

Title (en)

MONITORING IGNITION FUEL INJECTION SYSTEMS OF DUAL FUEL ENGINES

Title (de)

ÜBERWACHUNG DER ZÜNDUNG VON KRAFTSTOFFEINSPRITZSYSTEMEN VON DUALEN BRENNSTOFFMOTOREN

Title (fr)

SURVEILLANCE DE SYSTÈMES D'INJECTION DE COMBUSTIBLE D'ALLUMAGE DE MOTEURS À DEUX COMBUSTIBLES

Publication

EP 2839137 A1 20150225 (EN)

Application

EP 13719390 A 20130419

Priority

- EP 12164932 A 20120420
- EP 2013001171 W 20130419
- EP 13719390 A 20130419

Abstract (en)

[origin: EP2653706A1] During the liquid fuel mode of a dual fuel internal combustion engine (10), soot may deposit at the fuel injectors (30, 42) and may jam the fuel injector needle. In such case, the liquid fuel supply system (32) may not work properly. For evaluating the mechanical function of the liquid fuel supply system (32), a common rail (34) fluidly connected to the liquid fuel supply system (32) may be monitored. In case of a mechanical malfunction of the liquid fuel supply system (32) or of the ignition fuel supply system, the dual fuel internal combustion engine (10) may be switched over from LFM to GFM, respectively.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2013156161A1

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