

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 0944769 A1 19990929 (DE)

Application
EP 98947358 A 19980728

Priority
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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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IPC 8 full level
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CPC (source: EP KR US)
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See references of WO 9919620A1

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