

Title (en)

Valve operated discharge control of a household pump

Title (de)

Ventilgesteuerte Durchflussregelung einer Haushaltspumpe

Title (fr)

Régulation du débit d'une pompe ménagère avec une soupape

Publication

EP 0992686 A3 20010307 (DE)

Application

EP 99119757 A 19991006

Priority

- DE 19846047 A 19981007
- DE 19923351 A 19990521

Abstract (en)

[origin: EP0992686A2] The pump unit has a pump driven by an electric motor, provided with a pump chamber (8) having a pump input (10) and a pump output (11) and integrated flow control and/or monitoring devices (26,27), e.g. inserted in a pressure line (25) connected to the pump output. Also included are Independent claims for the following: (a) a non-return valve; (b) a pressure-sensitive switching device

IPC 1-7

F04D 13/06; **F04B 17/06**; **F04D 29/42**

IPC 8 full level

F04B 17/03 (2006.01); **F04B 17/06** (2006.01); **F04B 53/16** (2006.01); **F04D 13/06** (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP)

F04B 17/03 (2013.01); **F04B 17/06** (2013.01); **F04B 53/16** (2013.01); **F04D 13/06** (2013.01); **F04D 29/426** (2013.01)

Citation (search report)

- [XY] DE 4304149 C1 19940908 - GRUNDFOS AS [DK]
- [XY] EP 0819474 A2 19980121 - GARDENA KRESS & KASTNER GMBH [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 009, no. 025 (M - 355) 2 February 1985 (1985-02-02)

Cited by

EP1217217A1; CN106884788A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0992686 A2 20000412; **EP 0992686 A3 20010307**

DOCDB simple family (application)

EP 99119757 A 19991006