

Title (en)

METHOD AND DEVICE FOR THE AUTOMATIC REGULATION OF INJECTORS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUTOMATISCHEN EINSTELLEN VON INJEKTOREN

Title (fr)

PROCEDE ET DISPOSITIF DE REGLAGE AUTOMATIQUE D'INJECTEURS

Publication

EP 1436502 B1 20070103 (DE)

Application

EP 02776763 A 20021001

Priority

- DE 0203729 W 20021001
- DE 10150786 A 20011015

Abstract (en)

[origin: US2003070471A1] An adjusting apparatus and method for automatic setting of injectors are disclosed. The setting is carried out via accurate adjustment of the distance between an actuator and a lever element. In the process, an injector to be set is provided in the correct position in a measurement and setting station and is coupled to a pressure generating device. The setting element of the injector is then rotated in such a way that the injector switches through at a specific setting of the setting element. At the same time, the current values for the torque applied to the setting element, for the angular position of the setting element, for the exciter voltage applied to the actuator and for the pressure drop caused by the switching-through action are registered and compared with predefined parameters. If all the measured values agree with the predefined parameters, then the injector has been set correctly.

IPC 8 full level

F02M 65/00 (2006.01); **F02M 61/16** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)

F02M 61/168 (2013.01 - EP US); **F02M 65/00** (2013.01 - EP US); **F02M 2200/21** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

US 2003070471 A1 20030417; **US 6668615 B2 20031230**; DE 10150786 A1 20030430; DE 10150786 C2 20030807; DE 50209189 D1 20070215; EP 1436502 A1 20040714; EP 1436502 B1 20070103; US 2004089052 A1 20040513; US 6823712 B2 20041130; WO 03036076 A1 20030501

DOCDB simple family (application)

US 19055702 A 20020709; DE 0203729 W 20021001; DE 10150786 A 20011015; DE 50209189 T 20021001; EP 02776763 A 20021001; US 69854803 A 20031103