

Title (en)

Adjusting fuel filter assembly and injection valve

Title (de)

Verstellbare Brennstofffilteranordnung und Einspritzventil

Title (fr)

Ensemble de filtre de carburant ajustable et soupape d'injection

Publication

EP 2426351 A1 20120307 (EN)

Application

EP 10175059 A 20100902

Priority

EP 10175059 A 20100902

Abstract (en)

An adjusting fuel filter assembly for an injection valve comprises an external bush (42c) including a central longitudinal axis (L') and a circumferential step (42e) being arranged orthogonal to said axis (L'), said circumferential step (42e) segmenting the external bush (42c) into an upper section (42c') and into a lower section (42c''), whereby an outer diameter of the upper section (42c') is greater than an outer diameter of the lower section (42c''), and an internal filter material (42d), arranged within at least a part of said lower section (42c'') and being of sintered material. The injection valve comprises a central longitudinal axis (L), a fuel inlet tube (15) with an inner surface, an actuator unit (6), and a valve assembly (4) including a valve needle (13). The injection valve further comprises said adjusting fuel filter assembly (42), whereby at least a part of the upper section (42c') of the external bush (42c) is either directly or indirectly engaged with said inner surface of the fuel inlet tube (15).

IPC 8 full level

F02M 61/16 (2006.01); **F02M 61/20** (2006.01)

CPC (source: EP)

F02M 61/165 (2013.01); **F02M 61/168** (2013.01); **F02M 61/205** (2013.01); **F02M 2200/505** (2013.01)

Citation (search report)

- [X] WO 0157385 A2 20010809 - SIEMENS AUTOMOTIVE CORP LP [US]
- [X] DE 102007049963 A1 20090423 - BOSCH GMBH ROBERT [DE]
- [X] EP 1296057 A1 20030326 - FILTERTEK INC [US]
- [A] EP 1806497 A1 20070711 - SIEMENS AG [DE]

Cited by

GB2565483A; GB2565483B; DE102020215217A1; US10060401B2; DE102013225817A1; DE102020214154A1; WO2017184858A1; DE102013225820A1; DE102015226515A1; DE102013225829A1; DE102016226135A1; DE102016226142A1; DE102020215621A1; DE102013225812A1; EP2891788A1; DE102020215218A1; DE102020215794A1; DE102015226533A1; DE102020215215A1; DE102015226528A1; DE102022210875A1; EP2884091A1; DE102013225834A1; DE102013225840A1; US10753332B2; EP3034856A1; DE102014226003A1; DE102014225999A1; EP3034857A1; DE102014225994A1; DE102015226541A1

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2426351 A1 20120307; EP 2426351 B1 20141112

DOCDB simple family (application)

EP 10175059 A 20100902