

Title (en)
Pressure-stabilised actuator

Title (de)
Druckausgeglichenes Stellelement

Title (fr)
Élément de commande à compensation de pression

Publication
EP 1983186 B1 20111019 (DE)

Application
EP 08103368 A 20080404

Priority
DE 102007017729 A 20070416

Abstract (en)
[origin: EP1983186A2] The injector (10) has a nozzle module (12), a throttle plate (14), and a holding body (18). An actuator module such as piezo actuator, is accommodated in a fuel free space within the holding body. A control valve is pressure compensated, and includes a valve body, which contains a passage opening into which a guide pin is guided. The guide pin is supplied within a high pressure area with fuel, which stays under system pressure.

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 63/0043** (2013.01); **F02M 63/0057** (2013.01)

Cited by
CN104797807A; US10024285B2; US9689359B2; US10508635B2

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

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