

Title (en)

Fuel supply system and method

Title (de)

Kraftstoffzufuhrsteuerungssystem und Verfahren zur Kraftstoffzufuhr

Title (fr)

Système et méthode d'alimentation de carburant

Publication

EP 1209342 A3 20040121 (DE)

Application

EP 01128004 A 20011124

Priority

US 72401700 A 20001128

Abstract (en)

[origin: EP1209342A2] The system (10) controls fuel delivery to cylinders (26-36) depending on control signals fed to a fuel delivery unit by a control unit that generates the signals. The control unit (40) has a cut-off mode in which it determines an ignition value per cylinder dependent on its ignition quality, compares it with a threshold value and cuts off fuel delivery only to the cylinder or cylinders for which the comparison indicates incomplete combustion). Independent claims are also included for the following: a method of controlling fuel delivery.

IPC 1-7

F02D 41/38; **F02D 41/12**; **F02D 41/22**; **F02D 41/14**; **G01M 15/00**

IPC 8 full level

F02D 17/02 (2006.01); **F02D 41/00** (2006.01); **F02D 41/36** (2006.01); **F02D 41/38** (2006.01)

CPC (source: EP US)

F02D 17/02 (2013.01 - EP US); **F02D 41/0087** (2013.01 - EP US); **F02D 41/3827** (2013.01 - EP US); **F02D 2200/0606** (2013.01 - EP US)

Citation (search report)

- [X] US 4962740 A 19901016 - FUJIMOTO TAKANORI [JP], et al
- [X] WO 9913310 A1 19990318 - RENAULT [FR], et al
- [X] US 5440921 A 19950815 - MATSUNO OSAMU [JP], et al
- [A] US 5906187 A 19990525 - HEUER KARSTEN [DE]

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1209342 A2 20020529; **EP 1209342 A3 20040121**; CA 2350409 A1 20020528; MX PA01012110 A 20020607; US 6520158 B1 20030218; ZA 200109737 B 20030527

DOCDB simple family (application)

EP 01128004 A 20011124; CA 2350409 A 20010613; MX PA01012110 A 20011126; US 72401700 A 20001128; ZA 200109737 A 20011127