

Title (en)

Method and device for controlling operation of an injection engine

Title (de)

Verfahren und Vorrichtung zur Steuerung des Betriebs eines Einspritzmotors

Title (fr)

Procédé et dispositif pour commander le fonctionnement d'un moteur à injection

Publication

EP 2381082 A1 20111026 (EN)

Application

EP 11163013 A 20110419

Priority

- TW 99112360 A 20100420
- TW 99112359 A 20100420

Abstract (en)

A device (2) for controlling operation of an injection engine (3) includes first and second sampling conduits (211, 212), a pressure sensor (221), an electromagnetic switch (231) disposed to block and unblock fluid communication between the pressure sensor (221) and each of the first and second sampling conduits (211, 212), and an electronic control unit (241) electrically coupled to the pressure sensor (221) and the electromagnetic switch (231) and disposed to receive a crankshaft rotation signal. The electronic control unit (241) is configured to control the electromagnetic switch (231) so that the pressure sensor (221) may determine a negative pressure value of a selected one of first and second cylinders (31, 32) of the injection engine (3), and is configured to perform control for ignition and fuel injection in each of the first and second cylinders (31, 32) with reference to the negative pressure value and the crankshaft rotation signal.

IPC 8 full level

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CPC (source: EP)

F02B 75/22 (2013.01); **F02B 77/085** (2013.01); **F02D 9/109** (2013.01); **F02D 35/023** (2013.01); **F02D 41/008** (2013.01); **F02D 41/32** (2013.01); **F02M 35/1038** (2013.01); **F02D 2200/0406** (2013.01); **F02D 2250/14** (2013.01); **F02D 2400/04** (2013.01)

Citation (search report)

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- [A] US 7481185 B1 20090127 - PARK SUNGBAE [US], et al
- [A] EP 1857654 A1 20071121 - TOYOTA MOTOR CO LTD [JP]
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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

Designated extension state (EPC)

BA ME

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