

Title (en)

NOZZLE ASSEMBLY FOR A FUEL INJECTOR, AND FUEL INJECTOR

Title (de)

DÜSENBAUGRUPPE FÜR EINEN KRAFTSTOFFINJEKTOR SOWIE KRAFTSTOFFINJEKTOR

Title (fr)

ENSEMBLE BUSE POUR UN INJECTEUR DE CARBURANT ET INJECTEUR DE CARBURANT

Publication

**EP 2715103 A1 20140409 (DE)**

Application

**EP 12723468 A 20120523**

Priority

- DE 102011076665 A 20110530
- EP 2012059601 W 20120523

Abstract (en)

[origin: WO2012163759A1] The invention relates to a nozzle assembly for a fuel injector having a nozzle needle (1) which is guided with a reciprocating movement over at least one guide section (5, 6) in a high-pressure bore (2) of a nozzle body (3) for opening and closing at least one injection opening (4) and is loaded at least indirectly by the spring force of a closing spring (8), and having a restrictor-bore body (7) which is loaded by spring force in the axial direction. According to the invention, the restrictor-bore body (7) bears against the nozzle needle (1) and is loaded in the axial direction by the spring force of the closing spring (8). Furthermore, the invention relates to a fuel injector having a nozzle assembly of this type.

IPC 8 full level

**F02M 51/06** (2006.01); **F02M 61/12** (2006.01); **F02M 61/20** (2006.01)

CPC (source: EP)

**F02M 51/0603** (2013.01); **F02M 61/12** (2013.01); **F02M 61/205** (2013.01); **F02M 2200/28** (2013.01)

Citation (search report)

See references of WO 2012163759A1

Cited by

WO2020260666A1

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

DOCDB simple family (publication)

**DE 102011076665 A1 20121206**; CN 103582751 A 20140212; EP 2715103 A1 20140409; EP 2715103 B1 20160810; WO 2012163759 A1 20121206

DOCDB simple family (application)

**DE 102011076665 A 20110530**; CN 201280025775 A 20120523; EP 12723468 A 20120523; EP 2012059601 W 20120523