

Title (en)

Fuel injection system and method of manufacture

Title (de)

Kraftstoffeinspritzsystem und ein Verfahren zum Herstellen dieses Einspritzsystems

Title (fr)

Système d'injection de carburant et procédé de fabrication

Publication

EP 1854992 B1 20100811 (DE)

Application

EP 06009556 A 20060509

Priority

EP 06009556 A 20060509

Abstract (en)

[origin: EP1854992A1] The system has a housing (2) including an inner space with fuel and housing outlets (4, 6). A piezo actuator (8) is arranged in the inner space of the housing. The actuator includes a head plate (9) with head plate outlets (12, 13), and a piezo stack (11) is arranged between the head plate and a base plate. Contact devices (5, 7) are guided by the housing and head plate outlets, respectively. Sealing devices (17a, 17b) surround the contact devices in the area of the housing outlets and provide a sealing between the housing inner space and outer space with a certain outer space pressure. An independent claim is also included for a method for manufacturing an injection system for injecting fuel with a preset fuel pressure.

IPC 8 full level

F02M 51/00 (2006.01); **F02M 51/06** (2006.01); **F02M 63/00** (2006.01); **H10N 30/88** (2023.01)

CPC (source: EP US)

F02M 51/005 (2013.01 - EP US); **F02M 51/0603** (2013.01 - EP US); **F02M 63/0057** (2013.01 - EP US); **Y10T 29/42** (2015.01 - EP US)

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

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