

Title (en)

METHOD AND DEVICE FOR SUPPLYING INTERNAL COMBUSTION ENGINES WITH FUEL

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KRAFTSTOFFVERSORGUNG VON VERBRENNUNGSMOTOREN

Title (fr)

PROCEDE ET DISPOSITIF D'ALIMENTATION EN CARBURANT DE MOTEURS A COMBUSTION INTERNE

Publication

EP 1828580 B1 20130109 (DE)

Application

EP 05825518 A 20051124

Priority

- EP 2005012575 W 20051124
- DE 102004062613 A 20041224

Abstract (en)

[origin: WO2006072285A1] The invention relates to a method and a device for supplying internal combustion engines with fuel. Said system comprises a controlled high-pressure system and a controlled low-pressure system. An adaptation value for correcting the desired preliminary pressure is detected in an adaptation mode, thereby adjusting a variable preliminary pressure in the low-pressure system. For this purpose, the preliminary pressure is specifically modified in the adaptation mode until vapor bubbles are detected by a governor response of the high-pressure governor. When vapor bubbles are detected, actual process parameters of the fuel supply system are determined and the adaptation value is derived therefrom.

IPC 8 full level

F02D 41/14 (2006.01); **F02D 41/30** (2006.01); **F02D 41/38** (2006.01)

CPC (source: EP US)

F02D 41/2464 (2013.01 - EP US); **F02D 41/3082** (2013.01 - EP US); **F02D 41/3854** (2013.01 - EP US); **F02D 41/2441** (2013.01 - EP US); **F02D 41/2454** (2013.01 - EP US); **F02D 2200/0602** (2013.01 - EP US); **F02D 2200/0606** (2013.01 - EP US); **F02D 2250/02** (2013.01 - EP US); **F02D 2250/31** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102004062613 A1 20060706; **DE 102004062613 B4 20140220**; CN 101087938 A 20071212; CN 101087938 B 20100414; EP 1828580 A1 20070905; EP 1828580 B1 20130109; US 2008072880 A1 20080327; US 7438051 B2 20081021; WO 2006072285 A1 20060713

DOCDB simple family (application)

DE 102004062613 A 20041224; CN 200580044246 A 20051124; EP 05825518 A 20051124; EP 2005012575 W 20051124; US 76684107 A 20070622