

Title (en)

METHOD FOR ELECTRONICALLY TRIMMING AN INJECTOR

Title (de)

VERFAHREN ZUM ELEKTRONISCHEN TRIMMEN EINER EINSPRITZVORRICHTUNG

Title (fr)

PROCEDE DE COMPENSATION ELECTRONIQUE D'UN DISPOSITIF D'INJECTION

Publication

EP 1117930 B1 20030305 (DE)

Application

EP 98955495 A 19981020

Priority

- DE 19845441 A 19981002
- EP 9806644 W 19981020

Abstract (en)

[origin: DE19845441A1] The invention relates to a method for electronically trimming at least one fluid injection pump. According to said method, a control module of an electronic control device detects a control signal which is corrected in accordance with the operation of the injection pump and preferably also a control signal which is corrected in accordance with the operation of the engine. Said control signal(s) is/are used to actuate the fluid injection pump. The inventive method also uses a fluid injection pump which operates according to the energy accumulation principle. The characteristic output of said fluid injection pump is identical or at least substantially approximative to a polynomial of at least the third degree. According to the inventive method, the parameters for a standard polynomial of at least the third degree are detected, stored and used to detect the required amount of fluid injection.

IPC 1-7

F02M 65/00; **F02D 41/24**

IPC 8 full level

F02D 41/40 (2006.01); **F02D 41/24** (2006.01); **F02M 65/00** (2006.01)

CPC (source: EP US)

F02D 41/2412 (2013.01 - EP US); **F02D 41/2432** (2013.01 - EP US); **F02D 41/2467** (2013.01 - EP US); **F02M 65/00** (2013.01 - EP US); **F02M 65/002** (2013.01 - EP US); **F02D 41/2477** (2013.01 - EP US)

Designated contracting state (EPC)

BE DE ES FR GB IT SE

DOCDB simple family (publication)

DE 19845441 A1 20000413; **DE 19845441 C2 20030116**; AU 1230299 A 20000426; CA 2325392 A1 20000413; DE 59807422 D1 20030410; EP 1117930 A1 20010725; EP 1117930 B1 20030305; HK 1039643 A1 20020503; JP 2002526717 A 20020820; US 6615128 B1 20030902; WO 0020755 A1 20000413

DOCDB simple family (application)

DE 19845441 A 19981002; AU 1230299 A 19981020; CA 2325392 A 19981020; DE 59807422 T 19981020; EP 9806644 W 19981020; EP 98955495 A 19981020; HK 02100538 A 20020123; JP 2000574834 A 19981020; US 80606101 A 20010323