

Title (en)

High pressure line for fuel injection system

Title (de)

Hochdruckleitung für eine Kraftstoffeinspritzanlage

Title (fr)

Ligne de haute pression pour système d'injection du carburant

Publication

**EP 2230397 A1 20100922 (DE)**

Application

**EP 10007052 A 20030821**

Priority

- EP 03811301 A 20030821
- DE 10307871 A 20030225

Abstract (en)

A high-pressure pipe has first (3.1) and second (3.2) sections that interconnect in parallel. A choke fits in the second section and connects in series to a non-return valve in the second section. The non-return valve allows fuel to flow out from the second section. The first section has an open end and the second section has a closed end (9). An independent claim is also included for a fuel injection system for an internal combustion engine with a common rail and an injector.

Abstract (de)

Es wird eine Hochdruckleitung 3 zwischen einem Injektor 1 und einem Common-Rail 114 vorgeschlagen, welche die beim Betätigen des Injektors 1 entstehenden Druckwellen ganz oder teilweise abbaut.

IPC 8 full level

**F02M 55/02** (2006.01); **F02M 55/04** (2006.01); **F02M 63/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

**F02M 55/02** (2013.01); **F02M 55/025** (2013.01); **F02M 55/04** (2013.01); **F02M 63/0225** (2013.01); **F02M 2200/31** (2013.01); **F02M 2200/315** (2013.01)

Citation (applicant)

DE 10060811 A1 20020613 - BOSCH GMBH ROBERT [DE]

Citation (search report)

- [XII] FR 2786225 A1 20000526 - INST FRANCAIS DU PETROLE [FR]
- [I] WO 0142643 A1 20010614 - BOSCH GMBH ROBERT [DE]

Cited by

EP3032086A1; US9272437B2; US9844890B2; US9884406B2; US10589400B2; US10596717B2; US11292147B2

Designated contracting state (EPC)

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DOCDB simple family (application)

**DE 10307871 A 20030225**; CN 03826031 A 20030821; DE 0302795 W 20030821; EP 03811301 A 20030821; EP 10007052 A 20030821; JP 2004568632 A 20030821