

Title (en)

Fuel injector with a piezo actuator arranged on the low pressure side

Title (de)

Kraftstoffinjektor mit einem niederdruckseitig angeordneten Piezosteller

Title (fr)

Injecteur de carburant doté d'un actionnement piézo-électrique installé du côté basse pression

Publication

EP 1865189 B1 20121003 (DE)

Application

EP 07106975 A 20070426

Priority

DE 102006026381 A 20060607

Abstract (en)

[origin: EP1865189A2] Fuel injector (10) comprises an actuator (70) arranged in the low pressure region (80) of the injector to directly operate a valve piston (94). Preferred Features: The valve piston has a first valve seat (104) and a second valve seat (106). The diameter of the second valve seat corresponds to the diameter of the piston guide (108). The actuator is connected either to the valve piston and a housing part (84) or by an actuator spring between them.

IPC 8 full level

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

CPC (source: EP)

F02M 47/027 (2013.01); **F02M 57/025** (2013.01); **F02M 63/0026** (2013.01); **F02M 63/0031** (2013.01); **F02M 63/0045** (2013.01); **F02M 2200/701** (2013.01); **F02M 2547/001** (2013.01)

Citation (examination)

- DE 19946841 A1 20010503 - BOSCH GMBH ROBERT [DE]
- EP 2333296 A1 20110615 - DELPHI TECH HOLDING SARL [LU]

Cited by

EP1900932A3; EP2166218A3; EP2333296A1; EP1900932A2; WO2016120040A1

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