

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; WO2010112670A1; WO2010097284A1; WO2014063819A1; WO2014000968A1; WO2013088428A3

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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

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