

Title (en)  
FUEL INJECTION VALVE

Title (de)  
BRENNSTOFFEINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION DE CARBURANT

Publication  
**EP 1303695 A1 20030423 (DE)**

Application  
**EP 01953880 A 20010713**

Priority  
• DE 0102540 W 20010713  
• DE 10034446 A 20000715

Abstract (en)  
[origin: WO0206663A1] A fuel injection valve (31, 48), especially an injection valve for fuel injection systems of internal combustion engines, has an actuator which interacts with a first valve needle (35, 52). A first valve-closing body (36, 53) which is located on said first valve needle (35, 52) interacts with a first valve seat surface (37, 54) to form a first sealed seat (38, 55). A second actuator interacts with a second valve needle (39, 56), a second valve closing body (40, 57) which is located on the second valve needle (39, 56) interacting with a second valve seat surface (41, 58) to form a second sealed seat (42, 59).

IPC 1-7  
**F02M 45/08**; **F02M 51/06**; **F02M 61/18**

IPC 8 full level  
**F02M 61/10** (2006.01); **F02M 45/08** (2006.01); **F02M 51/06** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP KR US)  
**F02M 45/08** (2013.01 - KR); **F02M 45/086** (2013.01 - EP US); **F02M 51/0617** (2013.01 - EP US); **F02M 61/18** (2013.01 - EP US);  
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