

Title (en)
Fuel injector

Title (de)
Brennstoffeinspritzventil

Title (fr)
Injecteur de carburant

Publication
EP 1450034 B1 20080409 (DE)

Application
EP 03025329 A 20031104

Priority
DE 10307816 A 20030224

Abstract (en)
[origin: EP1450034A1] Fuel injection valve (1) for direct injection of fuel into a combustion chamber of an internal combustion engine comprises an excitable actuator (2), a valve needle (26) actuating a valve-closing body (27) forming a sealing seat together with a valve seat surface (28), and a hydraulic coupler (6) having a hydraulic volume (10) and a compensation chamber (19). The volume of the compensation chamber is changed by a membrane (20). Preferred Features: The membrane is moved by silicone oil between a first position corresponding to a maximum compensation chamber and a second position corresponding to a minimum compensation chamber.

IPC 8 full level
F02M 51/06 (2006.01); **F02M 61/08** (2006.01); **F02M 61/10** (2006.01); **F02M 61/16** (2006.01); **F02M 61/12** (2006.01)

CPC (source: EP)
F02M 51/0603 (2013.01); **F02M 61/08** (2013.01); **F02M 61/10** (2013.01); **F02M 61/167** (2013.01); **F02M 61/12** (2013.01);
F02M 2200/9084 (2013.01)

Cited by
EP2141347A1

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