

Diego Gonzalez

1) Family number: 58124327 (US2016160766A)

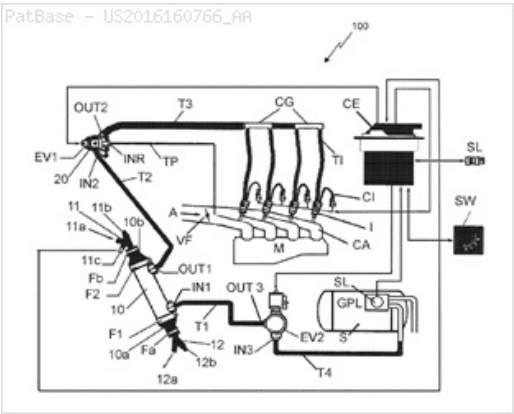
© PatBase

Title: KIT FOR THE REALIZATION OF A DUAL LPG/PETROL FUEL SYSTEM FOR OUTBOARD ENGINES FOR MOTORBOATS

Abstract: The present invention relates to a kit for an LPG fuel for petrol run engines and in particular, a kit of electronic and hydraulic components for the realization of a dual fuelling LPG/petrol system (100) particularly suitable for outboard engines of boats navigating in waters with high salt content. Said kit includes a tube-bundle heat exchanger (10) and a pressure regulator (20) separated one from the other and made of antioxidant materials and devices. The heat exchanger (10) is provided at its end with two respective sacrificial anodes (12b, 11b) for the protection from corrosive galvanic currents and with one temperature sensor (11c) placed at one of said ends. The kit also includes a plurality of electrohydraulic LPG injectors (I) and an electronic control unit (CE) set to manage and adjust the operation of such injectors (I), of the pressure regulator (20) and of a plurality of other devices. Said kit also includes an electronic commutator (SW) set for a bilateral electrical connection with the electronic control unit (CE) and includes a switch for the commutation from one feeding mode (LPG) to another feeding mode (petrol) and vice versa.

Classifications:

International (IPC 8-9): B63H20/00 F02B61/04 F02D19/06 F02M21/02
F02M21/06 (Advanced/Invention);
F02B61/04 F02B69/04 (Advanced/Non-invention)
CPC: B63H20/001 F02B61/045 F02B69/04 F02D19/0647 F02D19/066
F02D19/0678 F02M21/0239 F02M21/06 Y02T10/32 Y02T10/36 F02D19/06
US: 123/525 123/557 123/575



Family:

Publication number	Publication date	Application number	Application date
DE602014007686 D1	20170427	DE201460007686T	20140616
EP3011158 A1	20160427	EP20140744637	20140616
EP3011158 B1	20170315	EP20140744637	20140616
ITLE20130009 A1	20141220	IT2013LE00009	20130619
US2016160766 AA	20160609	US20140897625	20140616
US10066554 BB	20180904	US20140897625	20140616
WO14203145 A1	20141224	WO2014IB62261	20140616

Priority:

IT2013LE00009 20130619 EP20140744637 20140616 WO2014IB62261 20140616

Probable Assignee: MARCO CASAMASSIMA

Assignee(s): (std): CASAMASSIMA MARCO ; MARCO CASAMASSIMA

Inventor(s): (std): CASAMASSIMA MARCO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 29494184 (US6601389B)

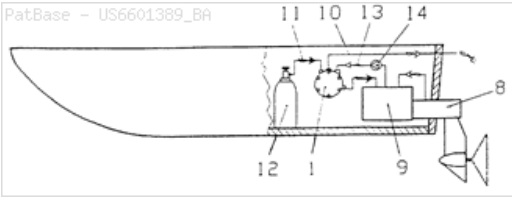
© PatBase

Title: LIQUIFIED GAS EVAPORATING DEVICE FOR MARINE ENGINES

Abstract: A liquefied gas evaporating device supplies liquefied petroleum gas to a marine engine, wherein the device includes a box that includes a heating body incorporating an evaporating chamber and a thermal chamber which are contiguous and separated by a common wall. The thermal chamber hot sea water coming out of a cooling circuit of an engine to flow therethrough via an accelerating pump mounted on an evacuation pipe of the cooling circuit. The heating body is made of a material that resists corrosive action of sea water.

