

Title (en)
Pump power unit

Title (de)
Pumpenaggregat

Title (fr)
Groupe motopompe

Publication
EP 2565461 B1 20160817 (DE)

Application
EP 11179202 A 20110829

Priority
EP 11179202 A 20110829

Abstract (en)
[origin: EP2565461A1] The hot water circulation pump assembly has a centrifugal pump that is driven by an electric motor which is provided with a time control unit. A time display unit is provided in illumination devices and time is assigned to the illumination devices. The illumination devices are formed by LEDs. The illumination devices are arranged in circularly annular row. The time control unit is provided with operating elements which are arranged on an end-wall (7).

IPC 8 full level
F04D 13/06 (2006.01); **F04D 15/00** (2006.01); **G04C 23/00** (2006.01); **G04F 1/00** (2006.01); **G04G 9/02** (2006.01); **G04G 15/00** (2006.01)

CPC (source: EP US)
F04D 13/06 (2013.01 - EP); **F04D 13/0686** (2013.01 - EP US); **F04D 15/00** (2013.01 - EP US); **G04C 23/00** (2013.01 - EP US); **G04G 9/02** (2013.01 - EP US); **G04G 15/006** (2013.01 - EP US); **F04D 13/06** (2013.01 - US)

Cited by
DE202013009187U1

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

DOCDB simple family (publication)
EP 2565461 A1 20130306; EP 2565461 B1 20160817; CN 102966566 A 20130313; CN 102966566 B 20160907; US 2013052039 A1 20130228; US 9512844 B2 20161206

DOCDB simple family (application)
EP 11179202 A 20110829; CN 201210292296 A 20120816; US 201213586943 A 20120816