

Title (en)  
FUEL INJECTION VALVE

Title (de)  
BRENNSTOFFEINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION DE CARBURANT

Publication  
**EP 1339971 B1 20040512 (DE)**

Application  
**EP 01997637 A 20011120**

Priority  
• DE 0104298 W 20011120  
• DE 10057631 A 20001121

Abstract (en)  
[origin: DE10057631A1] The fuel injection valve (1) comprises a first valve pin (3) that stands in working connection with a first valve lock body (4). The first valve lock body operates with a first valve seat surface (5) in a valve seat body (6) together with a seal seat (7). The fuel injection valve has, downstream of the seal seat, an inject-out opening (8). Upstream of the seal seat, in the supply of the fuel, is a twist element (28) that has a twist channel (34) and a control twist channel (30) and which sits in a twist chamber (35). There is a second valve pin (20) that covers over the control supply opening (29) to the control twist channels. The second valve pin may be built as a hollow pin (21) and enclose, coaxially, the first valve pin.

IPC 1-7  
**F02M 61/16**; **F02M 45/08**

IPC 8 full level  
**F02M 45/08** (2006.01); **F02M 51/06** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)  
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