

Small Sampling of On-Board Fuel Reformer Patents

C = CATALYTIC	D = DIESEL	TECH = TECHNOLOGY COMPANY
P = PLASMA	G = GASOLINE	AUTO = AUTO OR AUTO PARTS COMPANY
V = VORTEXING		UNIV = UNIVERSITY
		OIL = OIL COMPANY

REFORMER	ENGINE	PATENT	OWNER				
TYPE	TYPE	NUMBER	TYPE	APPLICANT OR INVENTOR	DATE	TITLE	LINK
C	D, G	GB129963		ROBIN GRENIER VIDY ET G ZWINGE (FR)	1-Apr-1920	Improvements in or relating to Carburettors for Internal Combustion Engines.	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB129963">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB129963</a>
C	G	GB150796		DAVID JOSEPH SMITH	6-Sep-1920	Improvements in and relating to gas producers for vehicles	<a href="http://v3.espacenet.com/textdes?DB=EPODOC&amp;IDX=GB150796&amp;F=0&amp;QPN=GB150796">http://v3.espacenet.com/textdes?DB=EPODOC&amp;IDX=GB150796&amp;F=0&amp;QPN=GB150796</a>
		GB154795		GEORGE LLEWELLYN DENTON JAMES	9-Dec-1920	Improved liquid fuel economiser and decarboniser	<a href="http://v3.espacenet.com/textdes?DB=EPODOC&amp;IDX=GB154795">http://v3.espacenet.com/textdes?DB=EPODOC&amp;IDX=GB154795</a>
C	G	GB187022	TECH	JOHN I THORNYCROFT & CO LTD; JOHN EDWARD THORNYCROFT	12-Oct-1922	Improvements in or relating to suction gas producer plants with special reference to vehicle driving	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB187022">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB187022</a>
C		GB206705		ADAM MEIRO	15-Nov-1923	An explosion engine	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB206705">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB206705</a>
	D, G	US1531942		FRANK HOWARD	31-Mar-1925	Fuel converter for engines	<a href="http://v3.espacenet.com/origdoc?DB=EPODOC&amp;IDX=US1531942&amp;F=0&amp;QPN=US1531942">http://v3.espacenet.com/origdoc?DB=EPODOC&amp;IDX=US1531942&amp;F=0&amp;QPN=US1531942</a>
	D, G	GB250289		MARKUS BRUTZKUS	12-Apr-1926	Process for obtaining water gas from liquid hydrocarbons	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB250289">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB250289</a>
C	D, G	GB256631		ANDRE LUCIEN NOUVELLE	7-Nov-1927	Improvements in or relating to the working of internal combustion engines	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB256631">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB256631</a>
C	G	GB276621	TECH	CARBONE SA LE	15-Mar-1928	A process and apparatus for utilising heavy fuel for feeding internal combustion prime movers	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB276621">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB276621</a>
	D, G	US1769679	AUTO	ENSIGN CARBURETOR CO LTD	1-Jul-1930	Liquid-fuel converter	<a href="http://v3.espacenet.com/origdoc?DB=EPODOC&amp;IDX=US1769679&amp;F=0&amp;QPN=US1769679">http://v3.espacenet.com/origdoc?DB=EPODOC&amp;IDX=US1769679&amp;F=0&amp;QPN=US1769679</a>
C	D, G	GB398037		CHARLES ADOLPHE ROSIER	7-Sep-1933	Improvements in process of and apparatus for producing highly combustible gaseous fuel from liquid hydrocarbons	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB398037">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB398037</a>
C	D, G	GB408124	TECH	IG FARBENINDUSTRIE AG	5-Apr-1934	Improvements in and apparatus for operating internal combustion engines	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB408124">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB408124</a>
C	D, G	GB426491		PAUL GRANICHSTAEDTEN	4-Apr-1935	Method of and means for increasing the calorific efficiency by supplying a mixture of producer gas rich in hydrogen and heavy oils to an internal combustion engine	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB426491">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB426491</a>
	G	US2050504		SIMPSON JESSE J; DELBERT SIMPSON	11-Aug-1936	Fuel converter for gasoline engines	<a href="http://v3.espacenet.com/origdoc?DB=EPODOC&amp;IDX=US2050504&amp;F=0&amp;QPN=US2050504">http://v3.espacenet.com/origdoc?DB=EPODOC&amp;IDX=US2050504&amp;F=0&amp;QPN=US2050504</a>
		GB563046		MICHAEL STEINSCHLAEGER	27-Jul-1944	A process for the manufacture of gaseous fuels of high calorific value	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB563046">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB563046</a>
C	D, G	GB640410	OIL	SHELL REFINING & MARKETING CO; ISAAC LUBBOCK; RICHARD RIGBY	19-Jul-1950	Internal combustion engine employing a regenerator for heating the charge	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB640410">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB640410</a>
C	G	GB681811		KEITH WILLIAMS	29-Oct-1952	Method of and means for producing fuel in internal combustion engines	<a href="http://v3.espacenet.com/textdes?DB=EPODOC&amp;IDX=GB681811">http://v3.espacenet.com/textdes?DB=EPODOC&amp;IDX=GB681811</a>
C	D, G	GB686742		ABRABER TRUST	28-Jan-1953	A process for the preparation of a gaseous fuel for internal combustion engines	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB686742">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB686742</a>
		GB694457		SING NAM CHAN	22-Jul-1953	Improvements in or relating to apparatus for cracking oils for supply of oil gas to internal combustion engines	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB694457">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB694457</a>
C	D, G	GB770814		PABLO AUGUST	27-Mar-1957	Internal combustion engine for operation within the range of medium compression ratios	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB770814">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB770814</a>
C, P	G, D	GB870993	AUTO	MASCHF AUGSBURG NUERNBERG AG	21-Jun-1961	A method of operating an internal combustion engine with the simultaneous recovery of the unused heat of combustion and an internal combustion engine for performing the method	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB870993">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB870993</a>
C		GB1160256	TECH	TEXAS INSTRUMENTS INC (US)	6-Aug-1969	Reforming Carbonaceous Fuels (USING MOLTEN SALT)	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1160256">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1160256</a>
C		GB1249466	TECH	ICI LTD (GB)	13-Oct-1971	STEAM REFORMING OF HYDROCARBONS	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1249466">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1249466</a>
C	D, G	US3682142	TECH	INTERN MATERIALS	8-Aug-1972	METHOD AND MEANS FOR GENERATING HYDROGEN AND A MOTIVE SOURCE INCORPORATING SAME	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3682142">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3682142</a>
C	G, D	US3717129	OIL	PHILLIPS PETROLEUM CO	20-Feb-1973	METHOD AND APPARATUS FOR REDUCING ENGINE EXHAUST POLLUTANTS	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3717129">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3717129</a>
