

Title (en)
INTERNAL COMBUSTION ENGINE FUEL INJECTION PRESSURE CONTROLLER

Title (de)
VORRICHTUNG ZUR STEUERUNG DES KRAFTSTOFFEINSPRITZDRUCKS IN EINEM VERBRENNUNGSMOTOR

Title (fr)
UNITÉ DE COMMANDE DE LA PRESSION D'INJECTION DE CARBURANT DANS UN MOTEUR THERMIQUE

Publication
EP 2275661 A1 20110119 (EN)

Application
EP 09746403 A 20090126

Priority
• JP 2009051168 W 20090126
• JP 2008128440 A 20080515

Abstract (en)
In a common-rail diesel engine, a fuel pressure setting map is prepared, which allocates a region of equal fuel injection pressure to an equal output region of the engine output determined from engine revolution and engine torque. Thus, it becomes possible to let changes of the heat generation rate approach an ideal state across the entire engine operation region. Moreover, a systematic procedure for controlling the fuel pressure can be implemented that is common to a number of engine types, so that it becomes possible to simplify the preparation of the fuel pressure setting map for setting the suitable fuel injection pressure in accordance with the operation state of the engine.

IPC 8 full level
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CPC (source: EP)
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Cited by
EP2955358A3; US9840998B2

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Designated extension state (EPC)
AL BA RS

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