

Title (en)

Fuel transfer pump for a fuel injection pump for an engine

Title (de)

Kraftstoff-Förderpumpe für eine Kraftstoff-Einspritzpumpe für Brennkraftmaschinen

Title (fr)

Pompe de transfert de carburant pour pompe d'injection de carburant pour moteur

Publication

**EP 0816669 A3 19980415 (DE)**

Application

**EP 97100912 A 19970122**

Priority

DE 19625736 A 19960627

Abstract (en)

[origin: EP0816669A2] The fuel is fed from the suction chamber (13) along a feed channel (17) between the face surface of the gearwheels (7,9) and the peripheral wall of the pump chamber (3) into a pressure chamber (15) connected with the fuel injection pump. At least a filter component (26) is integrated in the housing of the fuel feed pump. In a lower area of the suction chamber (13), in front of the filter component (26), viewed in the fuel feed direction, a collection chamber (31) is provided. In a housing wall an opening is provided, leading to the collection chamber.

IPC 1-7

**F02M 37/14**

IPC 8 full level

**F02M 37/04** (2006.01); **F02M 37/14** (2006.01); **F02M 37/22** (2006.01)

CPC (source: EP US)

**F02M 37/041** (2013.01 - EP); **F02M 37/14** (2013.01 - EP); **F02M 37/34** (2018.12 - EP US); **F02M 37/44** (2018.12 - EP US); **F04C 2/14** (2013.01 - EP US); **F04C 13/00** (2013.01 - EP); **F02M 37/42** (2018.12 - EP US); **F04C 2210/62** (2013.01 - EP)

Citation (search report)

- [XY] US 4740140 A 19880426 - BENSON ROGER [US]
- [Y] US 3695438 A 19721003 - MALPASSI ALBERTO
- [Y] US 3622007 A 19711123 - PAPPATHATOS JAMES S
- [X] US 5007806 A 19910416 - BELLIS PETER D [US], et al
- [X] US 2024133 A 19351210 - HARDING JR JOHN
- [Y] DE 4441505 A1 19960523 - BOSCH GMBH ROBERT [DE]
- [Y] US 1780217 A 19301104 - SUMNER WILTSE
- [A] US 2348567 A 19440509 - PARKER ARTHUR L
- [A] GB 569769 A 19450607 - GEN MOTORS CORP
- [A] GB 384164 A 19321201 - TECALEMIT LTD
- [A] DE 3718068 C1 19880630 - DAIMLER BENZ AG

Cited by

GB2338990A; EP0969202A3

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

**EP 0816669 A2 19980107**; **EP 0816669 A3 19980415**; **EP 0816669 B1 20020703**; BR 9703744 A 19980811; DE 19625736 A1 19980108; DE 19625736 C2 20000727; DE 59707627 D1 20020808

DOCDB simple family (application)

**EP 97100912 A 19970122**; BR 9703744 A 19970627; DE 19625736 A 19960627; DE 59707627 T 19970122