

Title (en)

CONTROL DEVICE AND CONTROL METHOD OF FUEL PRESSURE OF ENGINE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR STEUERUNG DES KRAFTSTOFFDRUCKS EINES MOTORS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE COMMANDE DE PRESSION DE CARBURANT DE MOTEUR

Publication

EP 3061956 A2 20160831 (EN)

Application

EP 16156711 A 20160222

Priority

JP 2015034410 A 20150224

Abstract (en)

A control device of an engine, the control device includes an ECU (27) that is configured to: control a fuel discharge amount of a fuel pump (14) such that an actual fuel pressure (PR) of a fuel to be supplied to an injector (24) is equal to a target fuel pressure (PRRQ); perform a predictive control when the ECU predicts that an engine load would decrease, the predictive control is a control to decrease the fuel discharge amount to be smaller than a value corresponds to a current value of the target fuel pressure; and control the fuel discharge amount to maintain the actual fuel pressure at a lower limit guard value (PRGD) when the actual fuel pressure is equal to or lower than the lower limit guard value and is lower than the target fuel pressure, during the execution of the predictive control.

IPC 8 full level

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CPC (source: EP)

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