

Title (en)  
FUEL INJECTION VALVE

Title (de)  
KRAFTSTOFFEINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION DE CARBURANT

Publication  
**EP 3006719 B1 20170927 (EN)**

Application  
**EP 14807706 A 20140519**

Priority  
• JP 2013116609 A 20130603  
• JP 2014063183 W 20140519

Abstract (en)  
[origin: EP3006719A1] Provided is a fuel injection valve where it is possible to suppress the occurrence of a damage on a valve seat portion of a control valve of a back pressure control part caused by a foreign substance in high pressure fuel. An inlet connector having an introducing passage for high pressure fuel is mounted on an inlet opening portion of a housing, a fuel chamber is formed between an end surface portion of the inlet connector and a bottom surface portion of the inlet opening portion, a first fuel passage which communicates with a nozzle side opens at an outer peripheral portion of the bottom surface portion within a region of the fuel chamber, and a second fuel passage which communicates with a back pressure control part side opens at a center portion, and the inlet connector is configured such that high pressure fuel introduced into the fuel chamber from the inlet connector is capable of forming a swirl flow.

IPC 8 full level  
**F02M 47/00** (2006.01); **F02M 55/00** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)  
**F02M 47/027** (2013.01); **F02M 55/008** (2013.01); **F02M 55/02** (2013.01); **F02M 61/162** (2013.01); **F02M 61/165** (2013.01); **F02M 2200/02** (2013.01); **F02M 2200/27** (2013.01)

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EP 1335127 A2 20030813 - HITACHI LTD [JP], et al

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**EP 3006719 A1 20160413**; **EP 3006719 A4 20160413**; **EP 3006719 B1 20170927**; CN 105283664 A 20160127; CN 105283664 B 20180525; JP 2014234764 A 20141215; JP 6245681 B2 20171213; WO 2014196344 A1 20141211

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