C	G, D	GB1328294		LINDSTROM OB	30-Aug-1973	TREATMENT OF FUEL SUPPLIED TO COMBUSTION ENGINES	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1328294">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1328294</a>
C	G	US3855980	OIL	MOBIL OIL CORP	24-Dec-1974	FUEL SYSTEMS FOR ENGINES	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3855980">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3855980</a>

C	G	GB1395260	TECH	SIEMENS AG	21-May-1975	METHOD OF OPERATING CRACKING CARBURETTORS FOR INTERNAL COMBUSTION ENGINES AND CRACKING CARBURETTORS FOR USE IN THAT METHOD	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1395260">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1395260</a>
C	G	US3908606	AUTO	TOYOTA MOTOR CO LTD	30-Sep-1975	Internal combustion engine (with a fuel reformer)	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3908606">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3908606</a>
C	G	US3908606	AUTO	TOYOTA MOTOR CO LTD	30-Sep-1975	Internal combustion engine	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3908606">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3908606</a>
C	G	US3918412		LINDSTROM OLLE B	11-Nov-1975	Fuel treatment for combustion engines	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3918412">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3918412</a>
C	G	GB1416914	TECH	SIEMENS AG	10-Dec-1975	METHOD OF CRACKING A LIQUID HYDROCARBON FUEL AND APPARATUS FOR USE THEREIN	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1416914">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1416914</a>
C	G	US3930476	TECH	SIEMENS AG	6-Jan-1976	Internal combustion engine system (REFORMER BUILT INSIDE THE MUFFLER)	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3930476">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3930476</a>
C	G	US3955538	AUTO	NIPPON SOKEN	11-May-1976	Fuel reforming system for an internal combustion engine	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3955538">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3955538</a>
P, V	G	FR2302420		CHAMBRIN JEAN (FR)	24-Sep-1976	APPARATUS AND COMBINATION OF MEANS allowing the CONDITIONING of fuel and water	<a href="http://v3.espacenet.com/textdraw?DB=EPODOC&amp;IDX=FR2302420">http://v3.espacenet.com/textdraw?DB=EPODOC&amp;IDX=FR2302420</a>
C	G	US3986350		SCHMIDT REINHOLD	19-Oct-1976	Method of and apparatus for improved methanol operation of combustion systems	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3986350">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US3986350</a>
C	G	GB1457420	AUTO	TOYOTA MOTOR CO LTD	1-Dec-1976	INTERNAL COMBUSTION ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1457420">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1457420</a>
C	D	US4002151	AUTO	TOYOTA MOTOR CO LTD	11-Jan-1977	Diesel engine and method for improving the performance thereof	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4002151">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4002151</a>
C	G	JP52003924	AUTO	NIPPON DENSO CO; TOYOTA MOTOR CO LTD	12-Jan-1977	FUEL REFORMING DEVICE FOR INTERNAL COMBUSTION ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP52003924">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP52003924</a>
C	D	US4003343	OIL	PHILLIPS PETROLEUM CO	18-Jan-1977	Method and apparatus for maintaining the operating temperature in a device for reducing engine exhaust pollutants	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4003343">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4003343</a>
C	G	JP52009715	AUTO	TOYOTA MOTOR CO LTD; FUJI ELECTRIC CO LTD	25-Jan-1977	OPERATION PROCEDURE OF INTERNAL COMBUSTION ENGINE WITH REFORMED GAS GENERATOR	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP52009715">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP52009715</a>
C		US4009006		HREHA FRANK	22-Feb-1977	Water to fuel converter	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4009006">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4009006</a>
P	G	GB1469471	AUTO	NIPPON SOKEN	6-Apr-1977	FUEL REFORMING APPARATUS IN AN INTERNAL COMBUSTION ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1469471">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1469471</a>
C	G	GB1470580	AUTO	NISSAN MOTOR	14-Apr-1977	SYSTEM FOR REFORMING ORGANIC FUEL INTO HYDROGEN GAS-CONTAINING MIXTURE BY CATALYTIC REACTION	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1470580">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1470580</a>
C	G	US4036180	AUTO	NIPPON SOKEN	19-Jul-1977	Fuel reforming system for an internal combustion engine	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4036180">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4036180</a>
C	D, G	US4036181	TECH	THAGARD TECHNOLOGY CO	19-Jul-1977	High temperature fluid-wall reactors for transportation equipment	<a href="http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4036181">http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4036181</a>
C	G	US4037568		SCHREIBER EDWARD T	26-Jul-1977	Exhaust heated hydrogen and oxygen producing catalytic converter for combustion engine	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4037568">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4037568</a>
C	D, G	GB1489704	TECH	NASA	26-Oct-1977	HYDROGEN-RICH GAS GENERATOR	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1489704">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1489704</a>
C	D	US4059076	AUTO	NISSAN MOTOR	22-Nov-1977	Method and apparatus for generating reformed gas containing hydrogen and carbon monoxide from hydrocarbon fuel	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4059076">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4059076</a>
P	G	US4066043	AUTO	NIPPON SOKEN	3-Jan-1978	Fuel reforming system for an internal combustion engine (uses a spark plug inline with rich fuel/air mix before final air mix.)	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4066043">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4066043</a>
C	D	GB1503001	AUTO	TOYOTA MOTOR CO LTD (JP)	8-Mar-1978	DIESEL ENGINE AND METHOD FOR THE COMBUSTION EFFICIENCY THEREOF	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1503001">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1503001</a>
C	G	GB1503422	TECH	SIEMENS AG (DE)	8-Mar-1978	OPERATION OF INTERNAL COMBUSTION ENGINES USING GASEOUS FUEL	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1503422">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1503422</a>
C	G	GB1508447	AUTO	NIPPON SOKEN	26-Apr-1978	INTERNAL COMBUSTION ENGINES INCLUDING FUEL REFORMING APPARATUS	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1508447">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1508447</a>
