

Title (en)
Pilot valve for an injector and injector

Title (de)
Steuerventil für einen Injektor und Injektor

Title (fr)
Soupape de distribution pour un injecteur et injecteur

Publication
EP 1916410 B1 20101020 (DE)

Application
EP 07114577 A 20070820

Priority
DE 102006049533 A 20061020

Abstract (en)
[origin: EP1916410A2] The injector has a nozzle needle, a control valve (3) and a piezoelectric actuator, where the valve has a valve unit (35) and controls a hydraulic connection between a control chamber and a fuel return. The valve unit has a ball (37) and a pressure pin (39), where the ball is guided in a guiding borehole (43) of a valve housing (33). A linear contact surface (45) is provided between the ball and the borehole and is interrupted by a flat portion in the ball surface, where the pin is arranged in the borehole.

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

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 63/0026** (2013.01); **F02M 63/0031** (2013.01); **F02M 63/0071** (2013.01); **F02M 2200/703** (2013.01)

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DOCDB simple family (publication)
EP 1916410 A2 20080430; EP 1916410 A3 20081217; EP 1916410 B1 20101020; AT E485444 T1 20101115; DE 102006049533 A1 20080424; DE 502007005398 D1 20101202

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