

Title (en)

Fuel pump for a fuel system of an internal combustion engine and fuel system

Title (de)

Kraftstoff-Pumpeinrichtung für ein Kraftstoffsystem einer Brennkraftmaschine sowie Kraftstoffsystem

Title (fr)

Pompe à carburant pour un système d'alimentation de moteur à combustion interne et système d'alimentation

Publication

EP 1310672 B1 20061018 (DE)

Application

EP 02017337 A 20020802

Priority

DE 10154552 A 20011107

Abstract (en)

[origin: EP1310672A2] The fuel supply system (10) incorporates a first pump (16) driven by an electric motor (18) which draws fuel from the tank (14) and passes it through a filter (19) to a second pump assembly (20). This assembly has the electric motor (24) and the radial piston pump (26) accommodated in a common fluid-tight housing (22). <??>The pump has a control module (28) connected to a main control module (38). The main control module is connected to the motor for the first pump and a pressure sensor connected to the common rail (30). The common rail feeds several injectors (32) each installed in a cylinder head in the engine (12).

IPC 8 full level

F02M 37/08 (2006.01); **F04B 17/03** (2006.01); **F02M 37/22** (2006.01); **F04B 1/00** (2006.01); **F04B 1/04** (2006.01); **F04B 1/34** (2006.01); **F04B 9/04** (2006.01); **F04B 53/00** (2006.01); **F04B 53/06** (2006.01); **F04B 53/10** (2006.01); **F04B 53/12** (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP)

F04B 1/0404 (2013.01); **F04B 17/03** (2013.01); **F04B 53/16** (2013.01)

Cited by

CN109477446A; AT503697B1; EP2336541A1; WO2009043798A1; WO2011064022A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1310672 A2 20030514; **EP 1310672 A3 20050608**; **EP 1310672 B1 20061018**; DE 10154552 A1 20030515; DE 50208486 D1 20061130; JP 2003184683 A 20030703

DOCDB simple family (application)

EP 02017337 A 20020802; DE 10154552 A 20011107; DE 50208486 T 20020802; JP 2002321231 A 20021105