

Title (en)

Fuel injector with servo assistance

Title (de)

Kraftstoffinjektor mit Servounterstützung

Title (fr)

Injecteur de carburant doté d'une assistance adaptative à la direction

Publication

**EP 1865192 A3 20090429 (DE)**

Application

**EP 07106974 A 20070426**

Priority

DE 102006026400 A 20060607

Abstract (en)

[origin: EP1865192A2] The fuel injector (1), injecting fuel into the cylinders of an internal combustion motor, is operated by an actuator (5). The injection valve (23) is controlled by a piston (19) with a sleeve section (21) to take the valve. It defines a control zone (29) together with the end surface (25) of the valve. The piston is a valve piston of a servo valve (33).

IPC 8 full level

**F02M 51/06** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

**F02M 47/027** (2013.01); **F02M 51/0603** (2013.01); **F02M 63/0026** (2013.01); **F02M 2200/703** (2013.01); **F02M 2200/704** (2013.01)

Citation (search report)

- [A] WO 2005075811 A1 20050818 - BOSCH GMBH ROBERT [DE], et al
- [A] DE 19939452 A1 20010301 - BOSCH GMBH ROBERT [DE]
- [DA] DE 102004015744 A1 20051013 - BOSCH GMBH ROBERT [DE]

Cited by

EP2957760A1; EP2249024A1; EP2674608A1; GB2592019A; GB2592019B; WO2013045688A1; WO2008061842A1; WO2012104000A1; WO2013186051A1; US9863385B2; US10941744B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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