

Title (en)

Method for producing a fuel distributor with integrated injection valves

Title (de)

Verfahren zur Herstellung eines Kraftstoffzuteilers mit integrierten Einspritzventilen

Title (fr)

Méthode de fabrication d'un distributeur de carburant avec injecteurs intégrés

Publication

EP 1279825 A3 20030409 (DE)

Application

EP 02012140 A 20020601

Priority

DE 10136050 A 20010725

Abstract (en)

[origin: EP1279825A2] The distributor (1) has a chamber (12) connected to a fuel source. A pre-assembled valve module (3,9,22) of an injection valve (2.1) with central plug connection is integrated into the distributor during manufacture. At the same time, electrical contact (17,27) between the valves is created. The joint between distributor and module is made by a thermal process, e.g. Laser welding in the neck area between valve and distributor.

IPC 1-7

F02M 51/00; **F02M 55/00**

IPC 8 full level

F02M 55/02 (2006.01); **F02M 51/00** (2006.01); **F02M 51/02** (2006.01); **F02M 51/06** (2006.01); **F02M 55/00** (2006.01); **F02M 69/46** (2006.01)

CPC (source: EP US)

F02M 51/005 (2013.01 - EP US); **F02M 55/004** (2013.01 - EP US); **F02M 69/465** (2013.01 - EP US); **F02M 2200/803** (2013.01 - EP US); **F02M 2200/856** (2013.01 - EP US); **Y10T 29/49171** (2015.01 - EP US); **Y10T 29/49314** (2015.01 - EP US); **Y10T 29/49398** (2015.01 - EP US); **Y10T 29/49925** (2015.01 - EP US); **Y10T 29/4998** (2015.01 - EP US)

Citation (search report)

- [A] DE 19757347 A1 19980625 - TOYOTA MOTOR CO LTD [JP]
- [A] DE 19546441 A1 19970619 - BOSCH GMBH ROBERT [DE]
- [A] DE 4325980 A1 19950209 - BOSCH GMBH ROBERT [DE]
- [A] WO 9940315 A1 19990812 - SIEMENS AUTOMOTIVE CORP LP [US]

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Designated contracting state (EPC)

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EP 1279825 A2 20030129; **EP 1279825 A3 20030409**; **EP 1279825 B1 20050406**; DE 10136050 A1 20030213; DE 50202694 D1 20050512; JP 2003129917 A 20030508; US 2003019477 A1 20030130; US 6860008 B2 20050301

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