

Title (en)  
FUEL INJECTION VALVE

Title (de)  
BRENNSTOFFEINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION DE CARBURANT

Publication  
**EP 1649159 B1 20070829 (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 8 full level  
**F02M 51/06** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)  
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