

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 1649159 A1 20060426 (DE)

Application
EP 04738736 A 20040619

Priority
• DE 2004001286 W 20040619
• DE 10332348 A 20030716

Abstract (en)
[origin: WO2005008058A1] Disclosed is a fuel injection valve (1) comprising a magnet coil (2) which cooperates with an armature (7) that is impinged upon by a return spring (14) and forms an axially movable valve part along with a valve needle (8). A valve-closing member (10) that forms a sealing seat together with a valve seat member (11) is provided on the valve needle (8). A valve sleeve (5) is also provided, the wall thickness of which varies along the axial extension thereof.

IPC 1-7
F02M 51/06; **F02M 61/16**

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

CPC (source: EP US)
F02M 51/0667 (2013.01 - EP US); **F02M 51/0682** (2013.01 - EP US); **F02M 61/16** (2013.01 - EP US)

Citation (search report)
See references of WO 2005008058A1

Designated contracting state (EPC)
DE FR IT

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WO 2005008058 A1 20050127; DE 10332348 A1 20050203; DE 502004004825 D1 20071011; EP 1649159 A1 20060426; EP 1649159 B1 20070829; JP 2006526106 A 20061116; US 2006249601 A1 20061109

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