

Title (en)

Injector for a fuel injection system

Title (de)

Injektor für eine Kraftstoffeinspritzanlage

Title (fr)

Injecteur pour une installation à injection de carburant

Publication

EP 1908952 A3 20090513 (DE)

Application

EP 07114227 A 20070813

Priority

DE 102006047133 A 20061005

Abstract (en)

[origin: EP1908952A2] A pressure booster (6), arranged into the needle section (3) of a fuel injector (1), increases the fuel injection pressure opposite the system pressure. The booster includes a piston (22) reciprocated within the needle section and a communicating nozzle area (23) in communication with the spray holes (5) of the needle section. A nozzle needle (25) disposed in the piston includes a throttled coupling path (19b) connecting the nozzle area and the translation area (24) of the booster.

IPC 8 full level

F02M 47/02 (2006.01); **F02M 57/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

F02M 47/027 (2013.01); **F02M 57/025** (2013.01); **F02M 57/026** (2013.01); **F02M 61/042** (2013.01); **F02M 63/0026** (2013.01); **F02M 63/0045** (2013.01); **F02M 63/0078** (2013.01); **F02M 2200/703** (2013.01)

Citation (search report)

- [X] EP 1416152 A1 20040506 - BOSCH GMBH ROBERT [DE]
- [X] DE 102004015744 A1 20051013 - BOSCH GMBH ROBERT [DE]

Cited by

EP2339164A1; KR20120014119A; JP2012522924A; US9194349B2; WO2010097284A1; WO2014063819A1; WO2013088428A3; WO2014000968A1; WO2010112670A1

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)

EP 1908952 A2 20080409; **EP 1908952 A3 20090513**; **EP 1908952 B1 20120606**; DE 102006047133 A1 20080410

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