C	G	US4086877	TECH	SIEMENS AG	2-May-1978	Method of operating an internal combustion engine fed with a reformed gas	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4086877">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4086877</a>
C	D	US4108114	AUTO	NISSAN MOTOR	22-Aug-1978	Fuel reformer for generating gaseous fuel containing hydrogen and/or carbon monoxide	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4108114">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4108114</a>
C		GB1522407	AUTO	NISSAN MOTOR	23-Aug-1978	FUEL REFORMER FOR GENERATING GASEOUS FUEL CONTAINING HYDROGEN AND/OR CARBON MONOXIDE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1522407">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB1522407</a>
C	G	US4121542	TECH	SIEMENS AG	24-Oct-1978	Method and apparatus for operating an internal combustion engine	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4121542">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4121542</a>
C	G	US4125090	AUTO	TOYOTA MOTOR CO LTD	14-Nov-1978	Control method and system for car-mounted fuel reformer	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4125090">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4125090</a>
C	G	US4143620	AUTO	NIPPON SOKEN	13-Mar-1979	Fuel reforming system	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4143620">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4143620</a>
C	G	US4147136	AUTO	NIPPON SOKEN	3-Apr-1979	Fuel reforming system for an internal combustion engine	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4147136">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4147136</a>
C	G	JP54087326	AUTO	TOYOTA MOTOR CO LTD	11-Jul-1979	EXHAUST GAS REFORMING EQUIPMENT IN HEAT ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP54087326">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP54087326</a>
C	G	US4175523	AUTO	NIPPON SOKEN	27-Nov-1979	Internal combustion engine and a method for operation thereof	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4175523">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4175523</a>
C	G, D	US4185595	TECH	SIEMENS AG (DE)	29-Jan-1980	Method for the operation of internal combustion engines	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4185595">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4185595</a>

C	G	US4230072	AUTO	NIPPON SOKEN	28-Oct-1980	Internal combustion engine with a methanol reforming system	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4230072">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4230072</a>
C	G	US4256060		KELLY DONALD A	17-Mar-1981	Manifold hydrogen generator units for automotive I.C. engines	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4256060">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4256060</a>
P, V	G	WO8203249		CHAMBRIN JEAN PIERRE MARIE	30-Sep-1982	A REACTOR FOR TRANSFORMING WATER AND CARBURANTS FOR USE AS A FUEL MIXTURE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO8203249">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO8203249</a>
		DE3130290	TECH	NOKSAN ENERGY DEV CO (KR)	14-Oct-1982	Device for producing mixed water gases for an internal combustion engine	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=DE3130290">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=DE3130290</a>
P, V	G	WO8204096		CHAMBRIN JEAN PIERRE MARIE	25-Nov-1982	A REACTOR FOR TRANSFORMING WATER AND CARBURANTS FOR USE AS A FUEL MIXTURE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO8204096">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO8204096</a>
C	D, G	JP58018546		HAYAKAWA TETSUROU	3-Feb-1983	DEVICE FOR IMPROVING COMBUSTION CONDITION IN INTERNAL-COMBUSTION ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP58018546">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP58018546</a>
C	G	JP58051259		TSURUGA TAKAHIRO	25-Mar-1983	ENGINE OPERATED BY ALCOHOL MODIFIED GAS	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP58051259">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP58051259</a>
C	D, G	US4380970		DAVIS ROY A (AU)	26-Apr-1983	Combustion engines	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4380970">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4380970</a>
	D	JP58135351		HAYAKAWA TETSUROU	11-Aug-1983	IMPROVING DEVICE FOR COMBUSTION CONDITION OF DIESEL ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP58135351">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP58135351</a>
C	G	US4403576	TECH	SOUTHWEST RES INST (US)	13-Sep-1983	Fuel system for and a method of operating a spark-ignited internal combustion engine	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4403576">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4403576</a>
C	G	US4418653	OIL	CONOCO INC (US)	6-Dec-1983	Alcohol fuel dual-catalyst treatment apparatus and method	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4418653">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4418653</a>
C	G	US4420462		CLYDE ROBERT A	13-Dec-1983	Catalytic heat exchanger	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4420462">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4420462</a>
C	G	US4425876	OIL	CONOCO INC (US)	17-Jan-1984	Alcohol dissociation and waste heat recovery process for automobiles	<a href="http://v3.espacenet.com/textdes?DB=EPODOC&amp;IDX=US4425876">http://v3.espacenet.com/textdes?DB=EPODOC&amp;IDX=US4425876</a>
C	G	US4429534	TECH	WILLIAMS INT CORP (US)	7-Feb-1984	Methanol fueled spark ignition engine	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4429534">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4429534</a>
C	G	US4441461	OIL	CONOCO INC (US)	10-Apr-1984	Alcohol dissociation and waste heat recovery process for automobiles	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4441461">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4441461</a>
C	G	DE3413508	OIL	CONOCO INC (US)	4-Apr-1985	Process for the dissociation of alcohol fuels and recovery of waste heat for motor vehicles	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=DE3413508">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=DE3413508</a>
C	G	JP60075752	TECH	MITSUBISHI ELECTRIC CORP	30-Apr-1985	CONTROLLER FOR GAS FUEL ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP60075752">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP60075752</a>
C	G	JP60088815		YAMATOU MICHIMASA	18-May-1985	FUEL ECONOMIZER FOR INTERNAL-COMBUSTION ENGINE WITH SPARK PLUG	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP60088815">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP60088815</a>
