

Title (en)  
FUEL INJECTION VALVE

Title (de)  
BRENNSTOFFEINSPRITZVENTIL

Title (fr)  
INJECTEUR DE CARBURANT

Publication  
**EP 1869311 A1 20071226 (DE)**

Application  
**EP 06705426 A 20060404**

Priority  
• CH 2006000191 W 20060404  
• CH 6762005 A 20050414  
• CH 11152005 A 20050701

Abstract (en)  
[origin: WO2006108309A1] The housing body (14) of the fuel injection valve comprises a recess (108), the end region of said recess having a conical tapering (110) on the bottom side thereof. The supporting body (48) engages in said conical tapering (110) with a projection (116) also comprising a conical end region (118). The closing spring (40) is supported on the needle-shaped injection valve member (34) on one side, and on the guiding sleeve (38) on the other side. The guiding sleeve (38) is supported on the supporting body (48) with the front side (461) thereof, whereby the supporting body is held against the tapering (110) in a sealing manner, under the force exerted by the closing spring (40).

IPC 8 full level  
**F02M 61/16** (2006.01); **F02M 47/02** (2006.01); **F02M 59/46** (2006.01); **F02M 61/12** (2006.01); **F02M 61/20** (2006.01)

CPC (source: EP US)  
**F02M 47/027** (2013.01 - EP US); **F02M 61/12** (2013.01 - EP US); **F02M 61/16** (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **F02M 61/18** (2013.01 - EP US); **F02M 63/0017** (2013.01 - EP US); **F02M 55/004** (2013.01 - EP US); **F02M 2200/16** (2013.01 - EP US); **F02M 2200/8076** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006108309A1

Cited by  
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DOCDB simple family (publication)  
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