

Title (en)

Stroke adjustment between an actuator and a transmission element for a valve in a fuel injector

Title (de)

Leerhubeinstellung zwischen einem Aktor und einem Übertragungselement eines Ventils in einem Kraftstoffinjektor

Title (fr)

Réglage de la course entre un actionneur et un élément de transmission pour une soupape dans un injecteur de combustible

Publication

**EP 1103718 A3 20030402 (DE)**

Application

**EP 00125706 A 20001123**

Priority

DE 19956256 A 19991123

Abstract (en)

[origin: EP1103718A2] The method involves positioning a positioning drive (19) in a casing of a fuel injector (1) with a valve, whereby the positioning drive comprises an actuator (21) with an actuator casing (17) and a transmission element (35) arranged in the casing between the actuator and the valve, transferring a longitudinal movement of the actuator onto the valve. A plastic deformable spacer element (31) is inserted in the casing, which is compressed permanently according to the desired neutral lift of the valve. The actuator casing is fastened to the casing of the fuel injector, next to the spacer element.

IPC 1-7

**F02M 61/16**

IPC 8 full level

**F02M 47/02** (2006.01); **F02M 59/46** (2006.01); **F02M 61/16** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

**F02M 47/027** (2013.01); **F02M 61/168** (2013.01); **F02M 63/0026** (2013.01); **F02M 2200/701** (2013.01)

Citation (search report)

- [XA] WO 9641947 A1 19961227 - SIEMENS AUTOMOTIVE CORP LP [US]
- [XA] DE 3531153 A1 19861218 - PIERBURG GMBH & CO KG [DE]
- [A] WO 9530830 A1 19951116 - BOSCH GMBH ROBERT [DE], et al

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EP1508690A1; FR2827014A1; US9371807B2; WO2012028464A1; WO2018046204A1

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