

Title (en)
Fuel system

Title (de)
Kraftstoffsystem

Title (fr)
Système d'alimentation en carburant

Publication
EP 1378660 A3 20040121 (EN)

Application
EP 03253899 A 20030620

Priority
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Abstract (en)
[origin: EP1378660A2] A fuel system for use in supplying high pressure fuel to an injector of an internal combustion engine comprises a first fuel pump (12) for supplying fuel at a first injectable pressure level to a first accumulator volume (16), a second fuel pump (14) for supplying fuel at a second injectable pressure to a second accumulator volume (18) and control valve means (25) for selecting which of the first or second accumulator volumes (16; 18) supplies fuel to the injection nozzle. <IMAGE>

IPC 1-7
F02M 63/02; **F02M 47/02**; **F02M 45/04**; **F02M 61/20**

IPC 8 full level
F02M 45/00 (2006.01); **F02M 45/04** (2006.01); **F02M 45/12** (2006.01); **F02M 47/02** (2006.01); **F02M 63/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)
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Citation (search report)
• [XY] WO 0114710 A1 20010301 - BOSCH GMBH ROBERT [DE], et al
• [X] US 6112721 A 20000905 - KOUKETSU SUSUMU [JP], et al
• [YX] WO 0169076 A1 20010920 - BOSCH GMBH ROBERT [DE], et al
• [X] GB 2307275 A 19970521 - CATERPILLAR INC [US]
• [X] US 5339786 A 19940823 - MARTIN TIBY M [US]
• [PAPX] EP 1245822 A2 20021002 - DELPHI TECH INC [US]
• [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 360 (M - 1634) 7 July 1994 (1994-07-07)

Cited by
EP1717434A1; US7263974B2; WO2015114204A1

Designated contracting state (EPC)
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