

Title (en)

METHOD FOR CALCULATING FUEL INJECTOR GAIN

Title (de)

VERFAHREN ZUR BESTIMMUNG DER VERSTÄRKUNG EINES KRAFTSTOFFEINSPRITZVENTILS

Title (fr)

PROCEDE DE DETERMINATION DU GAIN D'UN INJECTEUR DE CARBURANT

Publication

EP 1597468 A1 20051123 (FR)

Application

EP 04711386 A 20040216

Priority

- FR 2004000349 W 20040216
- FR 0302468 A 20030228

Abstract (en)

[origin: WO2004079176A1] A method for real time determination of the gain of a fuel injector (2) of an engine (1), fed by a circuit having a fixed volume devoid of a permanent return upstream from a pump (8) connected to a common feed ramp (3) for the injectors (2) controlled like the pump (8) by at least one computer (5), wherein the local gain of at least one injector (2) is determined according to the variation of the mass of fuel injected into the engine (1) by the set of injectors (2) and resulting from the application on said injector (2) which is considered from a command for a duration of injection which is different from that applied on the injector or other injectors (2). The invention can be used to determine the flow characteristics of injectors of internal combustion engines.

IPC 1-7

F02D 41/24; **F02D 41/38**

IPC 8 full level

F02D 41/24 (2006.01); **F02D 41/38** (2006.01)

CPC (source: EP)

F02D 41/2438 (2013.01); **F02D 41/2467** (2013.01); **F02D 41/3809** (2013.01); **F02D 2200/0602** (2013.01); **F02D 2200/0614** (2013.01)

Citation (search report)

See references of WO 2004079176A1

Designated contracting state (EPC)

DE ES GB IT SE TR

DOCDB simple family (publication)

FR 2851788 A1 20040903; **FR 2851788 B1 20060721**; DE 602004029865 D1 20101216; EP 1597468 A1 20051123; EP 1597468 B1 20101103; WO 2004079176 A1 20040916

DOCDB simple family (application)

FR 0302468 A 20030228; DE 602004029865 T 20040216; EP 04711386 A 20040216; FR 2004000349 W 20040216