

Title (en)

A HYDRAULICALLY ACTUATED FUEL PUMP FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

HYDRAULISCH BETÄTIGTE KRAFTSTOFFPUMPE FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

POMPE A CARBURANT A ACTIONNEMENT HYDRAULIQUE POUR MOTEUR A COMBUSTION INTERNE

Publication

**EP 1015758 B1 20030917 (EN)**

Application

**EP 98924062 A 19980527**

Priority

- DK 9800217 W 19980527
- DK 61197 A 19970528

Abstract (en)

[origin: WO9854461A1] A hydraulically actuated fuel pump (1) for an internal combustion engine has a pump piston (39), which is driven forwards in a delivery stroke by means of an actuator piston (36). Between each injection sequence the pump piston (39) is returned to a fixed starting position by the action of the fuel pressure on the end surface (61, 62) of the pump piston in the pump chamber (52). The delivery volume of the fuel pump is electronically controlled by the supply of hydraulic fluid to the pressure chamber being cut off by the control valve (11) at the moment when the pump piston has delivered the desired volume. The pump cylinder (25) and the actuator cylinder (24) are separate units, which are mutually separated by an intermediate spacing member (26).

IPC 1-7

**F02M 59/20**; **F02M 59/30**

IPC 8 full level

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CPC (source: EP KR)

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**WO 9854461 A1 19981203**; **WO 9854461 A8 19990408**; AU 7639398 A 19981230; CN 1089401 C 20020821; CN 1256742 A 20000614; DK 173815 B1 20011112; DK 61197 A 19970624; EP 1015758 A1 20000705; EP 1015758 B1 20030917; JP 2001526755 A 20011218; JP 3519089 B2 20040412; KR 100440829 B1 20040719; KR 20010012904 A 20010226

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