

Title (en)
Pump power unit

Title (de)
Pumpenaggregat

Title (fr)
Groupe motopompe

Publication
EP 2354553 B1 20161116 (DE)

Application
EP 10000462 A 20100119

Priority
EP 10000462 A 20100119

Abstract (en)
[origin: EP2354553A1] The device has a control electronics unit arranged in a drive motor and a housing i.e. motor housing, where the drive motor is operated by the control electronics unit. An operating unit (20) includes a display element and/or an operating element (30) i.e. push-button, that are detachably connected to the housing in two different positions or connected with the housing in one of the positions and alternatively arranged external to the housing. The operating unit is signal-connected with the control electronics unit and force-or form fit detachably connected with the housing.

IPC 8 full level
F04D 13/06 (2006.01); **F04D 15/00** (2006.01); **H02K 11/00** (2016.01)

CPC (source: EP US)
F04B 39/121 (2013.01 - US); **F04B 39/14** (2013.01 - US); **F04B 49/06** (2013.01 - US); **F04B 53/16** (2013.01 - US); **F04D 13/06** (2013.01 - EP US); **F04D 15/0088** (2013.01 - EP US); **F04D 25/06** (2013.01 - US); **F04D 29/406** (2013.01 - US); **F04D 29/605** (2013.01 - US)

Cited by
CN107869453A; EP3521620A4; US11098711B2

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2354553 A1 20110810; EP 2354553 B1 20161116; CN 102713301 A 20121003; CN 102713301 B 20160601; JP 2013517423 A 20130516; JP 5778693 B2 20150916; US 10465691 B2 20191105; US 2012308401 A1 20121206; US 2018066661 A1 20180308; US 9841028 B2 20171212; WO 2011088976 A1 20110728; WO 2011088976 A8 20120830

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EP 10000462 A 20100119; CN 201180006533 A 20110117; EP 2011000162 W 20110117; JP 2012549281 A 20110117; US 201113522799 A 20110117; US 201715806669 A 20171108