

Title (en)  
Pump device

Title (de)  
Pumpeinrichtung

Title (fr)  
Dispositif de pompage

Publication  
**EP 2211057 B2 20200902 (DE)**

Application  
**EP 10000378 A 20060719**

Previously filed application  
06762694 20060719 EP

Priority  

- DE 102005036136 A 20050726
- EP 06762694 A 20060719
- EP 2006007096 W 20060719

Abstract (en)  
[origin: EP2211057A1] Pump device (1) comprises an integrated drive motor (2) with a fluid pump (3) on one side and an integrated pressure container (7) on the other side. The drive motor and pressure container are arranged in a spatially compact manner and are connected together. Preferred Features: Fluid line sections of a fluid line running between the motor and container are connected by a fluid-tight connection (8, 9). The fluid line comprises a shape-stable tubular line as fluid line section. A pressure switch (6) is assigned to a run-off channel (4) on the pressure side.

IPC 8 full level  
**F04B 23/00** (2006.01); **F04D 13/16** (2006.01)

CPC (source: EP)  
**E03B 5/00** (2013.01); **F04B 17/03** (2013.01); **F04B 23/028** (2013.01); **F04D 13/16** (2013.01); **F04D 29/605** (2013.01); **F04D 29/628** (2013.01)

Citation (opposition)  
Opponent :  

- DE 4304150 C1 19940511 - GRUNDFOS A S BJERRINGBRO [DK]
- DE 29909020 U1 20001005 - ELEKTRA BECKUM AG [DE]

Cited by  
EP4239202A1; EP3156661A1; CN107013715A; RU2667862C2; US10533674B2; EP4283128A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 2211057 A1 20100728; EP 2211057 B1 20120104; EP 2211057 B2 20200902**; AT E540223 T1 20120115; DE 102005036136 A1 20070201; DE 202006015688 U1 20070208; EP 1913257 A1 20080423; EP 1913257 B1 20200513; HU E051671 T2 20210329; PL 2211057 T3 20120531; WO 2007012420 A1 20070201

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