P	G	EP0153116	TECH	SUTABIRAIZA CO LTD (JP); UOZUMI SUTEKIY	28-Aug-1985	Method of obtaining mechanical energy utilizing H2O-plasma generated in multiple steps.	<a href="http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP0153116">http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP0153116</a>
C	G	GB2159876		FRYER TIMOTHY MICHAEL WILLIAM	11-Dec-1985	Catalytic treatment of i.c. engine fuel supply	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB2159876">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=GB2159876</a>
C	D, G	US4567857	TECH	NASA	4-Feb-1986	Combustion engine system	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4567857">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4567857</a>
	D, G	US4573435		SHELTON GLENN F	4-Mar-1986	Apparatus and method for generating hydrogen gas for use as a fuel additive in diesel engines	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4573435">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4573435</a>
C	D	US4573435		SHELTON GLENN F	4-Mar-1986	Apparatus and method for generating hydrogen gas for use as a fuel additive in diesel engines	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4573435">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4573435</a>
C	D, G	DE3440202		ANDERSEN KJELD	7-May-1986	Process for preparing the fuel for a combustion engine utilizing its waste heat	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=DE3440202">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=DE3440202</a>
C	G	JP61286203	AUTO	MITSUBISHI HEAVY IND LTD	16-Dec-1986	REFORMING METHOD FOR METHANOL	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP61286203">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP61286203</a>
C	D, G	CN85109487			1-Jul-1987	ENGINE PRODUCING HYDROGEN WITH REMAINDER HEAT	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=CN85109487">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=CN85109487</a>
C	G	US4735186	AUTO	JAGUAR CARS (GB)	5-Apr-1988	Internal combustion engine and a method of operating the engine	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4735186">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4735186</a>
C	G	JP63285254	AUTO	MAZDA MOTOR	22-Nov-1988	REFORMED FUEL SUPPLY DEVICE FOR ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP63285254">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP63285254</a>
C	G	US4884531	OIL	MOBIL OIL CORP (US)	5-Dec-1989	Operation of an internal combustion engine with a pre-engine reformer	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4884531">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US4884531</a>
C	G	JP3145558	AUTO	ISUZU MOTORS LTD	20-Jun-1991	ALCOHOL REFORMING ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP3145558">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP3145558</a>
P	D, G	EP0438901	OIL	EXXON RESEARCH ENGINEERING CO (US)	31-Jul-1991	Conversion of C2+ hydrocarbons using microwave radiation.	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP0438901">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP0438901</a>
C	G	JP4066757		TAKUMA SOGO KENKYUSHO KK	3-Mar-1992	METHANOL REFORMING TYPE GAS ENGINE-COGENERATION DEVICE AND METHOD	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP4066757">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP4066757</a>
P	G	JP6081731	TECH	FRONTIER MAAKETEINGU KK	22-Mar-1994	REFORMING DEVICE FOR COMBUSTION AIR FOR INTERNAL COMBUSTION ENGINE AND THE LIKE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP6081731">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP6081731</a>
C	G	JP6219702	TECH	AQUEOUS RES KK	9-Aug-1994	REFORMER	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP6219702">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP6219702</a>
C	D, G	US5343699		MCALISTER ROY E (US)	6-Sep-1994	Method and apparatus for improved operation of internal combustion engines	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US5343699">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US5343699</a>
	D	JP6288248		YOKOYAMA RIICHIRO	11-Oct-1994	OUTPUT INCREASING METHOD BY CONCURRENT HIGH-TEMPERATURE DECOMPOSITION OF WATER OF SEMI-DIESEL ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP6288248">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP6288248</a>
C	G	US5357908	TECH	ENGELHARD CORP (US)	25-Oct-1994	Fuel modification method and apparatus for reduction of pollutants emitted from internal combustion engines	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US5357908">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US5357908</a>
C	G	JP6346807	TECH	AQUEOUS RES KK	20-Dec-1994	CARBURETOR	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP6346807">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP6346807</a>



	G	US5379728	TECH	TRANSGLOBAL TECHNOLOGIES LIMIT (BZ)	10-Jan-1995	Fuel supply system for internal combustion engines	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US5379728">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US5379728</a>
P	D, G	WO9506194	UNIV	MASSACHUSETTS INST TECHNOLOGY (US)	2-Mar-1995	PLASMATRON-INTERNAL COMBUSTION ENGINE SYSTEM	<a href="http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO9506194">http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO9506194</a>
C	G	WO9512066	TECH	NICKTOWN PTY LTD (AU)	4-May-1995	ENGINE FUEL METERING AND STEAM REFORMER SYSTEM	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO9512066">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO9512066</a>
P	D, G	US5425332	UNIV	MASSACHUSETTS INST TECHNOLOGY (US)	20-Jun-1995	Plasmatron-internal combustion engine system	<a href="http://l2.espacenet.com/textdes?DB=EPODOC&amp;IDX=US5425332">http://l2.espacenet.com/textdes?DB=EPODOC&amp;IDX=US5425332</a>
P	D, G	US5437250	UNIV	MASSACHUSETTS INST TECHNOLOGY (US)	1-Aug-1995	Plasmatron-internal combustion engine system	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US5437250">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US5437250</a>
	G	JP7292372	TECH	AQUEOUS RES KK	7-Nov-1995	LEAN BURN ENGINE SYSTEM	<a href="http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP7292372">http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP7292372</a>
C, P, V	D, G	WO9614501		PANTONE PAUL (US)	17-May-1996	Fuel pretreater apparatus and method	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO9614501">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO9614501</a>
C	G	JP9021362	TECH	HITACHI LTD	21-Jan-1997	INTERNAL COMBUSTION ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP9021362">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP9021362</a>
C	G	DE19624435	AUTO	DAIMLER BENZ AG (DE)	28-Aug-1997	Mobile, economical, compact steam-methanol reformer	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=DE19624435">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=DE19624435</a>
