

Title (en)
Fuel injector

Title (de)
Kraftstoffinjektor

Title (fr)
Injecteur de carburant

Publication
EP 2386746 B1 20140903 (DE)

Application
EP 11165102 A 20110506

Priority
DE 102010028835 A 20100511

Abstract (en)
[origin: EP2386746A2] The injector has a magnet actuator (1) with a stroke-mobile anchor element (4) to control actuating pressure in a control volume (5) that is limited in an axial direction by a first hydraulic effective area (A1). Second and third hydraulic effective areas (A2, A3) are formed at the anchor element and a hydraulic translator (7), and lie opposite to the first area within a guiding borehole (6). The third area formed as a block surface is hydraulically coupled with the first area over the control volume, so that the translator is mechanically coupled with an injecting valve member (2).

IPC 8 full level
F02M 47/02 (2006.01); **F02M 51/06** (2006.01)

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 51/0671** (2013.01); **F02M 51/0685** (2013.01); **F02M 2200/701** (2013.01); **F02M 2200/703** (2013.01); **F02M 2547/001** (2013.01)

Cited by
CN108291508A; EP3168452A1; EP2472096A1; WO2012069393A1; WO2013189636A1; WO2017085124A1

Designated contracting state (EPC)
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EP 2386746 A2 20111116; EP 2386746 A3 20130220; EP 2386746 B1 20140903; DE 102010028835 A1 20111117

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