

Title (en)
VALVE ACTUATOR OF A FUEL INJECTOR

Title (de)
VENTILAKTUATOR EINES KRAFTSTOFFINJEKTORS

Title (fr)
ACTIONNEUR DE SOUPAPE D'UN INJECTEUR DE CARBURANT

Publication
EP 2944797 A1 20151118 (EN)

Application
EP 15160790 A 20150325

Priority
GB 201408005 A 20140507

Abstract (en)
A control valve (14, 26) arrangement of a fuel injector (10), the control valve (14, 26) comprises a cylindrical solenoid (14), extending along a main axis (A1) and being provided with an axial cylindrical bore, a biasing means (24) arranged in the bore and, a magnetic armature (28) facing the lower face of the solenoid, the armature (28) being moveable between a first position close to the solenoid (14), when the solenoid (14) is energized and, a second position distant from the solenoid (14), where it is biased by the biasing means (24) when the solenoid (14) is not energized. The biasing means (24) comprises pressurized gas (G) contained in a deformable envelope.

IPC 8 full level
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CPC (source: EP)
F02M 47/027 (2013.01); **F02M 63/0017** (2013.01); **F02M 2200/26** (2013.01); **F02M 2200/50** (2013.01)

Citation (search report)

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- [A] WO 2007116007 A1 20071018 - SIEMENS AG [DE], et al
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EP3415659A4

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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