

Title (en)

A fuel-supply system for an internal-combustion engine

Title (de)

Brennstoffversorgungssystem für einen Verbrennungsmotor

Title (fr)

Système d'alimentation de carburant pour moteur à combustion interne

Publication

EP 2256334 A1 20101201 (EN)

Application

EP 09425198 A 20090521

Priority

EP 09425198 A 20090521

Abstract (en)

A fuel-supply system (1) for an internal-combustion engine has a high-pressure pump (7) that receives fuel from a low-pressure pump (7) through a pipe (10) provided with a solenoid valve (27) of an on-off type; the solenoid valve has an open/close element (40) that translates along an axis (33) between an opening position and a closing position under the opposite actions of an electric actuator (43) and a spring (42); in the closing position, under the thrust of the spring (42), the open/close element (40) closes an axial inlet (32) and inhibits passage of fuel towards an outlet (38), which is provided in a radial direction and communicates with at least one intake valve (25) of the high-pressure pump (7).

IPC 8 full level

F02M 59/36 (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

F02M 59/366 (2013.01); **F02M 63/0015** (2013.01)

Citation (applicant)

EP 1612402 A1 20060104 - FIAT RICERCHE [IT]

Citation (search report)

- [XY] EP 1898084 A1 20080312 - HITACHI LTD [JP]
- [Y] EP 1895218 A1 20080305 - MAGNETI MARELLI POWERTRAIN SPA [IT]
- [DA] EP 1612402 A1 20060104 - FIAT RICERCHE [IT]
- [A] WO 03083286 A1 20031009 - BOSCH GMBH ROBERT [DE], et al

Cited by

EP2508744A1; CN102734019A; ITBO20110183A1; US8474436B2

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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