

Title (en)

Pressure amplifier for fuel injector with centered multiple housing parts

Title (de)

Druckübersetzer für Kraftstoffinjektoren mit zentriertem mehrteiligem Druckübersetzerkörper

Title (fr)

Amplificateur de pression pour injecteur de carburant comprenant un boîtier en plusieurs parties

Publication

EP 1522720 A3 20080430 (DE)

Application

EP 04103877 A 20040812

Priority

DE 10346575 A 20031007

Abstract (en)

[origin: EP1522720A2] Booster (1) for a fuel injector comprises a differential pressure chamber (4) and a compression chamber (5) for loading a high pressure inlet (7), and a piston (3) that is actuated by pressure changes in the differential pressure chamber connected via a connecting line (27) to a control line (8). The piston centers housing parts (18, 19) of the booster housing. Preferred Features: The housing parts are loaded by an axial force (24).

IPC 8 full level

F02M 57/02 (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)

F02M 57/025 (2013.01); **F02M 57/026** (2013.01); **F02M 61/167** (2013.01); **F02M 61/168** (2013.01)

Citation (search report)

- [X] US 6161770 A 20001219 - STURMAN ODED E [US]
- [E] EP 1536131 A1 20050601 - BOSCH GMBH ROBERT [DE]
- [A] US 5865156 A 19990202 - FEUCHT DENNIS D [US], et al
- [A] WO 0063549 A2 20001026 - INT TRUCK & ENGINE CORP [US]

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

EP 1522720 A2 20050413; **EP 1522720 A3 20080430**; DE 10346575 A1 20050504

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