

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 1423603 A1 20040602 (DE)

Application
EP 02754214 A 20020614

Priority
• DE 0202176 W 20020614
• DE 10142302 A 20010829

Abstract (en)
[origin: DE10142302A1] The fuel injection valve (1), for an internal combustion motor, has a magnetic coil (10) which acts on an armature (20) against a return spring (23) with the valve needle (3), to form the valve unit with an axial movement. The return spring is at a guide sleeve (28), within an axial recess (33) at the valve needle. The sleeve grips through the armature, to give a force fit bond between the valve needle and the armature.

IPC 1-7
F02M 61/12; **F02M 51/06**

IPC 8 full level
F02M 61/12 (2006.01); **F02M 51/06** (2006.01); **F02M 61/20** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP KR US)
F02M 51/0671 (2013.01 - EP US); **F02M 51/0682** (2013.01 - EP US); **F02M 51/0685** (2013.01 - EP US); **F02M 61/12** (2013.01 - KR); **F02M 2200/505** (2013.01 - EP US)

Citation (search report)
See references of WO 03027487A1

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