

Title (en)

Fuel injection valve

Title (de)

Kraftstoffeinspritzventil

Title (fr)

Soupape d'injection de combustible

Publication

**EP 1541861 A3 20071024 (DE)**

Application

**EP 04106238 A 20041202**

Priority

DE 10357768 A 20031210

Abstract (en)

[origin: EP1541861A2] The fuel injection valve (1) has a transmission element (7) axially movable in a bore (4) installed between the valve actuator (2) and a leakage chamber (3). The transmission element has a first section (8) lying against the actuator and a second section (9) constructed as a protrusion facing the valve (5). A bellows (10) is fastened by a first end on the protrusion and by a second end fastened to the wall of the bore housing the transmission element, with encompassing sealing action in each case so that the bellows seals the actuator against the leakage chamber.

IPC 8 full level

**F02M 47/02** (2006.01); **F02M 59/46** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

**F02M 47/027** (2013.01); **F02M 63/0026** (2013.01); **F02M 63/0035** (2013.01); **F02M 2200/16** (2013.01); **F02M 2200/707** (2013.01)

Citation (search report)

- [X] DE 10026642 A1 20011213 - SIEMENS AG [DE]
- [X] US 6581900 B1 20030624 - STOECKLEIN WOLFGANG [DE]
- [DA] DE 19548526 A1 19970703 - DAIMLER BENZ AG [DE]

Cited by

WO2011045298A1

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**EP 1541861 A2 20050615; EP 1541861 A3 20071024**

DOCDB simple family (application)

**EP 04106238 A 20041202**