

Title (en)

FUEL SUPPLY SYSTEM FOR AN INTERNAL COMBUSTION ENGINE AND RELATED CONTROL METHOD

Title (de)

KRAFTSTOFFVERSORGUNGSSYSTEM FÜR BRENNKRAFTMASCHINE UND STEUERUNGSMETHODE DAFÜR

Title (fr)

SYSTÈME D'ALIMENTATION EN CARBURANT POUR MOTEUR À COMBUSTION INTERNE ET PROCÉDÉ DE COMMANDE CORRESPONDANT

Publication

EP 2102476 B1 20180829 (FR)

Application

EP 07847762 A 20071204

Priority

- EP 2007063258 W 20071204
- FR 0655433 A 20061212

Abstract (en)

[origin: WO2008071597A1] The invention relates to a fuel supply system for an internal combustion engine comprising a pump system (5) provided an injection rail (4) and a fuel tank (6), with at least one actuator (9) the opening of which is controlled by a signal of the pulse modulation type, in order to carry out successive adjustments of the opening of said actuator using a control magnitude depending on a cycle ratio setpoint (RCO), and an electronic control unit (11). The electronic control unit further includes auxiliary means (42) for increasing the amplitude of the oscillations of said control magnitude about an average value if the value of said cycle ratio setpoint is comprised in a given critical zone.

IPC 8 full level

F02D 41/34 (2006.01); **F02D 41/20** (2006.01)

CPC (source: EP)

F02D 41/3845 (2013.01); **F02D 41/20** (2013.01); **F02D 2041/2027** (2013.01); **F02D 2200/0602** (2013.01); **F02D 2250/31** (2013.01)

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2909724 A1 20080613; **FR 2909724 B1 20090227**; EP 2102476 A1 20090923; EP 2102476 B1 20180829; WO 2008071597 A1 20080619

DOCDB simple family (application)

FR 0655433 A 20061212; EP 07847762 A 20071204; EP 2007063258 W 20071204