

Title (en)
Fuel injection device

Title (de)
Kraftstoffeinspritzanlage

Title (fr)
Dispositif d'injection de carburant

Publication
EP 1908953 A3 20090617 (DE)

Application
EP 07114426 A 20070816

Priority
DE 102006047134 A 20061005

Abstract (en)
[origin: EP1908953A2] A pressure booster (19) for increasing the fuel injection pressure opposite the system pressure includes a booster main body (4), a hollow piston (20), and a plunger (21) coaxially disposed in the piston. A pressure boosting area (22) is defined between the piston and the plunger. The system pressure acts in the pressure boosting area and on the side opposite the hollow piston. The booster is included into a fuel injector (1).

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 63/0026** (2013.01); **F02M 63/0045** (2013.01); **F02M 2200/703** (2013.01)

Citation (search report)
• [A] WO 2004040117 A1 20040513 - BOSCH GMBH ROBERT [DE], et al
• [A] DE 10218635 A1 20021128 - BOSCH GMBH ROBERT [DE]

Cited by
KR20120014119A; JP2012522924A; US9194349B2; WO2010112670A1; WO2014193356A1

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 1908953 A2 20080409; **EP 1908953 A3 20090617**; **EP 1908953 B1 20110119**; AT E496215 T1 20110215; DE 102006047134 A1 20080410; DE 502007006293 D1 20110303

DOCDB simple family (application)
EP 07114426 A 20070816; AT 07114426 T 20070816; DE 102006047134 A 20061005; DE 502007006293 T 20070816