

Title (en)

DEVICE FOR REDUCING THE AXIAL LOAD OF A PUMP WHICH DELIVERS FLUID

Title (de)

VORRICHTUNG ZUR REDUZIERUNG DER AXIALKRAFTBELASTUNG EINER EIN FLUID FÖRDERNDEN PUMPE

Title (fr)

DISPOSITIF POUR REDUIRE LA SOLLICITATION D'UNE POMPE REFOULANT UN FLUIDE, DUE AUX FORCES AXIALES EXERCEES

Publication

**EP 1149244 A1 20011031 (DE)**

Application

**EP 00988601 A 20001110**

Priority

- DE 0004006 W 20001110
- DE 19956520 A 19991124

Abstract (en)

[origin: WO0138739A1] The invention relates to a device for delivering fuel out of a fuel tank to an internal combustion engine, whereby a pump chamber is configured in the housing (2) of the delivery device (1). Displacement elements (6), which are rotationally driven, are accommodated in said housing (2). Borings (11, 12) are located on the shaft (8) that accommodates the displacement elements (6). One end (9) of the shaft (8) is connected to the induction side (17) of the delivery device (1) via said borings.

IPC 1-7

**F04C 2/10**; **F02M 37/04**

IPC 8 full level

**F02M 37/06** (2006.01); **F02M 37/04** (2006.01); **F04C 2/08** (2006.01); **F04C 2/10** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP US)

**F02M 37/041** (2013.01 - EP US); **F04C 2/086** (2013.01 - EP US); **F04C 2/102** (2013.01 - EP US); **F04C 15/0042** (2013.01 - EP US)

Citation (search report)

See references of WO 0138739A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**WO 0138739 A1 20010531**; DE 19956520 A1 20010613; DE 50012820 D1 20060629; EP 1149244 A1 20011031; EP 1149244 B1 20060524; JP 2003515058 A 20030422; US 6537046 B1 20030325

DOCDB simple family (application)

**DE 0004006 W 20001110**; DE 19956520 A 19991124; DE 50012820 T 20001110; EP 00988601 A 20001110; JP 2001540055 A 20001110; US 88989201 A 20011022