

Title (en)

System for supplying an automotive internal combustion engine with fuel and method for regulating the fuel pressure of such an engine

Title (de)

System zur Versorgung die Brennkraftmaschine eines Kraftfahrzeuges mit Kraftstoff und Kraftstoffdruckregelverfahren für eine solche Brennkraftmaschine

Title (fr)

Système d'alimentation en carburant d'un moteur thermique automobile et procédé de régulation de la pression du carburant d'un tel moteur

Publication

EP 1637723 B1 20070822 (FR)

Application

EP 05300739 A 20050909

Priority

FR 0409948 A 20040921

Abstract (en)

[origin: EP1637723A1] The system has a fuel pump driven by an electric motor (34), an electronic circuit board (24) to regulate electric motor supply current, and an electric motor supply current measuring unit (40). The regulating unit regulates rotating speed of the motor by regulating the motor supply current about a desired value of supply current representative of a fuel pressure level downstream the pump. An independent claim is also included for a method to regulate fuel supply pressure of an internal combustion engine.

IPC 8 full level

F02D 41/30 (2006.01); **F02D 41/38** (2006.01); **F02M 37/08** (2006.01)

CPC (source: EP)

F02D 41/3082 (2013.01)

Cited by

US10221801B2; CN107532586A; KR20170136622A; CN107002575A; CN108087134A; US10232704B2; WO2014059242A1; US9528519B2; US10794319B2; WO2016173980A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1637723 A1 20060322; **EP 1637723 B1 20070822**; AT E371104 T1 20070915; DE 602005002102 D1 20071004; DE 602005002102 T2 20080521; FR 2875544 A1 20060324; FR 2875544 B1 20090515

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