

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)

DE FR GB IT

DOCDB simple family (publication)

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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