C	G	DE19623998	AUTO	DAIMLER BENZ AG (DE)	28-Aug-1997	Methanol-steam reformer catalyst accommodates mechanical shock in mobile use	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=DE19623998">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=DE19623998</a>
C, P, V	D, G	EP0793771		PANTONE PAUL (US)	10-Sep-1997	FUEL PRETREATER APPARATUS AND METHOD	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP0793771">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP0793771</a>
C, P, V	D, G	BR9509623		PANTONE PAUL (US)	6-Jan-1998	FUEL PRETREATER APPARATUS AND METHOD	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=BR9509623">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=BR9509623</a>
C, P, V	D, G	CN1171834		PANTONE PAUL (US)	28-Jan-1998	Fuel Pretreater apparatus and method	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=CN1171834">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=CN1171834</a>
C, V	D, G	JP10077483		FUJIMAKI TATSUTO	24-Mar-1998	FUEL REFORMING APPARATUS	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP10077483">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP10077483</a>
P, V	D, G	US5794601		PAUL PANTONE	16-Aug-1998	Fuel pretreater apparatus and method	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US5794601">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US5794601</a>
P	D, G	US5887554	UNIV	COHN DANIEL R (US); RABINOVICH ALEXANDER (US); TITUS CHARLES H (US)	30-Mar-1999	Rapid response plasma fuel converter systems	<a href="http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US5887554">http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US5887554</a>
C, P, V	D, G	AU704442B		PANTONE PAUL (US)	22-Apr-1999	Fuel pretreater apparatus and method	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=AU704442B">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=AU704442B</a>
C	D, G	US5938800	TECH	MCDERMOTT TECHNOLOGY INC (US)	17-Aug-1999	Compact multi-fuel steam reformer	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US5938800">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US5938800</a>
	G	CN1229878		LU GAO (CN)	29-Sep-1999	I. C. engine cylinder using water as fuel and method of producing fuel using water	<a href="http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=CN1229878">http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=CN1229878</a>
C	G	JP2001012321	AUTO	NISSAN MOTOR	16-Jan-2001	REFORMED GAS SUPPLY CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2001012321">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2001012321</a>
P	D, G	WO0109031	TECH	DAVID SYSTEMS TECHNOLOGY S L (ES)	8-Feb-2001	PLASMA TRANSFORMER FOR THE TRANSFORMATION OF FOSSIL FUELS INTO HYDROGEN-RICH GAS	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO0109031">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO0109031</a>
P	D, G	WO0114702	UNIV	MASSACHUSETTS INST TECHNOLOGY (US)	1-Mar-2001	LOW POWER COMPACT PLASMA FUEL CONVERTER	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO0114702">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO0114702</a>
P	G	US6202633		CAMPAGNA MARC JEAN (CA); COLT RICHARD	20-Mar-2001	Molecular reactor for fuel induction	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US6202633">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US6202633</a>
C	G	NL1014261C	TECH	AIR PROPULSION INTERNAT N V (AN)	19-Apr-2001	Fuel hydrocarbon reforming device of fuel injection system for internal combustion engine consists of multiple co-axial tubes and helical tube used for generating vortex flow of fuel	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=NL1014261C">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=NL1014261C</a>
C, V	D, G	WO0129393	TECH	AIR PROPULSION INTERNAT N V (NL); HANNON MICHAEL FRANCIS (US); DOORN ROBERTUS JOHANNES (NL)	26-Apr-2001	DEVICE FOR REFORMING HYDROCARBON-CONTAINING FUELS AND GASIFYING THEM	<a href="http://v3.espacenet.com/textdes?DB=EPODOC&amp;IDX=WO0129393">http://v3.espacenet.com/textdes?DB=EPODOC&amp;IDX=WO0129393</a>
P	D, G	WO0133056	UNIV	MASSACHUSETTS INST TECHNOLOGY (US)	10-May-2001	LOW POWER COMPACT PLASMA FUEL CONVERTER	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO0133056">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO0133056</a>
C, P, V	D, G	RU2168029		PANTONE PAUL (POL PANTON (US))	27-May-2001	DEVICE AND METHOD OF PRELIMINARY TREATMENT OF FUEL	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=RU2168029">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=RU2168029</a>
P	G	JP2001159372		HATANAKA TAKESHI	12-Jun-2001	HYDROGEN COMBUSTION ENGINE SYSTEM AND VEHICLE AND HYBRID VEHICLE DRIVEN BY THE SYSTEM (using a plasma reactor)	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2001159372">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2001159372</a>
C, P	G	JP2001221109	AUTO	NILES PARTS CO LTD	17-Aug-2001	INTERNAL COMBUSTION ENGINE AND AUTOMOBILE (A Fuel Reformer)	<a href="http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2001221109">http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2001221109</a>
P, V	D, G	KR20010078438		AHN SEUNG BAE (KR)	21-Aug-2001	SYSTEM FOR PRE-PROCESSING AND PURIFYING FUEL WITH EXHAUST GAS OF INTERNAL COMBUSTION ENGINE (... fuel is induced to the plasma status using a magnetic field by static electricity from a gap of temperature...)	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=KR20010078438">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=KR20010078438</a>
P, V	D, G	KR20010078437		AHN SEUNG BAE (KR)	21-Aug-2001	METHOD FOR PROCESSING REACTION CORE FOR REDUCING FUEL OF INTERNAL COMBUSTION ENGINE (this is a patent regarding the best shape to use for a Pantone type reactor rod)	<a href="http://v3.espacenet.com/textdes?DB=EPODOC&amp;IDX=KR20010078437">http://v3.espacenet.com/textdes?DB=EPODOC&amp;IDX=KR20010078437</a>
P, V	D, G	KR20010078436		AHN SEUNG BAE (KR)	21-Aug-2001	DEVICE FOR REDUCING FUEL WITH PLASMA ( copy of GEET reactor)	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=KR20010078436">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=KR20010078436</a>

C, V	D, G	CA2375678		HINOMARU SHOKAI CO LTD (P)	11-Oct-2001	FUEL REFORMING DEVICE (using spiraling tube heat exchanger; outer portion filled with silicon dioxide and inner spiral tubing to and from a short crystal tube for the fuels to pass through) Doesn't say what mineral is the crystal, maybe quartz	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=CA2375678">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=CA2375678</a>
C	G	US6318306	AUTO	NISSAN MOTOR (US)	20-Nov-2001	Internal combustion engine equipped with fuel reforming system	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US6318306">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US6318306</a>
