

Title (en)
Fuel supply arrangement

Title (de)
Kraftstoffversorgungsanlage

Title (fr)
Système d'alimentation en carburant

Publication
EP 1180595 B2 20110223 (DE)

Application
EP 01117817 A 20010721

Priority
DE 10039773 A 20000816

Abstract (en)
[origin: EP1180595A2] An electric low-pressure pump (6) delivers fuel from the fuel tank (2) to a camshaft-driven high-pressure pump (12). Excess fuel is normally returned to the tank via a shutoff valve (30) from the fuel line (10). If the heat of the engine via the high volume pump raises the temperature in the fuel supply line above a specific threshold, the excess fuel valve is closed. Fuel is then fed from the fuel reservoir (44) via a valve (50) back to the fuel tank.

IPC 8 full level
F02M 37/00 (2006.01); **F02M 37/06** (2006.01); **F02M 37/20** (2006.01); **F02M 55/02** (2006.01); **F02M 63/02** (2006.01); **F02M 69/46** (2006.01); **F04B 23/10** (2006.01); **F04B 49/24** (2006.01); **F02M 37/18** (2006.01)

CPC (source: EP US)
F02M 37/0052 (2013.01 - EP US); **F02M 37/20** (2013.01 - EP US); **F02M 63/0225** (2013.01 - EP US); **F04B 23/103** (2013.01 - EP US); **F04B 23/12** (2013.01 - EP US); **F04B 49/24** (2013.01 - EP US); **F02M 37/18** (2013.01 - EP US)

Citation (opposition)
Opponent :

- DE 19539883 A1 19961128 - BOSCH GMBH ROBERT [DE]
- DE 4100973 C1 19920716
- DE 19652831 A1 19980625 - REXROTH MANNESMANN GMBH [DE]
- DE 19941689 A1 20010315 - SIEMENS AG [DE]
- DE 19941850 A1 20010315 - SIEMENS AG [DE]
- DE 19933567 C1 20010201 - SIEMENS AG [DE]
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- DE 19909329 A1 20000907 - MANNESMANN REXROTH AG [DE]
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