

Title (en)

Extension part, injection valve and fuel delivery assembly

Title (de)

Verlängerungsteil, Einspritzventil und Brennstoffversorgungsanordnung

Title (fr)

Pièce d'extension, soupape d'injection et ensemble de distribution de carburant

Publication

EP 2700805 A1 20140226 (EN)

Application

EP 12181435 A 20120823

Priority

EP 12181435 A 20120823

Abstract (en)

An extension part (5) for an injection valve (1) for a combustion engine, the injection valve (1) comprising a base injector part (3), is specified. The extension part (5) comprises a first fluid inlet portion (7) with a first sealing section (9) and a fluid outlet portion (11). The first fluid inlet portion (7) of the extension part (5) is designed to be coupled to a fuel rail cup (13) in such a way that the first sealing section (9) of the first fluid inlet portion (7) is coupled in a given first coupling area (15) in a force-fitting manner with the fuel rail cup (13). The fluid outlet portion (11) of the extension part (5) being designed to be coupled to a second fluid inlet portion (17) of the base injector part (3) in a given second coupling area (21) in a force-fitting manner. Further, an injection valve (1) and a fuel delivery assembly are specified.

IPC 8 full level

F02M 51/00 (2006.01); **F02M 55/00** (2006.01); **F02M 61/14** (2006.01); **F02M 69/46** (2006.01)

CPC (source: EP)

F02M 51/005 (2013.01); **F02M 55/005** (2013.01); **F02M 61/14** (2013.01); **F02M 69/462** (2013.01)

Citation (search report)

- [X] US 2005211225 A1 20050929 - OGUMA YOSHITOMO [JP]
- [X] US 6318341 B1 20011120 - GMELIN KARL [DE], et al
- [X] EP 1780403 A2 20070502 - BOSCH GMBH ROBERT [DE]
- [X] DE 10115048 A1 20021002 - BOSCH GMBH ROBERT [DE]

Cited by

EP3301293A1; EP4102049A4

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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