

Title (en)

An electronic control device for modulating fuel quantities in an internal combustion engine.

Title (de)

Elektronische Steuereinrichtung zur Kraftstoffmengenmodulation einer Brennkraftmaschine.

Title (fr)

Dispositif de commande électronique de modulation de quantités de carburant pour moteur à combustion interne.

Publication

EP 0333900 A1 19890927 (EN)

Application

EP 88104611 A 19880323

Priority

EP 88104611 A 19880323

Abstract (en)

A device for electronically controlling adjusting devices in an internal combustion engine in which the adjusting devices can be controlled, by comparing differentiated engine speed dependent signals with predeterminable threshold values, in such a way that shuddering oscillations of the internal combustion engine are counteracted. A time control is included which is initiated when the adjusting devices are actuated to perform fuel quantity modulation and which is arranged to switch off the fuel quantity modulation after an elapsed time period, whose value is dependent upon the prevailing operating conditions of the engine.

IPC 1-7

F02D 41/16; **F02D 41/38**

IPC 8 full level

F02D 41/04 (2006.01); **F02D 41/14** (2006.01); **F02D 41/22** (2006.01); **F02D 41/24** (2006.01)

CPC (source: EP)

F02D 41/1498 (2013.01); **F02D 41/28** (2013.01); **F02D 2200/1012** (2013.01); **F02D 2200/1015** (2013.01); **F02D 2250/28** (2013.01)

Citation (search report)

- [X] DE 3512603 C1 19860724 - DAIMLER BENZ AG
- [X] US 4368707 A 19830118 - LESHNER ERVIN, et al
- [X] EP 0216291 A2 19870401 - HITACHI LTD [JP]
- [AD] DE 2906782 A1 19800904 - BOSCH GMBH ROBERT

Cited by

EP1146215A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0333900 A1 19890927; JP H01277632 A 19891108

DOCDB simple family (application)

EP 88104611 A 19880323; JP 6401489 A 19890317