

Title (en)  
Fuel injection valve

Title (de)  
Einspritzventil

Title (fr)  
Soupape d'injection

Publication  
**EP 1571328 A3 20060614 (DE)**

Application  
**EP 05101340 A 20050222**

Priority  
DE 102004010183 A 20040302

Abstract (en)  
[origin: EP1571328A2] An automotive fuel injection valve has an actuator (8) acting on a piston within a detent. The assembly further has a jet needle hydraulically linked via a chamber (18) with the piston. When closed the piston shuts off the fuel supply to the injection jet (24). When open, the fuel advances to the jet (24). The chamber (18) is linked to a high-pressure source on one side by a slit to the piston. A pressure compensation gap (34) is located radially outside the slit and hydraulically linked to the high-pressure supply.

IPC 8 full level  
**F02M 51/06** (2006.01); **F02M 45/08** (2006.01); **F02M 61/16** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)  
**F02M 45/086** (2013.01); **F02M 51/0603** (2013.01); **F02M 61/16** (2013.01); **F02M 2200/46** (2013.01); **F02M 2200/703** (2013.01);  
**F02M 2200/704** (2013.01)

Citation (search report)

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JP2007255418A

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

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