

Title (en)

Fuel injector valve for combustion engines

Title (de)

Kraftstoffeinspritzventil für Brennkraftmaschinen

Title (fr)

Souape d'injection de carburant pour moteurs à combustion interne

Publication

**EP 2025922 B1 20101222 (DE)**

Application

**EP 08104675 A 20080709**

Priority

DE 102007037825 A 20070810

Abstract (en)

[origin: EP2025922A2] The fuel injection valve (10) has a valve needle (14), which controls an injection opening by its longitudinal movement. The pressure of a control chamber (16) acts directly on the valve needle, which is connected with leakage oil chamber (20) through a discharge channel (18). An intermediate element is arranged between an actuator (30) and guidance (24) such that a mechanical suppression force, which acts on the actuator, is inducted into the guidance through the intermediate element.

IPC 8 full level

**F02M 47/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

**F02M 47/027** (2013.01); **F02M 63/004** (2013.01); **F02M 63/007** (2013.01); **F02M 63/008** (2013.01)

Cited by

US2012216772A1; CN102362319A; EP2254130A3; US7950826B2; US7891843B2; WO2010105864A1

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

**EP 2025922 A2 20090218**; **EP 2025922 A3 20090401**; **EP 2025922 B1 20101222**; DE 102007037825 A1 20090212;  
DE 502008002050 D1 20110203

DOCDB simple family (application)

**EP 08104675 A 20080709**; DE 102007037825 A 20070810; DE 502008002050 T 20080709