

Title (en)  
Fuel injection valve device

Title (de)  
Kraftstoffeinspritzventileinrichtung

Title (fr)  
Vanne d'un dispositif d'injection de carburant

Publication  
**EP 1916411 A3 20090916 (DE)**

Application  
**EP 07115150 A 20070829**

Priority  
DE 102006050162 A 20061025

Abstract (en)  
[origin: EP1916411A2] The device has a valve piston (15) comprising a valve piston end (14) that limits a valve control chamber (18) in a valve piece (4). The chamber is connected with a pressure discharging chamber over an outlet throttle (24) provided in an outlet throttle piece that is inserted into the valve piece, where the device is actuated with a help of an anchor. An anchor guiding section is formed at an anchor guide pin, which proceeds from a valve piece base body. The guide pin includes a connection channel connecting the chamber with the discharging chamber over the outlet throttle.

IPC 8 full level  
**F02M 47/02** (2006.01); **F02M 55/00** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)  
**F02M 47/027** (2013.01); **F02M 55/002** (2013.01); **F02M 63/004** (2013.01); **F02M 63/008** (2013.01); **F02M 2200/28** (2013.01); **F02M 2547/003** (2013.01)

Citation (search report)

- [XY] US 2006005816 A1 20060112 - ISHIZUKA KOJI [JP], et al
- [Y] EP 1621764 A1 20060201 - FIAT RICERCHE [IT]
- [X] EP 1302654 A2 20030416 - FIAT RICERCHE [IT]

Cited by  
US9464613B2; EP2292918A1; EP2138707A1; US2014158797A1; EP2138708A1; RU197666U1; US8459575B2; US8640675B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1916411 A2 20080430; EP 1916411 A3 20090916**; DE 102006050162 A1 20080430

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**EP 07115150 A 20070829**; DE 102006050162 A 20061025