C, P	D, G	US2002012618		BROMBERG LESLIE (US); COHN DANIEL R (US); RABINOVICH ALEXANDER (US); ALEXEEV NIKOLAI (RU)	31-Jan-2002	Plasmatron-catalyst system	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2002012618">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2002012618</a>
C	G	RU2179251		POLUJANOV V N; POLUJANOV M V; ARISTOVA O V	10-Feb-2002	METHOD OF PRODUCTION OF TECHNICAL HYDROGEN AND ITS USE IN INTERNAL COMBUSTION ENGINES	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=RU2179251">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=RU2179251</a>
C, P	D, G	JP2002061541	AUTO	DAIDO STEEL CO LTD	28-Feb-2002	INTERNAL COMBUSTION ENGINE SYSTEM WITH SUBSTANCE CONVERTING DEVICE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2002061541">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2002061541</a>
C	G	EP1219795	TECH	BASF AG (DE)	3-Jul-2002	Method and converter for catalytic conversion of fuel	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP1219795">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP1219795</a>
P, V	D, G	WO02053901		LIM SOONJA (KR); AN SEUNGBAE (KR)	11-Jul-2002	A SYSTEM OF CONVERTING FUEL INTO A PLASMA STATE TO REDUCE FUEL CONSUMPTION	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO02053902">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO02053902</a>
P, V	D, G	WO02053902		LIM SOONJA (KR); AN SEUNGBAE (KR)	11-Jul-2002	A METHOD OF MANUFACTURING A REACTION CORE THAT INDUCES A CONVERSION OF FUEL	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO02053902">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO02053902</a>
C	D	WO02055851	TECH	CATALYTICA ENERGY SYS INC	18-Jul-2002	CATALYST PLACEMENT IN COMBUSTION CYLINDER FOR REDUCTION OF NOx AND PARTICULATE SOOT	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO02055851">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO02055851</a>
P, V	D, G	WO02055867		LIM SOONJA (KR); AN SEUNGBAE (KR)	18-Jul-2002	A SYSTEM OF CONVERTING FUEL INTO A PLASMA STATE TO REDUCE FUEL CONSUMPTION AND POLLUTANTS	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO02055867">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO02055867</a>
P	D, G	US6502562		MANALO ROMEO L (PH)	7-Jan-2003	Method and apparatus for reforming gas vapors of an internal combustion engine	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US6502562">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US6502562</a>
C	G	US6508209		COLLIER JR R KIRK (US)	21-Jan-2003	Reformed natural gas for powering an internal combustion engine	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2007018992">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2007018992</a>
P	D, G	WO03023205	AUTO	ARVIN TECHNOLOGIES INC (US)	20-Mar-2003	PLASMATRON-INTERNAL COMBUSTION ENGINE SYSTEM HAVING AN INDEPENDENT ELECTRICAL POWER SOURCE	<a href="http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO03023205">http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO03023205</a>
C, P	D, G	WO03027005	UNIV	MASSACHUSETTS INST TECHNOLOGY (US)	3-Apr-2003	PLASMATRON-CATALYST SYSTEM	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO03027005">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO03027005</a>
C	G	JP2003097306	AUTO	NISSAN MOTOR	3-Apr-2003	REFORMED GAS ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2003097306">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2003097306</a>
C, P	D, G	US2003131830		NOBLE PAUL (US)	17-Jul-2003	Fuel converter	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2003131830">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2003131830</a>
C	G	JP2003293867	AUTO	NISSAN MOTOR	15-Oct-2003	FUEL REFORMING GAS ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2003293867">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2003293867</a>
P	D, G	US2003196427		KONG PETER C (US); DETERING BRENT A (US)	23-Oct-2003	Plasma reforming and partial oxidation of hydrocarbon fuel vapor to produce synthesis gas and/or hydrogen gas	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2003196427">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2003196427</a>
P	D, G	WO03091554	AUTO	ARVIN TECHNOLOGIES INC (US)	6-Nov-2003	PLASMATRON HAVING AN AIR JACKET	<a href="http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO03091554">http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO03091554</a>
C	D, G	JP2003327404	TECH	BABCOCK HITACHI KK	19-Nov-2003	HYDROGEN MANUFACTURING APPARATUS AND ITS OPERATION METHOD	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2003327404">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2003327404</a>
C	D, G	US6655130	TECH	DELPHI TECH INC (US)	2-Dec-2003	System and controls for near zero cold start tailpipe emissions in internal combustion engines	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US6655130">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US6655130</a>
P	D, G	WO03102397	UNIV	MASSACHUSETTS INST TECHNOLOGY (US)	11-Dec-2003	LOW CURRENT PLASMATRON FUEL CONVERTER HAVING ENLARGED VOLUME DISCHARGES	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO03102397">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO03102397</a>
P	G	WO2004013471	AUTO	ARVIN TECHNOLOGIES INC (US)	12-Feb-2004	METHOD AND APPARATUS FOR ADVANCING AIR INTO A FUEL REFORMER BY USE OF AN ENGINE VACUUM	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2004013471">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2004013471</a>
C	G	WO2004013041	AUTO	ARVIN TECHNOLOGIES INC (US)	12-Feb-2004	METHOD AND APPARATUS FOR GENERATING PRESSURIZED AIR BY USE OF REFORMATE GAS FROM A FUEL REFORMER	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2004013041">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2004013041</a>
P, V	D, G	US2004033177		BROWN CHRISTOPHER STEWART (CA); KIRSTEIN FREDERICK JACOBUS (CA); MARTIN PAUL FRANCIS (CA); WONG HAROLD TROY (CA)	19-Feb-2004	Compact (VORTEXING) plasma-based fuel reformer	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2004033177">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2004033177</a>
P	G	WO2004027526	AUTO	ARVIN TECHNOLOGIES INC (US)	1-Apr-2004	FUEL REFORMER CONTROL SYSTEM AND METHOD	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2004027526">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2004027526</a>
C	D, G	EP1417997	AUTO	RENAULT SA (FR)	12-May-2004	Catalytic depollution process for motor vehicle engine and associated process for hydrogen production	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP1417997">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP1417997</a>

P	D, G	US2004099226		BROMBERG LESLIE (US); RABINOVICH ALEXANDER (US)	27-May-2004	Homogeneous charge compression ignition control utilizing plasmatron fuel converter technology	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2004099226">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2004099226</a>
