

Title (en)

Fuel pump, fuel system and method for operating a fuel system and an internal combustion engine

Title (de)

Kraftstoffpumpe, Kraftstoffsystem, Verfahren zum Betreiben eines Kraftstoffsystems sowie Brennkraftmaschine

Title (fr)

Pompe à carburant, système de distribution, procédé d'exploitation dudit système et moteur à combustion interne

Publication

EP 1306553 A3 20040804 (DE)

Application

EP 02017583 A 20020807

Priority

DE 10153189 A 20011027

Abstract (en)

[origin: EP1306553A2] One or more working chambers (48) has an individually-controlled valve (54). This allows it to be connected to the low pressure region (18) when required, so that for an interval there is no transfer from this chamber to the high pressure outlet (20). <??>Independent claims are included for the corresponding method of operation, an engine, a controller and a computer program product, especially in flash memory.

IPC 1-7

F04B 49/24

IPC 8 full level

F02M 59/06 (2006.01); **F02M 59/08** (2006.01); **F02M 59/36** (2006.01); **F02M 59/46** (2006.01); **F02M 63/02** (2006.01); **F04B 1/053** (2006.01); **F04B 49/24** (2006.01)

CPC (source: EP)

F02D 41/3845 (2013.01); **F02M 59/06** (2013.01); **F02M 59/08** (2013.01); **F02M 59/366** (2013.01); **F02M 63/0225** (2013.01); **F04B 1/0538** (2013.01); **F04B 49/243** (2013.01)

Citation (search report)

- [X] EP 0840009 A2 19980506 - BOSCH GMBH ROBERT [DE]
- [X] DE 4320620 A1 19950105 - BOSCH GMBH ROBERT [DE]
- [X] WO 0047888 A1 20000817 - HITACHI LTD [JP], et al

Cited by

WO2010130495A1; EP1674716A1; CN102422021A; EP2241744A1; EP1251272A3; ITUB20159428A1; EP2933485A1; CN105020113A; US7784447B2; US10012228B2; WO2009103572A1; WO2016037655A1; DE102009003066A1; EP3181902A1; EP2766594B1

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DOCDB simple family (application)

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