

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 0944769 B1 20030507 (DE)

Application
EP 98947358 A 19980728

Priority

- DE 9802134 W 19980728
- DE 19744739 A 19971010

Abstract (en)
[origin: US6186472B1] A fuel injection valve has a metal base body extending over its entire axial length, which includes a core/internal pole and a valve jacket. The internal pole is produced by extrusion and includes a valve inlet connection, the actual core of the electromagnetic circuit, a magnetic choke point and an area for guiding an armature. However, the valve jacket is produced by deep drawing. In addition to its function as a housing part, the valve jacket also serves as a valve seat carrier. A clearance is formed between the valve jacket and the internal pole, holding a magnet coil which is sealed by a ring gasket and is therefore dry. This fuel injection valve is suitable in particular for use in fuel injection systems of internal combustion engines with spark ignition and gas mixture compression.

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Citation (examination)

- WO 9842975 A1 19981001 - BOSCH GMBH ROBERT [DE], et al
- WO 9900804 A1 19990107 - BOSCH GMBH ROBERT [DE], et al
- EP 0879952 A2 19981125 - SIEMENS AUTOMOTIVE CORP LP [US]
- EP 0890732 A2 19990113 - BOSCH GMBH ROBERT [DE]
- WO 9842976 A1 19981001 - BOSCH GMBH ROBERT [DE], et al

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