

Title (en)  
PUMP DEVICE

Title (de)  
PUMPEINRICHTUNG

Title (fr)  
SYSTEME DE POMPE

Publication  
**EP 1913257 B1 20200513 (DE)**

Application  
**EP 06762694 A 20060719**

Priority  
• EP 2006007096 W 20060719  
• DE 102005036136 A 20050726

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 23/02** (2006.01); **E03B 5/00** (2006.01); **F04B 17/03** (2006.01); **F04D 13/16** (2006.01); **F04D 29/60** (2006.01); **F04D 29/62** (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 (examination)  
• DE 19923351 A1 20000413 - GARDENA KRESS & KASTNER GMBH [DE]  
• DE 4136153 A1 19930506  
• US 2800860 A 19570730 - HEATH WILLIAM C  
• WO 9926010 A1 19990527 - DAYCO PRODUCTS INC [US]  
• DE 20011475 U1 20000914 - FESTO AG & CO [DE]  
• FR 2820489 A1 20020809 - VALEO [FR]

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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