P	G	WO2004044405	AUTO	ARVIN TECHNOLOGIES INC (US)	27-May-2004	FUEL REFORMER SHUTTING DOWN METHOD AND APPARATUS	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2004044405">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2004044405</a>
C	D, G	JP2004190586	TECH	HITACHI LTD	8-Jul-2004	COMPRESSION IGNITION TYPE INTERNAL COMBUSTION ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2004190586">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2004190586</a>
C, P	G	US2004134126		VIZOSO RICARDO BLACH (RU);	15-Jul-2004	Method for plasma-catalytic conversion of fuels that can be used in an internal combustion engine or a gas turbine into a synthetic gas and the plasma-catalytic converter used for same	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2004134126">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2004134126</a>
C	G	US2004159289		TAYLOR WILLIAM (US); KRAMER DENNIS A (US); BAUER SHAWN D (US)	19-Aug-2004	Method and apparatus for controlling a fuel reformer by use of existing vehicle control signals	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2004159289">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2004159289</a>
C, P	D, G	WO2004096424	AUTO	ARVIN TECHNOLOGIES INC (US); SMALING RUDOLF M (US)	11-Nov-2004	PLASMA FUEL REFORMER HAVING A SHAPED CATALYTIC SUBSTRATE POSITIONED IN THE REACTION CHAMBER THEREOF AND METHOD FOR OPERATING THE SAME	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2004096424">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2004096424</a>
C	G	DE10318865	AUTO	DAIMLER CHRYSLER AG (DE)	11-Nov-2004	Device for producing a hydrogen-containing gas comprises units for removing low-boiling fuel fractions from a mixture of hydrocarbons, and a reforming unit for producing a hydrogen-containing gas from the low-boiling fractions	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=DE10318865">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=DE10318865</a>
C, P	D, G	TW223906B		HONG RONG-FANG (TW)	11-Nov-2004	Low power hydrocarbon fuel plasma converter	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=TW223906B">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=TW223906B</a>
C	G	WO2004113223	TECH	POWERGEN INTERNAT PTY LTD (AU); SADIKAY FADIL (AU)	29-Dec-2004	REFORMATE ASSISTED COMBUSTION	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2004113223">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2004113223</a>
C	D, G	US2005022450		TAN CHER-DIP (US); WEISSMAN JEFFREY G (US); BONADIES JOSEPH V (US); KIRWAN JOHN E (US)	3-Feb-2005	Reformer system; a method of producing hydrogen in the reformer system and a method of using the reformer system	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2005022450">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2005022450</a>
C	G	EP1515036	TECH	DELPHI TECH INC (US)	16-Mar-2005	Method and apparatus for fueling an internal combustion engine	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP1515036">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP1515036</a>
C	G	RU2287068		SMOLENSKIJ IGOR NIKOLAEVICH (UA); KOZARENKO VLADIMIR IVANOVICH (UA); SMOLENSKIJ OLEG IGOREVICH (UA)	10-Apr-2005	METHOD OF AND DEVICE FOR OPERATION OF ECOLOGICALLY-SAFE INTERNAL COMBUSTION ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=RU2287068">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=RU2287068</a>
C	G	US2005081514	AUTO	TOYOTA MOTOR CO LTD	21-Apr-2005	Internal combustion engine (using an exhaust heated fuel reformer with some re-circulated exhaust through the reformer)	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2005081514">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2005081514</a>
C	G	JP2005106043	TECH	KINSEE SOGO KENKYUSHO KK	21-Apr-2005	DEVICE FOR SAVING FUEL	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2005106043">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2005106043</a>
C	G	JP2005127312	AUTO	NISSAN MOTOR	19-May-2005	FUEL REFORMING METHOD AND FUEL REFORMING DEVICE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2005127312">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2005127312</a>
C	G	MXPA03009693		WILBERT MANUEL VILLAMIL FRANCO (MX)	5-Jul-2005	HYDROTHERMAL GASOLINE ECONOMIZER	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=MXPA03009693">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=MXPA03009693</a>
C	D, G	JP2005188860	TECH	DAN KIKAKU KK	14-Jul-2005	COMBUSTION METHOD AND COMBUSTION DEVICE (Radioactive Catalyst)	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2005188860">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2005188860</a>
		JP2005226497	AUTO	TOYOTA MOTOR CORP	25-Aug-2005	INTERNAL COMBUSTION ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2005226497">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2005226497</a>
C, P	D, G	JP2005240586	AUTO	NIPPON STEEL CORP; MITSUBISHI HEAVY IND LTD	8-Sep-2005	COMPLEX SYSTEM OF LOW-TEMPERATURE PLASMA DEVICE AND GAS ENGINE AND ENERGY GENERATING METHOD	<a href="http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2005240586">http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2005240586</a>
P	D, G	US2005214179	UNIV	RABINOVICH ALEXANDER (US); ALEXEEV NIKOLAI (RU); BROMBERG LESLIE (US); COHN DANIEL R (US); SAMOKHIN ANDREI (RU)	29-Sep-2005	Low current plasmatron fuel converter having enlarged volume discharges	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2005214179">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2005214179</a>
P	D, G	WO2005094335	UNIV	MASSACHUSETTS INST TECHNOLOGY (US); RABINOVICH ALEXANDER (US); ALEXEEV NIKOLAI (RU); SAMOKHIN ANDREI (RU); BROMBERG LESLIE (US); COHN DANIEL (US); HADIDI KAMAL (US)	13-Oct-2005	WIDE DYNAMIC RANGE MULTISTAGE PLASMATRON REFORMER SYSTEM	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2005094335">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2005094335</a>
P	G	US2005224017		MANALO ROMEO L (US)	13-Oct-2005	Device for reforming gas vapors of an internal combustion engine	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2005224017">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2005224017</a>
C	G	JP2005337231	TECH	NISHIKAWA JIDOSHA KK	8-Dec-2005	REFORMER FOR FUEL/COMBUSTION AIR AND COMBUSTIVE CONDITION IMPROVING DEVICE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2005337231">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2005337231</a>
C	D, G	JP2006037745	AUTO	TOYOTA MOTOR CORP	9-Feb-2006	INTERNAL COMBUSTION ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2006037745">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2006037745</a>



