

Title (en)

Pump power unit

Title (de)

Pumpenaggregat

Title (fr)

Groupe motopompe

Publication

EP 2589817 A1 20130508 (DE)

Application

EP 11188021 A 20111107

Priority

EP 11188021 A 20111107

Abstract (en)

The pump device has a housing unit (28), which is made from a plastic, at which an electrical operating element (22b) or display element (24b) is arranged. The electrical conducting paths are mounted directly to the housing unit. The operating element or the display element is contacted by the conducting paths. The housing unit is formed with the conducting paths in molded interconnect devices technology.

Abstract (de)

Die Erfindung betrifft ein Pumpenaggregat mit einem Gehäuseteil (28) aus Kunststoff an welchem zumindest ein elektrisches Bedien- (22b) oder Anzeigeelement (24b) angeordnet ist, wobei direkt an dem Gehäuseteil (28) elektrische Leiterbahnen (38) angebracht sind, über welche zumindest das Bedien- (22b) oder Anzeigeelement (24b) kontaktiert ist.

IPC 8 full level

F04D 29/42 (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP)

F04D 13/0686 (2013.01); **F04D 29/426** (2013.01); **F04D 29/628** (2013.01)

Citation (applicant)

EP 1947347 A1 20080723 - GRUNDFOS MANAGEMENT AS [DK]

Citation (search report)

- [X] WO 2008019818 A1 20080221 - GRUNDFOS MANAGEMENT AS [DK], et al
- [A] WO 9901665 A1 19990114 - SERVO MAGNETICS INC [US]
- [A] DE 10005505 A1 20010816 - GRUNDFOS AS [DK]

Cited by

LU500868B1; EP3396167A1; IT201700045778A1; US10284047B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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