

Title (en)

Fuel injector with pressure-equalised control valve

Title (de)

Kraftstoffinjektor mit druckausgeglichenem Steuerventil

Title (fr)

Injecteur de carburant comportant une soupape de commande à équilibrage de pression

Publication

EP 2466107 B1 20130717 (DE)

Application

EP 11192957 A 20111212

Priority

DE 102010063183 A 20101216

Abstract (en)

[origin: EP2466107A1] The fuel injector has a control valve operated by an actuator, where the control valve operates a valve needle for injecting fuel. The valve needle is suspended by control room. The valve sleeve (42) is pre-stressed with a ring surface by valve spring (44) and is arranged at a component fixed to the housing and separates the high-pressure sided valve room (33) from a low pressure sided valve room (49). The guide slot (50) between the valve pin (41) and the valve sleeve is closed in closed seal seat (30) by a sealing (40) for low pressure sided valve room.

IPC 8 full level

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

CPC (source: EP)

F02M 47/02 (2013.01); **F02M 63/0031** (2013.01); **F02M 63/0073** (2013.01)

Cited by

CN106704067A; WO2017144185A1

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