

Title (en)

Fuel injection apparatus with a sealing arrangement

Title (de)

Einspritzvorrichtung mit einer Dichtungsanordnung

Title (fr)

Dispositif d'injection avec un agencement d'étanchéité

Publication

**EP 1696119 A3 20070425 (DE)**

Application

**EP 06001385 A 20060124**

Priority

DE 102005004069 A 20050128

Abstract (en)

[origin: EP1696119A2] The device has a housing with a plate (1), spring holders (2) and pump cylinders (8), which lie against each other on an interface (7), and a pump cavity and a fuel channel to guide a fuel with high pressure. A sealing arrangement has O-rings (5, 6) to effect a sealing of the interface in a radial direction at the cavity or channel. The interface has a metallic sealing surface with ring grooves (3, 4) to accommodate the O-rings.

IPC 8 full level

**F02M 55/00** (2006.01)

CPC (source: EP)

**F02M 57/02** (2013.01); **F02M 59/44** (2013.01); **F02M 2200/16** (2013.01)

Citation (search report)

- [XY] DE 19937677 A1 20010222 - SIEMENS AG [DE]
- [X] US 5669612 A 19970923 - NICHOLSON TERENCE PETER [GB]
- [Y] EP 1236886 A2 20020904 - DENSO CORP [JP]
- [A] EP 1288486 A2 20030305 - BOSCH GMBH ROBERT [DE]
- [A] US 5433454 A 19950718 - RAMBERG FRED G [US]
- [A] EP 1447559 A1 20040818 - BOSCH AUTOMOTIVE SYSTEMS CORP [JP]
- [A] JP 2003097389 A 20030403 - DENSO CORP

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1696119 A2 20060830; EP 1696119 A3 20070425; DE 102005004069 A1 20060803**

DOCDB simple family (application)

**EP 06001385 A 20060124; DE 102005004069 A 20050128**