

Title (en)

Injection valve and method for its manufacturing

Title (de)

Einspritzventil und Verfahren zu seiner Herstellung

Title (fr)

Soupape d'injection et son procédé de fabrication

Publication

EP 2177747 A1 20100421 (EN)

Application

EP 08018063 A 20081015

Priority

EP 08018063 A 20081015

Abstract (en)

Injection valve (16), comprising an actuator module (4) with a cavity (20) and an actuator unit (14). The injection valve (16) further comprises a fluid module (2), being disposed at least partially within the cavity (20) of the actuator module (4) and comprising a housing and a valve needle (8). The valve needle (8) is disposed in the housing and is actuatable by the actuator unit (14). The valve needle (8) is operable to prevent a fluid injection in a closing position and permit the fluid injection in further. The actuator module (4) is adhered to the fluid module (2) via a metal adhesive (16), which is arranged between a surface of the housing of the fluid module (2) and a surface of a wall of the cavity (20) of the actuator module (4).

IPC 8 full level

F02M 61/16 (2006.01)

CPC (source: EP US)

F02M 61/168 (2013.01 - EP US); **Y10T 29/49298** (2015.01 - EP US)

Citation (search report)

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- [A] DE 19712591 A1 19981001 - BOSCH GMBH ROBERT [DE]
- [A] WO 03016707 A1 20030227 - SIEMENS AG [DE]
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Designated contracting state (EPC)

DE FR IT

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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