

Title (en)

METHOD, COMPUTER PROGRAM AND DEVICE FOR MEASURING THE INJECTION QUANTITY OF INJECTION NOZZLES, ESPECIALLY FOR MOTOR VEHICLES

Title (de)

VERFAHREN, COMPUTERPROGRAMM UND VORRICHTUNG ZUM MESSEN DER EINSPRITZMENGE VON EINSPRITZDÜSEN, INSBESONDERE FÜR KRAFTFAHRZEUGE

Title (fr)

PROCEDE, PROGRAMME D'ORDINATEUR ET DISPOSITIF POUR MESURER LA QUANTITE INJECTEE PAR DES INJECTEURS, EN PARTICULIER POUR VEHICULES AUTOMOBILES

Publication

EP 1362182 B1 20040721 (DE)

Application

EP 02716586 A 20020201

Priority

- DE 0200376 W 20020201
- DE 10107032 A 20010215

Abstract (en)

[origin: WO02064970A1] The invention relates to a method for measuring the injection quantity of injection systems (32, 33), especially for motor vehicles and particularly for in-process inspection, wherein a test fluid is injected into a measuring chamber (45) by an injection system (32, 33). The movement of a piston (40) limiting at least certain areas of the measuring chamber (45) is detected by a sensing device (68) that supplies a corresponding measuring signal. In order to achieve enhanced accuracy in calculating the injected test liquid quantity, the test fluid pressure (p) is detected in the measuring chamber (45) and the measuring signal is processed (80) taking into account the detected pressure (p).

IPC 1-7

F02M 65/00

IPC 8 full level

F02M 65/00 (2006.01)

CPC (source: EP US)

F02M 65/001 (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 02064970 A1 20020822; CN 1273728 C 20060906; CN 1457394 A 20031119; DE 10107032 A1 20020829; DE 50200663 D1 20040826; EP 1362182 A1 20031119; EP 1362182 B1 20040721; JP 2004518077 A 20040617; JP 4393066 B2 20100106; US 2003177817 A1 20030925; US 7000450 B2 20060221

DOCDB simple family (application)

DE 0200376 W 20020201; CN 02800309 A 20020201; DE 10107032 A 20010215; DE 50200663 T 20020201; EP 02716586 A 20020201; JP 2002564261 A 20020201; US 25724303 A 20030528