preparation of carboxylic acids by one step oxidation of hydrocarbons	19940322	India	187995 20030313
103.	An improved process for the dewaxing of foots oil using microorganisms	19940329	India	187996 20030313
104.	An improved process for the preparation of methyl (3,5 di-tert-butyl-4-hydroxy phenyl) propionate	19940520	India	188962 20030919
105.	An improved process for the preparation of impregnating type electrode pitch	19940602	India	188897 20030905
106.	An improved catalyst formulation useful for the desulphurization of gas streams containing hydrogen sulphide	19940602	India	188331 20030620
107.	An improved process for the conversion of H ₂ S to elemental sulphur	19940602	India	188715 20030814
108.	A new composition useful hot rolling of steel	19940602	India	188899 20030905
109.	An improved process for the simultaneous	19940624	India	189517

	extraction of aromatics and non-aromatics from naphtha acid kerosene			20040123
110.	An improved distillate fuel oil composition having improved cold flow characteristics	19940711	India	191252 20040426
111.	An improved distillate fuel oil composition having improved cold flow characteristics	19940711	India	191253 20040426
112.	An improved process for the extraction of a mixture of linear terminal olefins and linear paraffin from coke distillates	19940711	India	188540 20030711
113.	An improved process for the preparation of LPG and high octane aromatic hydrocarbons from non-economically viable petroleum feed stocks over a zinc aluminosilicate molecular sieve catalyst	19940711	India	189406 20040101
114.	An improved burner useful in metal processing industries	19940727	India	188965 20030919
115.	A process for the production of high purity petrochemical grade hexane from food grade hexane	19940727	India	189162 20031010
116.	An improved process for the preparation of trialkyl borate esters	19940804	India	189284 20040123
117.	A process for the preparation of sulphurized karauja oil for the use as an extreme pressure additive	19940804	India	188966 20030919
118.	a process for the preparation of a novel catalyst useful for the preparation of LPG and high octane aromatics	19940923	India	188718 20030814
119.	A process for the production of LPG and high octane aromatic hydrocarbons from natural gas condensate using a novel zinc aluminosilicate molecular sieve catalyst	19940923	India	188969 20030923
120.	An improved process for the separation of aromatics and non-aromatics from feedstocks of kerosene range petroleum fraction and recovering the extract hydrocarbons	19940929	India	189165 20031010
121.	A process for the recovery of methyl (ester of butylated hydroxy phenyl) propionic acid from waste streams of polyol based phenol type high temperature anti oxidants	19940929	India	191631 20040630
122.	An improved process for the preparation of 3-(hydroxy phenyl) propionate ester from sterically hindered pentaerythritol and methyl ester of phenyl substituted propionic acid	19940929	India	189476 20040123
123.	An improved process for the production of pure aromatics	19950207	India	191653 20040630
124.	an improved process for the preparation of impregnating type electrode pitch	19960620	India	191106 20040412
125.	A process for the preparation of novel porous crystalline synthetic material constituted by silicon, zinc and aluminium oxides useful as a catalyst for the preparation of LPG and high octane aromatics	19950331	India	191297 20040607

126.	A composition useful as a quenching oil for heat treatment of steel	19950331	India	190559 20040315
127.	An improved solvent extraction process for the production of special boiling solvents using NMP solvent	19960620	India	191005 20030913
128.	A process for the preparation of dealuminated crystalline alumino silicate zeolite especially zeolite-y	19950704	India	196931 20071115
129.	An improved two stroke engine with selective exhaust gas recirculation	19950705	India	191458 20040630
130.	A process for making petroleum perived pitch for conversion into carbon fibres	19950221	India	194351 20060210
131.	An improved process for the preparation of hydrogen ated polyalphaolefins	19961115	India	194996 20060317
132.	Aprocess for the preparation of fluid catalytic cracking (FCC) catalyst	19961129	India	202354 20061124
133.	A process for synthesis of porous crystalline vanadium silicate by sol-gel technique	19970327	India	195810 20060421
134.	A device useful for evaluating corrosion inhibitors used for corrosion control of overhed distillation units	19970704	India	193954 20060120
135.	A process for the preparation of bio-fuel	19971024	India	199686 20060922
136.	A process for the preparation of microporous crystalline titanium silicate	19971230	India	199836 20060610
137.	An improved process for the preparation of novel FCC catalyst using modified crystalline molecular sieve and silica alumina matrix	19980324	India	194836 20060303
138.	An improved process for the preparation of paving grade bitumens from waxy crudes	19980427	India	215714 20080303
139.	An improved process for the preparation of high purity sodium alkyl aryl sulfonates from heavy alkyl benzenes	19980515	India	215857 20080304
140.	An improved process for the preparation of alkaline earth metal alkyl aryl sulfonates useful as rust preventives	19980515	India	215720 20080303
141.	An improved process for the extraction of aromatic hydrocarbons from kerosene range using a micro porous hallow fibre membranes	19980515	India	215089 20080221
142.	An improved process for the production of pure light aromatics	19980618	India	216246 20080311
143.	An improved multi directional stand useful for a portable burner system	19980813	India	194633 20060811
144.	A formulation useful as an extreme pressure antiwear antifriction additive for industrial gear oils	19980826	India	215826 20080304
145.	A process for the preparation of phospho sulfurised derivatives of hydrogenated cardanol useful as antiwear antifriction and extreme pressure additives	19980826	India	215707 20080303
146.	An improved process for the preparation of sulphurised derivatives of non-traditional	19980826	India	216128 20080310

