

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 1309791 A1 20030514 (DE)

Application
EP 01960142 A 20010803

Priority
• DE 0102961 W 20010803
• DE 10039077 A 20000810

Abstract (en)
[origin: WO0212712A1] A fuel injection valve (1), especially a fuel injection valve (1) for fuel injection systems of internal combustion engines, has a solenoid coil (2), an armature (3) on which a return spring (9) acts, in a closing direction, and a valve needle (13) which is nonpositively connected to the armature (3), for actuating a valve closing body (14) which together with a valve seat surface (16), forms a seal seat. The armature (3) has a pot-shaped axial extension (7) in which at least one opening (20) is configured.

IPC 1-7
F02M 51/06

IPC 8 full level
F02M 51/08 (2006.01); **F02M 51/06** (2006.01); **F02M 61/10** (2006.01)

CPC (source: EP US)
F02M 51/0653 (2013.01 - EP US); **F02M 51/0657** (2013.01 - EP US); **F02M 51/066** (2013.01 - EP US)

Citation (search report)
See references of WO 0212712A1

Designated contracting state (EPC)
DE FR GB IT

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