

Title (en)
INJECTION VALVE

Publication
EP 0163097 A3 19871111 (DE)

Application
EP 85104655 A 19850417

Priority
DE 3418761 A 19840519

Abstract (en)
[origin: US4651931A] An injection nozzle for fuel injection systems of internal combustion engines, the nozzle being arranged to inject fuel into the intake tube of the engine. The injection valve includes a valve housing of ferromagnetic material, in which a tubular connection element which functions as a core with which an armature is arranged to cooperate. Joined to the valve housing is a nozzle body having a valve seat with which a sealing section of a nozzle needle also arranged to cooperate. The nozzle needle is guided by guide sections in a guide bore of the nozzle body, and the guide section adjacent to the sealing section is provided with metering bores. By metering fuel upstream of the valve seat, the fuel metering operation is prevented from being impaired by deposits.

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F02M 51/08; **F02M 61/12**; **F02M 69/04**

IPC 8 full level
F02M 51/06 (2006.01); **F02M 51/08** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)
F02M 51/0678 (2013.01 - EP US); **F02M 51/08** (2019.01 - EP US); **F02M 61/163** (2013.01 - EP US); **F02M 61/165** (2013.01 - EP US)

Citation (search report)
• [E] DE 3418762 A1 19851121 - BOSCH GMBH ROBERT [DE]
• [X] DE 1912727 A1 19701001 - BERGER CURT
• [X] DD 11675 B
• [A] GB 2123085 A 19840125 - BOSCH GMBH ROBERT
• [A] US 4192466 A 19800311 - MUTO NORIO [JP], et al

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
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