

Title (en)  
INJECTION VALVE

Title (de)  
EINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION

Publication  
**EP 1373714 A1 20040102 (DE)**

Application  
**EP 02737752 A 20020326**

Priority  
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Abstract (en)  
[origin: US2003168527A1] An injection valve, in particular an injection valve for an internal combustion engine, is proposed, which includes at least a nozzle body (4), in which a nozzle needle (5) is guided axially displaceably, and an at least one-piece retaining body (7), in which means for actuating the nozzle needle (5) are disposed. On its circumferential surface, the nozzle body (4) has means (25, 26) for engagement of a centering tool (30)

IPC 1-7  
**F02M 61/16**; **F02M 47/02**

IPC 8 full level  
**F02M 47/02** (2006.01); **F02M 51/06** (2006.01); **F02M 59/46** (2006.01); **F02M 61/12** (2006.01); **F02M 61/16** (2006.01); **F02B 3/06** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)  
**F02M 47/027** (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **F02M 63/0026** (2013.01 - EP US); **F02B 3/06** (2013.01 - EP US); **F02M 2200/8092** (2013.01 - EP US); **F02M 2547/003** (2013.01 - EP US)

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**US 2003168527 A1 20030911**; **US 7036754 B2 20060502**; AT E475803 T1 20100815; DE 10139622 A1 20021002; DE 10139622 B4 20180614; DE 50214552 D1 20100909; EP 1373714 A1 20040102; EP 1373714 B1 20100728; HU P0302417 A2 20031028; HU P0302417 A3 20070228; JP 2004518895 A 20040624; WO 02079636 A1 20021010

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