

Title (en)  
Device for injecting fuel

Title (de)  
Injektor zum Einspritzen von Kraftstoff

Title (fr)  
Injecteur destiné à la vaporisation de carburant

Publication  
**EP 1947322 A3 20090805 (DE)**

Application  
**EP 07122721 A 20071210**

Priority  
DE 102007002278 A 20070116

Abstract (en)  
[origin: EP1947322A2] The injector (1) has a hydraulic coupler (39) comprising a translator piston (37), which is guided into a guide in a coupler housing. The piston is limited by a front surface of a coupler area (53), which is limited at a side of a valve piston (33) that acts at a control valve (23). The valve piston is formed in an area with a diameter and in another area with another diameter, where one of the diameters is smaller than another diameter. The valve piston is enclosed in one of the areas by a ring unit, which is movable relative to the valve piston.

IPC 8 full level  
**F02M 47/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)  
**F02M 47/027** (2013.01); **F02M 63/0026** (2013.01); **F02M 63/0031** (2013.01); **F02M 2200/703** (2013.01)

Citation (search report)

- [A] DE 10322672 A1 20041209 - BOSCH GMBH ROBERT [DE]
- [A] DE 102004035280 A1 20060316 - BOSCH GMBH ROBERT [DE]
- [A] DE 102005007543 A1 20060824 - BOSCH GMBH ROBERT [DE]

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 1947322 A2 20080723**; **EP 1947322 A3 20090805**; **EP 1947322 B1 20110223**; AT E499522 T1 20110315; DE 102007002278 A1 20080717; DE 502007006537 D1 20110407

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**EP 07122721 A 20071210**; AT 07122721 T 20071210; DE 102007002278 A 20070116; DE 502007006537 T 20071210