

Title (en)
FUEL INJECTION NOZZLE

Publication
EP 0375130 A3 19910206 (EN)

Application
EP 89311383 A 19891102

Priority
GB 8829699 A 19881220

Abstract (en)
[origin: EP0375130A2] An inwardly opening fuel injection nozzle has a valve member which is biased into contact with a seating (15) by a spring (30). The force of the spring is transmitted to the valve member by a piston (22) slidable in a cylinder (21) formed in the valve member. A restrictor (27) communicates fuel under pressure from an inlet (26) to act on a surface (20) of the valve member to lift the valve member from the seating to allow the fuel flowing through the restrictor to flow through an outlet orifice (17). The piston (22) is also subject to the pressure downstream of the restrictor and when the pressure attains a predetermined value the piston moves relative to the valve member to uncover a port (28) which by-passes the restrictor to allow unrestricted flow of fuel through the outlet orifice.

IPC 1-7
F02M 45/04

IPC 8 full level
F02M 45/08 (2006.01)

CPC (source: EP)
F02M 45/08 (2013.01)

Citation (search report)
• [X] GB 1342357 A 19740103 - CAV LTD
• [X] GB 1433513 A 19760428 - BOSCH GMBH ROBERT

Cited by
AT408253B; DE19612721C2

Designated contracting state (EPC)
DE ES FR GB IT

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