C	G	JP2006046274	AUTO	TOYOTA MOTOR CORP Classification:	16-Feb-2006	INTERNAL COMBUSTION ENGINE, AND OPERATION CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2006046274">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2006046274</a>
C	D,G	JP2006052688	AUTO	NISSAN MOTOR	23-Feb-2006	FEEDING METHOD OF FUEL FOR INTERNAL COMBUSTION ENGINE, AND FEEDER OF FUEL FOR INTERNAL COMBUSTION ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2006052688">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2006052688</a>
C	G	WO2006021852	TECH	EATON CORP (US); HU HAORAN (US)	2-Mar-2006	INTEGRATED FUEL INJECTION SYSTEM FOR ON-BOARD FUEL REFORMER	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2006021852">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2006021852</a>
P	G	JP2006070830	TECH	DENSO CORP	16-Mar-2006	IGNITION DEVICE FOR INTERNAL COMBUSTION ENGINE ( for causing hydrogen generating reforming in the cylinder)	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2006070830">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2006070830</a>
		JP2006105140	TECH	GEN ELECTRIC	20-Apr-2006	SYSTEM AND METHOD FOR REDUCING EMISSION FROM INTERNAL COMBUSTION ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2006105140">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2006105140</a>
C	G	JP2006144736	AUTO	HONDA MOTOR CO LTD	8-Jun-2006	BIOFUEL AUTOMOTIVE SYSTEM	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2006144736">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2006144736</a>
C	D, G	US2006144349	TECH	COUNCIL SCIENT IND RES (IN)	6-Jul-2006	DEVICE FOR PRODUCTION OF HYDROGEN FROM EFFLUENTS OF INTERNAL COMBUSTION ENGINES	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2006144349">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2006144349</a>
C	G	EP1688608	AUTO	PEUGEOT CITROEN AUTOMOBILES SA (FR)	9-Aug-2006	EGR system (with fuel reformer)	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP1688608">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP1688608</a>
P	D, G	CN1821054		ZHOU KAIGEN (CN)	23-Aug-2006	Method and device for plasma producing hydrogen by using garbage biomass and water as raw material	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=CN1821054">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=CN1821054</a>
P	D, G	JP2006240972	TECH	ABANTEI KK	14-Sep-2006	HYDROGEN FUEL SELF-FEEDING APPARATUS (decomposes water to get hydrogen using a thermal plasma arc pinch device)	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2006240972">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2006240972</a>
P	D, G	TW263371B		HONG RONG-FANG (TW)	1-Oct-2006	Electromagnetic field control type fuel plasma converter	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=TW263371B">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=TW263371B</a>
C	G	EP1706628	OIL	SHELL INT RESEARCH (NL)	4-Oct-2006	PROCESS FOR OPERATING A COMPRESSION IGNITION INTERNAL COMBUSTION ENGINE IN COMBINATION WITH A CATALYTIC REFORMER	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP1706628">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP1706628</a>
C	D, G	US2006255319		SADIKAY FADIL (AU)	16-Nov-2006	Reformatte assisted combustion	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2006255319">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2006255319</a>
P, V	G	US2006266637	UNIV	GUTSOL ALEXANDER (US); FRIDMAN ALEXANDER (US); CHO YOUNG I (US); KENNEDY LAWRENCE (US); SAVELIEV	30-Nov-2006	(VORTEXING) Plasma reactor for the production of hydrogen-rich gas	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2006266637">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US2006266637</a>
P, V	D, G	CN1884803		SONG DAILUN (CN)	27-Dec-2006	Electro-gas-dynamic power generation method employing exhaust gas of internal combustion engine and hydrogen preparation by plasma chemical reaction	<a href="http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=CN1884803">http://l2.espacenet.com/textdoc?DB=EPODOC&amp;IDX=CN1884803</a>
C	G	WO2006138452	TECH	C M C ISRAEL HABER LERNER LTD (IL); CLEAN MOTORS CORP (US); LERNER MOSHE LEV (IL)	28-Dec-2006	IMPROVING PERFORMANCE OF INTERNAL COMBUSTION ENGINES	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2006138452">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2006138452</a>
C, V	D, G	WO2007008091		CELIS ROBERTO V (PH)	18-Jan-2007	GAS SAVING DEVICE AND METHOD FOR DISSOCIATING WATER	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2007008091">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2007008091</a>
P	G	MXPA05013888	AUTO	FORD MOTOR CO (US)	26-Jan-2007	DEVICE AND METHOD FOR REFORMING A VOC GAS.	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=MXPA05013888">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=MXPA05013888</a>
C	G	US7207323	TECH	UTILIZATION TECHNOLOGY DEV NFP (US)	15-Feb-2007	RECUPERATIVE REFORMING REACTOR	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2007018992">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2007018992</a>
P	D, G	WO2007021655	AUTO	ARVINMERITOR EMISSIONS TECHNOL (DE); TELEFORD CLIVE D (GB); VENGHAUS	22-Feb-2007	APPARATUS WITH IN SITU FUEL REFORMER AND ASSOCIATED METHOD	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2007021655">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2007021655</a>
C	G	US7207323	TECH	UTILIZATION TECHNOLOGY DEV NFP (US)	24-Apr-2007	Catalytic core reactor for thermochemical heat recovery	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US7207323">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=US7207323</a>
P	D, G	EP1783353		TRAMONTANA MICHEL (IT)	9-May-2007	Apparatus and method for pretreating of fuel	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP1783353">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=EP1783353</a>
C	G	CN1981122	TECH	JFE HOLDINGS INC (JP)	13-Jun-2007	Waste heat recovery apparatus, waste heat recovery system, and method of recovering waste heat	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=CN1981122">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=CN1981122</a>
C	G	WO2007098101	TECH	PRECISION COMBUSTION INC (US); ROYCHOUDHURY SUBIR (US); WALSH DENNIS (US); MASTANDUNO RICHARD (US)	30-Aug-2007	Onboard reforming of fuel and production of hydrogen	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2007098101">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=WO2007098101</a>
C	G	JP2007231900	AUTO	NISSAN MOTOR	13-Sep-2007	FUEL REFORMING DEVICE FOR INTERNAL COMBUSTION ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2007231900">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2007231900</a>
C	G	JP2007231827	AUTO	NISSAN MOTOR	13-Sep-2007	INTERNAL COMBUSTION ENGINE	<a href="http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2007231827">http://v3.espacenet.com/textdoc?DB=EPODOC&amp;IDX=JP2007231827</a>