

Title (en)

FUEL INJECTION CONTROL APPARATUS OF INTERNAL COMBUSTION ENGINE

Title (de)

KRAFTSTOFFEINSPRITZSTEUERUNGSVORRICHTUNG FÜR VERBRENNUNGSMOTOR

Title (fr)

APPAREIL DE COMMANDE D'INJECTION DE CARBURANT POUR MOTEUR À COMBUSTION INTERNE

Publication

**EP 2975247 A1 20160120 (EN)**

Application

**EP 15177136 A 20150716**

Priority

JP 2014147123 A 20140717

Abstract (en)

A fuel injection control apparatus of an internal combustion engine, capable of controlling the amount of fuel, which is injected from a cylinder injection valve (second fuel injection valve), with high accuracy even when its amount is small, regardless of the operating state of the internal combustion engine, is provided. The fuel injection control device has a fuel pressure adjustment means which, when the injection form of the internal combustion engine is changed, adjusts the working state of a high pressure supply pump such that the amount of fuel injection from the second fuel injection valve stabilizes, before changing the working state of the high pressure supply pump in accordance with the injection form.

IPC 8 full level

**F02D 41/30** (2006.01); **F02D 41/38** (2006.01); **F02M 63/02** (2006.01); **F02M 69/04** (2006.01)

CPC (source: EP)

**F02D 41/3094** (2013.01); **F02D 41/3836** (2013.01); **F02M 63/0285** (2013.01); **F02M 69/046** (2013.01); **F02D 2041/389** (2013.01); **F02D 2200/0602** (2013.01); **F02D 2250/31** (2013.01)

Citation (applicant)

JP 2014062553 A 20140410 - MITSUBISHI MOTORS CORP

Citation (search report)

- [X1] US 2006207563 A1 20060921 - KINOSE KENICHI [JP]
- [X1] US 2006005812 A1 20060112 - MASHIKI ZENICHIRO [JP]
- [X1] WO 2006038428 A1 20060413 - TOYOTA MOTOR CO LTD [JP], et al

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

DOCDB simple family (publication)

**EP 2975247 A1 20160120**; **EP 2975247 B1 20190529**; JP 2016023568 A 20160208; JP 6525128 B2 20190605

DOCDB simple family (application)

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