

Title (en)
Fuel injection valve device

Title (de)
Kraftstoffeinspritzventileinrichtung

Title (fr)
Dispositif de soupape d'injection de carburant

Publication
EP 2025918 B1 20120307 (DE)

Application
EP 08104491 A 20080620

Priority
DE 102007035739 A 20070730

Abstract (en)
[origin: EP2025918A1] The device has a valve needle (12) controlling the opening of an injection opening by longitudinal movement. Control chambers (16, 35) exert pressure indirectly on the valve needle and stay in connection with a high pressure canal by an inlet (38). A latency piston (40) is arranged in the inlet such that the piston moves into the control chamber (35) when the pressure in the control chamber (35) is decreased to reduce the volume of the control chamber (35). The piston with an inlet canal (44) moves against the spring force of a latency spring (42) in the control chamber.

IPC 8 full level
F02M 45/04 (2006.01); **F02M 45/08** (2006.01); **F02M 47/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)
F02M 45/04 (2013.01); **F02M 45/08** (2013.01); **F02M 47/027** (2013.01); **F02M 63/004** (2013.01); **F02M 63/0068** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2025918 A1 20090218; **EP 2025918 B1 20120307**; AT E548559 T1 20120315; DE 102007035739 A1 20090205

DOCDB simple family (application)
EP 08104491 A 20080620; AT 08104491 T 20080620; DE 102007035739 A 20070730