

Title (en)

Fuel system for an internal combustion engine and a vehicle

Title (de)

Kraftstoffsystem für eine Brennkraftmaschine sowie Kraftfahrzeug

Title (fr)

Système de carburant pour un moteur à combustion interne ainsi qu'un véhicule

Publication

**EP 1382835 A3 20050608 (DE)**

Application

**EP 03013606 A 20030616**

Priority

- DE 10255728 A 20021129
- DE 10232586 A 20020718

Abstract (en)

[origin: EP1382835A2] The fuel system (112) has a high pressure fuel pump(122) mechanically driven by the internal combustion engine (114) and an auxiliary high pressure fuel pump (124). The high pressure fuel pumps deliver fuel into a common fuel line (142). The mechanically driven high pressure fuel pump and the auxiliary high pressure fuel pump form a unit (120). AN Independent claim is also included for the following: (a) a motor vehicle with an internal combustion engine and a fuel system.

IPC 1-7

**F02M 37/18**; **F02M 59/02**; **F02M 59/08**; **F02M 59/42**; **F02M 59/44**

IPC 8 full level

**F02M 37/18** (2006.01); **F02M 55/04** (2006.01); **F02M 59/08** (2006.01); **F02M 59/36** (2006.01); **F02M 59/44** (2006.01); **F02M 59/46** (2006.01); **F02M 63/02** (2006.01); **F02M 37/06** (2006.01); **F02M 37/08** (2006.01); **F02M 59/02** (2006.01); **F02M 59/10** (2006.01); **F02M 59/42** (2006.01)

CPC (source: EP)

**F02M 37/18** (2013.01); **F02M 55/04** (2013.01); **F02M 59/08** (2013.01); **F02M 59/366** (2013.01); **F02M 59/447** (2013.01); **F02M 59/466** (2013.01); **F02M 63/0225** (2013.01); **F02M 37/06** (2013.01); **F02M 37/08** (2013.01); **F02M 59/022** (2013.01); **F02M 59/10** (2013.01); **F02M 59/42** (2013.01)

Citation (search report)

- [XY] DE 19753155 A1 19990602 - MANNESMANN REXROTH AG [DE]
- [X] US 5884597 A 19990323 - HIRAKU KENJI [JP], et al
- [PX] WO 02099264 A1 20021212 - BOSCH GMBH ROBERT [DE], et al
- [YDA] DE 19939051 A1 20010222 - VOLKSWAGEN AG [DE]
- [X] US 6234128 B1 20010522 - REUSS DAVID L [US]
- [X] DE 10144333 A1 20020328 - TOYOTA MOTOR CO LTD [JP]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

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