

Title (en)
DEVICE FOR OPERATING AN ENGINE

Title (de)
VORRICHTUNG FÜR EIN BETREIBEN EINES MOTORS

Title (fr)
DISPOSITIF PERMETTANT DE FAIRE FONCTIONNER UN MOTEUR

Publication
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Application
EP 17724386 A 20170523

Priority
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Abstract (en)
[origin: CA3017803A1] The invention relates to a device and a method for ascertaining an injection time and/or an amount of a liquefied gas fuel - such as liquefied petroleum gas (LPG), natural gas (CNG), liquefied natural gas (LNG), biogas or hydrogen (H₂) - to be delivered to a cylinder of an engine (19) in order to operate the engine (19) in a bivalent or trivalent fuel operating mode, said device being designed in such a way that the ascertained injection time of the liquefied gas fuel is dependent on an ascertained calorific power or an ascertained gas mixture characteristic. A gas mixture analysis module (7) is used for optimizing combustion. A gas start mechanism allows a vehicle to be started on gas power even at low temperatures.

IPC 8 full level
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BR 112018072657 A2 20190219; BR 112018072657 B1 20231121; CA 3017803 A1 20171130; CL 2018003127 A1 20190215;
CN 109154241 A 20190104; CN 109154241 B 20201229; CO 2018011926 A2 20181113; DK 3249201 T3 20200803; EA 038953 B1 20211115;
EA 201892700 A1 20190628; EP 3464856 A1 20190410; ES 2804107 T3 20210203; HR P20201170 T1 20201113; IL 262865 A 20181231;
IL 262865 B 20220701; JP 2019522137 A 20190808; JP 6978429 B2 20211208; KR 102274486 B1 20210712; KR 20190014530 A 20190212;
MA 45086 A 20190410; MX 2018013460 A 20190314; PE 20190076 A1 20190114; PH 12018502017 A1 20190729; PL 3249201 T3 20201116;
PT 3249201 T 20200709; SA 518400488 B1 20220306; SI 3249201 T1 20201030; US 10927773 B2 20210223; US 2019145327 A1 20190516;
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IL 26286518 A 20181107; JP 2018551934 A 20170523; KR 20187037531 A 20170523; MA 45086 A 20170523; MX 2018013460 A 20170523;
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