	vegetalbe oil useful as extreme pressure antiwear additives			
147.	an improved process for making electrode grade petroleum binder pitch	19981224	India	197372 20060811
148.	A process for making impregnating pitch from FCC recycle stocks of waxy crudes	19981224	India	199693 20061208
149.	A new process for the preparation of group ii/group iii lubricating oil	20000309	India	216805 20080319
150.	An improved industrial gas burner	20010105	India	220134 20080515
151.	Film burner	19841228	PH	311781 19910603
152.	Film burner	19840720	GB	GB2161915A 19880727
153.	An improved process for the selective separation of linear terminal olefine hydrocarbons from petroleum fractions	19841003	DE	DE 3436289 A 1 19881003
154.	Catalyst and a process for preparing carboxylic acids using the catalyst	19940727	US	5547905 19960820
155.	An improved process for preparation of carboxylic acids by one step oxidation of hydrocarbons	19940728	EP	0694333 19990929
156.	An improved process for preparation of carboxylic acids by one step oxidation of hydrocarbons	19950216	JP	3389363H7281 44 20030117
157.	Catalyst and a process for preparing carboxylic acids using the catalyst	19950217	CA	2142792 20030506
158.	An improved process for preparation of carboxylic acids by one step oxidation of hydrocarbons	19950320	ME	207152 20020314
159.	An improved process for preparation of carboxylic acids by one step oxidation of hydrocarbons	19950218	KO	0230197 19990821
160.	A novel catalyst and a process for preparing carb acids using the catalyst	19950919	TA	086608 19970912
161.	Catalyst comprising oxides of silicon, zinc and aluminium used for the preparation of LPG and high octane aromatics and a process for preparinfg the same	19970117	US	6177374 20010123
162.	Process for the production of LPG and high actane aromatic hydrocarbons from non-economically viable petroleum food stock	19990331	US	5961818 19991005
163.	A process for preparation of novel catalyst useful for sweetening of sour petroleum distillates	20010313	USA	6696381 20040224

164.	an improved process for the preparation of a catalyst useful for liquid-liquid sweetening of LPG and light petroleum distillates	20010313	USA	6740619 20040525
165.	A process for the fixed bed sweetening of petroleum distillates using halogenated metal phthalocyanine as a catalyst	20010313	USA	6755964 20040629
166.	A process for sweetening of LPG, light petroleum distillates by liquid-liquid extraction using metal phthalocyanine sulphonamide catalyst	20010326	USA	6565740 20030520
167.	Process for the preparation of a novel catalyst useful for sweetening of sour petroleum distillates	20010330	UK	GB 2372501 20040804
168.	Process for the preparation of a catalyst useful for liquid-liquid sweetening LPG and light petroleum distillates	20010330	UK	GB 2371300 20040804
169.	Process for sweetening petroleum distillates using halogenated metal phthalocyanine catalyst	20010330	UK	GB2371556 20040728
170.	A process for sweetening LPG and light petroleum distillates	20010330	UK	GB2373790 20041019
171.	A process for preparation of novel catalyst useful for sweetening of sour petroleum distillates	20010330	France	FR 2816853 20040709
172.	An improved process for the preparation of a catalyst useful for liquid-liquid sweetening of LPG and light petroleum distillates	20010330	France	FR2816854 20040716
173.	A process for the fixed bed sweetening of petroleum distillates using halogenated metal phthalocyanine as a catalyst	20010330	France	FR 2818282 20040618
174.	sweetening of LPG and light petroleum distillates by liquid-liquid extraction in presence of alkali solution of metal phthalocyanine sulphonamide catalyst	20010330	France	FR 2822837 20050128
175.	Process for preparing vanadyl pyrophosphate catalyst	20030320	USA	6774081 20040810
176.	Process for preparing vanadyl pyrophosphate catalyst	1/7/2005	S Korea	9-5-2007-0012 50416 19-1-2007
177.	Process for preparing vanadyl pyrophosphate catalyst	27/06/2005	Australia	2003200849 39084