

Title (en)
Fuel injection control apparatus

Title (de)
Kraftstoffeinspritzsteuervorrichtung

Title (fr)
Appareil de contrôle d'injection de carburant

Publication
EP 2428668 B1 20240501 (EN)

Application
EP 11179456 A 20110831

Priority
JP 2010203272 A 20100910

Abstract (en)
[origin: EP2428668A2] Fuel injection control apparatus for a diesel engine having a plurality of cylinders, the fuel injection control apparatus comprising a calculation unit that calculates a fuel injection amount for each cylinder, and a storage unit (16) that has a storage area corresponding to each cylinder and stores in a corresponding storage area a calculation result generated by the calculation unit. When a low rotation speed switches to a high rotation speed, a calculation result Q# 2, which was used to inject fuel into a cylinder #2 prior to the switch, is used to inject fuel into a cylinder #3, which is subjected to fuel injection following the cylinder #2. A calculation result Q# 1 can be used by an ECU (8) to inject fuel into the cylinder #2 immediately after the aforesaid switch.

IPC 8 full level
G06F 9/48 (2006.01); **F02D 41/00** (2006.01); **F02D 41/10** (2006.01); **F02D 41/24** (2006.01); **F02D 41/26** (2006.01); **G01P 3/488** (2006.01); **F02B 75/18** (2006.01); **F02D 41/40** (2006.01); **F02P 7/067** (2006.01)

CPC (source: EP)
F02D 41/008 (2013.01); **F02D 41/009** (2013.01); **F02D 41/107** (2013.01); **F02D 41/2409** (2013.01); **F02B 2075/1832** (2013.01); **F02D 41/2432** (2013.01); **F02D 41/402** (2013.01); **F02D 2250/12** (2013.01); **F02P 7/067** (2013.01)

Citation (examination)
• DE 4319881 B4 20061026 - BOSCH GMBH ROBERT [DE]
• EP 0737807 B1 20020206 - TOYOTA MOTOR CO LTD [JP]
• EP 0671556 B1 19981104 - MAGNETI MARELLI SPA [IT]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2428668 A2 20120314; **EP 2428668 A3 20160817**; **EP 2428668 B1 20240501**; JP 2012057581 A 20120322; JP 5182995 B2 20130417

DOCDB simple family (application)
EP 11179456 A 20110831; JP 2010203272 A 20100910