

Title (en)

Fuel injection pump for internal combustion engines.

Title (de)

Kraftstoffeinspritzpumpe für Brennkraftmaschinen.

Title (fr)

Pompe d'injection de combustible pour moteurs à combustion interne.

Publication

EP 0285194 A1 19881005 (EN)

Application

EP 88200365 A 19880227

Priority

IT 4681887 U 19870309

Abstract (en)

The pump comprises a body (2) provided with an axial inner chamber (3) communicating with a delivery pipe; a plunger (9) mobile within the chamber (3) and provided with a shaped-profile groove (10) to vary the pumped fuel delivery rate on varying the angular position of the plunger (9); an inlet bore (4) radially traverses said body (2) and opens into the inner chamber (3), said bore (4) communicating directly with the fuel feed pipe; a spill bore (5) which is distinct and separate from the inlet bore (4) radially traverses said body (2) to open into the inner chamber (3), said bore (5) communicating directly with the fuel spill pipe; a valve (8) is disposed in the spill bore (5) to allow fuel to leave but to prevent it returning to the chamber (3).

IPC 1-7

F02M 59/44; **F02M 55/00**

IPC 8 full level

F02M 55/00 (2006.01); **F02M 59/26** (2006.01); **F02M 59/44** (2006.01); **F02M 59/46** (2006.01)

CPC (source: EP)

F02M 55/00 (2013.01); **F02M 59/265** (2013.01); **F02M 59/44** (2013.01)

Citation (search report)

- DE 822453 C 19511126 - BOSCH GMBH ROBERT
- DE 822543 C 19511126 - SIEMENS AG
- FR 2482203 A1 19811113 - BOSCH GMBH ROBERT [DE]

Cited by

EP1832740A1; US7395815B2

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0285194 A1 19881005; JP S63253169 A 19881020

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