Classifications:

International (IPC 8-9): F02M21/06 (Advanced/Invention);
F02M21/06 (Core/Invention)
International (IPC 1-7): F02M21/06 F03G7/04
CPC: F02M21/0212 F02M21/029 F02M21/06 Y02T10/32



Family:

Publication number	Publication date	Application number	Application date
AT271653 E	20040815	AT20000907744T	20000229
CA2363275 AA	20010828	CA20002363275	20000229
DE60012315 D1	20040826	DE20006012315	20000229
DE60012315 D1	20040826	DE20006012315T	20000229
DE60012315 T2	20050317	DE20006012315T	20000229
EP1173669 A1	20020123	EP20000907744	20000229
EP1173669 B1	20040721	EP20000907744	20000229
FR2790517 A1	20000908	FR19990002720	19990301
FR2790517 B1	20010504	FR19990002720	19990301
US6601389 BA	20030805	US20010914563	20010831
WO0052320 A1	20000908	WO2000FR00496	20000229

Priority:

FR19990002720 19990301 WO2000FR00496 20000229

Probable Assignee: DI GENNARO ANTOINE

Assignee(s): (std): DI GENNARO ANTOINE ; GENNARO ANTOINE DI ; PORTA MICHEL

Inventor(s): (std): DI GENNARO ANTOINE ; PORTA MICHEL

Agent(s): ROBIC

Designated states: AT BE CA CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE US

3) Family number: 43917078 (WO09141512A1)

© PatBase

Title: DEVICE FOR BLEEDING GAS FROM A VEHICLE LIQUEFIED PETROLEUM GAS TANK TO USE IT TO START THE ENGINE

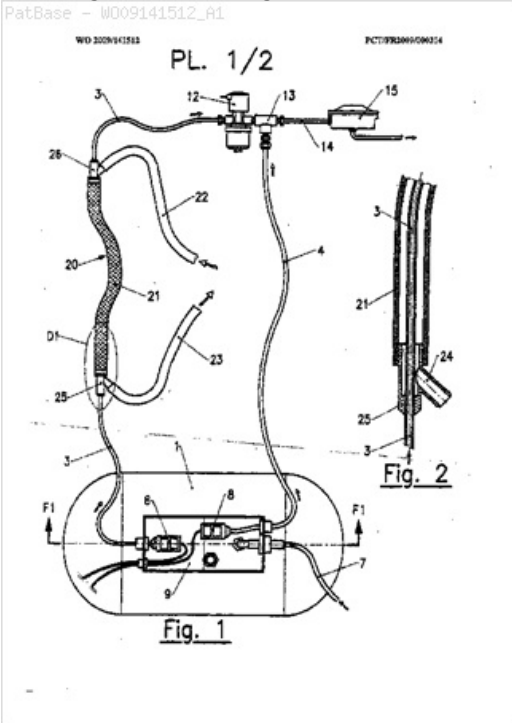
Abstract: The subject of the present invention is a device for bleeding gas from a land or marine vehicle liquefied petroleum gas tank to use it to start the engine. This device comprises a double supply of liquefied gas consisting of a combination, firstly, of a fuel pipe for fuel in the liquid phase (3) taken from the bottom of the tank (1), associated with a system (20) for vaporizing the said fuel and, secondly, of a fuel pipe for fuel in the gaseous phase (4) tapped from the top of the said tank and intended to be supplied to the engine during the starting period, the gaseous fuel supply being cut off when the engine is sufficiently hot and replaced with the liquefied gas supply. The invention may be suitable for all types of internal combustion engines of the carburetor and fuel injected type, whether these engines be stationary engines, land vehicle engines or marine engines.

Classifications:

International (IPC 8-9): F02D19/02 F02M21/02 F02M21/06 F02M25/08 F02N17/08 F02N19/00 (Advanced/Invention)

CPC: F02M21/0221 F02M21/0212 F02M21/0242 F02M21/0287 B60K15/03006 F02B43/10 F02M21/06 F02M37/10 F17C9/00 F17C9/02 F17C2221/033 F17C2221/035 F17C2223/0153 F17C2265/066 F17C2270/0105 F17C2270/0168 Y02T10/32

European: B60K15/03B F02M21/02 F02M21/06 F17C9/00 F17C9/02 R02B43/10 R02M37/10 R17C221/03B1 R17C221/03B3 R17C223/01B1 R17C265/06D R17C270/01A1 R17C270/01D1



Family:

Publication number	Publication date	Application number	Application date
EP2274513 A1	20110119	EP20090749993	20090324

FR2930297 A1	20091023	FR20080002157	20080418
FR2930297 B1	20110819	FR20080002157	20080418
WO09141512 A1	20091126	WO2009FR00314	20090324

Priority:

FR20080002157 20080418 WO2009FR00314 20090324

Probable Assignee: DI GENNARO ANTOINE

Assignee(s): (std): DI GENNARO ANTOINE

Assignee(s): ANTOINE DI GENNARO

Inventor(s): (std): DI GENNARO ANTOINE

Inventor(s): ANTOINE DI GENNARO

Agent(s): ANTOINE DI GENNARO; LAYET

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ
DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP
KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ
NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM
TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW