

Title (en)

Fuel pressure control apparatus for fuel injection system of engine

Title (de)

Brennstoffdrucksteuervorrichtung für ein Kraftstoffeinspritzsystem einer Brennkraftmaschine

Title (fr)

Dispositif de contrôle de pression de carburant pour un système d'injection de moteur à combustion interne

Publication

EP 0886058 A2 19981223 (EN)

Application

EP 98401480 A 19980617

Priority

- JP 16298497 A 19970619
- JP 11962198 A 19980428

Abstract (en)

An apparatus for controlling fuel pressure in an engine. An accumulator, or a common rail (4), stores highly pressurized fuel sent from a pump (6). Injectors (2) inject fuel stored in the common rail (4) into combustion chambers of the engine. An ECU (50) controls a pressure control valve (10), which is provided in the pump (6), to adjust the fuel pressure in the common rail (4) according to the running state of the engine. When a key switch (52) is turned off to stop the engine, the ECU (50) adjusts the fuel pressure in the common rail (4) to a value that is suitable for subsequently restarting the engine. Therefore, starting of the engine is improved. <IMAGE>

IPC 1-7

F02D 41/38; F02D 41/06

IPC 8 full level

F02D 41/04 (2006.01); **F02D 41/06** (2006.01); **F02D 41/38** (2006.01)

CPC (source: EP)

F02D 41/042 (2013.01); **F02D 41/062** (2013.01); **F02D 41/3836** (2013.01); **F02D 41/3845** (2013.01); **F02D 41/3863** (2013.01); **F02D 2250/31** (2013.01)

Cited by

KR100790610B1; CN112377319A; FR2820464A1; EP1781927A4; CN109072794A; FR2860049A1; EP1154154A3; EP1396632A4; CN108138676A; GB2331597B; EP1031721A3; EP1193386A3; EP2336531A1; EP1057993A3; CN113047975A; FR2831212A1; GB2382668A; GB2382668B; WO03002866A1; US7966984B2; US6755183B2; CN101939523A; EP2320054A1; EP2574761A1; US2014121943A1; CN103790724A; US9347392B2; WO2009097921A1; WO0225089A1; WO2004063546A1; WO0218765A1; US6892705B2; US8812215B2; US9316162B2; WO2010037595A1; WO2007034302A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0886058 A2 19981223; **EP 0886058 A3 20010117**; **EP 0886058 B1 20041117**; DE 69827552 D1 20041223; DE 69827552 T2 20050504

DOCDB simple family (application)

EP 98401480 A 19980617; DE 69827552 T 19980617