

Title (en)

FUEL SUPPLY PUMP FOR A FUEL INJECTION PUMP FOR INTERNAL COMBUSTION ENGINES

Title (de)

KRAFTSTOFF-FÖRDERPUMPE FÜR EINE KRAFTSTOFF-EINSPRITZPUMPE FÜR BRENNKRAFTMASCHINEN

Title (fr)

POMPE D'ALIMENTATION EN CARBURANT POUR POMPE D'INJECTION DE CARBURANT POUR MOTEURS A COMBUSTION INTERNE

Publication

EP 0846224 B1 20001227 (DE)

Application

EP 97915286 A 19970213

Priority

- DE 9700273 W 19970213
- DE 19625565 A 19960626

Abstract (en)

[origin: DE19625565A1] The invention relates to a fuel supply pump for a fuel injection pump for internal combustion engines, with a driven pair of meshing pinions (7, 9) rotating in a pump chamber (3) or other rotary conveying components which feed the fuel from a suction chamber (13) connected to a tank along a supply channel (17) formed between the faces of the pinions (7, 9) and the peripheral wall of the pump chamber (3) to a pressure chamber (15) connected to the fuel injection pump, and with a by-pass channel (25), integrated into a housing (1) of the fuel supply pump and connecting the suction (13) and pressure (15) chambers, which can be controlled by means of a pressure valve (31) fitted therein, where the suction chamber (13) can be closed by a check valve (40) acting against the fuel supply device.

IPC 1-7

F02M 37/04; **F04C 15/04**

IPC 8 full level

F02M 37/04 (2006.01); **F04B 49/00** (2006.01); **F04C 14/26** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP US)

F04C 14/26 (2013.01 - EP US)

Cited by

US6773240B2

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

DE 19625565 A1 19980108; **DE 19625565 C2 19980723**; CZ 290647 B6 20020911; CZ 54898 A3 19981014; DE 59702810 D1 20010201; EP 0846224 A1 19980610; EP 0846224 B1 20001227; US 6099263 A 20000808; WO 9749910 A1 19971231

DOCDB simple family (application)

DE 19625565 A 19960626; CZ 54898 A 19970213; DE 59702810 T 19970213; DE 9700273 W 19970213; EP 97915286 A 19970213; US 2937898 A 19980727