

Title (en)

Fuel injector and fuel injection system

Title (de)

Kraftstoffeinspritzdüse und Kraftstoffeinspritzsystem

Title (fr)

Injecteur de carburant et système d'injection de carburant

Publication

EP 2251541 A1 20101117 (EN)

Application

EP 09006360 A 20090511

Priority

EP 09006360 A 20090511

Abstract (en)

Fuel injector (18) including a central longitudinal axis (L) and being operable to be arranged in a cylinder head (14) of a combustion engine (22). The fuel injector (18) has an injector body (26) and an adjustment device (30). The adjustment device (30) comprises a ring element (32) being designed to be arranged in a recess (15) of a cylinder head (14) between the injector body (26) and the cylinder head (14) to align the fuel injector (18) relative to the recess (15) in radial direction, and a distance element (34). The distance element (34) is designed to be arranged in the recess (15) between the ring element (32) and the cylinder head (14) to level the fuel injector (18) relative to the cylinder head (14) in axial direction. Fuel-injection system with a cylinder head (14) and a fuel injector (18).

IPC 8 full level

F02M 61/14 (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)

F02M 61/14 (2013.01); **F02M 61/168** (2013.01); **F02M 61/166** (2013.01); **F02M 2200/8092** (2013.01); **F02M 2200/9015** (2013.01)

Citation (search report)

- [Y] EP 1854993 A1 20071114 - DELPHI TECH INC [US]
- [Y] DE 102005011574 A1 20060921 - BOSCH GMBH ROBERT [DE]
- [A] EP 1134406 A2 20010919 - VOLKSWAGEN AG [DE]
- [A] WO 03018997 A1 20030306 - BOSCH GMBH ROBERT [DE], et al
- [A] DE 102007035714 A1 20090205 - BOSCH GMBH ROBERT [DE]
- [A] DE 10108193 A1 20020829 - BOSCH GMBH ROBERT [DE]
- [A] DE 102007049357 A1 20090416 - BOSCH GMBH ROBERT [DE]

Cited by

EP2690278A1; CN103573511A; US9605636B2; US10619612B2

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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