

Title (en)

Method to adjust the load of an elastic means in an electromagnetically operated injector.

Title (de)

Verfahren zum Einstellen der Spannung eines elastischen Teils in einem elektromagnetischen Einspritzventil.

Title (fr)

Procédé pour ajuster la tension d'un élément élastique dans un injecteur électromagnétique.

Publication

EP 0388494 A1 19900926 (EN)

Application

EP 89105171 A 19890322

Priority

EP 89105171 A 19890322

Abstract (en)

The calibration of the dynamic flow of a fuel injector is performed by adjusting a spring force by vertically positioning a spring adjusting bush 12. To prevent the spring 11 and the adjusting bush 12 from coming out of the injector before calibration an abutment shoulder 12 for the adjusting bush is created, so as to guarantee a minimum preload on the spring 11 on all phases following the assembly of the injector.

IPC 1-7

F02M 51/06

IPC 8 full level

F02M 51/06 (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)

F02M 51/0667 (2013.01); **F02M 61/168** (2013.01)

Citation (search report)

- EP 0184124 A1 19860611 - VDO SCHINDLING [DE]
- EP 0301381 A1 19890201 - NIPPON DENSO CO [JP]
- FR 2127146 A5 19721013 - BREV ETUDES SIBE
- FR 2276472 A1 19760123 - LUCAS ELECTRICAL CO LTD [GB]

Cited by

EP1083332A3; EP0879952A3; EP0905371A3; CN1077956C; EP0480610A1; US5307991A; WO9419600A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0388494 A1 19900926

DOCDB simple family (application)

EP 89105171 A 19890322