

Title (en)

Fuel supply system for internal combustion engines

Title (de)

Brennstoffversorgungssystem für Brennkraftmaschinen

Title (fr)

Système d'alimentation en carburant pour moteurs à combustion interne

Publication

EP 0822330 B1 20010530 (DE)

Application

EP 97105983 A 19970411

Priority

DE 19627579 A 19960709

Abstract (en)

[origin: EP0822330A2] The baffle pot in the fuel tank forms the accumulator whose capacity is limited by a spring-loaded (10) piston (11), using a piston travel switch (12) in a pot as a pressure switch. The accumulating space (9) is connected to the fuel delivery line (7) from pump to distributor bar by an electrical cutoff switch (13), and the piston spring (10) coaxially surrounds the fuel pump (1). Baffle (2), pump and accumulator space (9) are joined to one another in modular arrangement, screwed together by tie-bolt screws, and installed all together in the baffle pot. Fuel is passed from pump and reducer via line (21) and switch (13) to the accumulating space (22), so when the piston moves against its spring the fuel line pressure exceeds that imposed by the reduction regulator to build fuel at working pressure on the bar (7). At capacity, piston moves the switch (12) into the open setting thus de-energising the pump until the accumulator capacity is sufficiently lowered and the fuelling cycle recommences.

IPC 1-7

F02M 37/10

IPC 8 full level

F02M 37/08 (2006.01); **F02M 37/10** (2006.01)

CPC (source: EP)

F02M 37/08 (2013.01); **F02M 37/103** (2013.01)

Citation (examination)

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Cited by

EP1336751A4; WO03012280A1

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DE ES FR GB IT

DOCDB simple family (publication)

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