

Title (en)
Centrifugal pump assembly

Title (de)
Kreispumpenaggregat

Title (fr)
Agrégat de pompe centrifuge

Publication
EP 2778423 B1 20180228 (DE)

Application
EP 13158591 A 20130311

Priority
EP 13158591 A 20130311

Abstract (en)
[origin: EP2778423A1] The assembly i.e. circulating heating pump assembly, has a centrifugal pump (1) that is driven by an electric motor (7). An electronic speed controller or frequency converter is arranged for the motor, where the speed controller is arranged with an internal electronic controller. A signal input is provided for external activation of the motor. A switching unit or switch is arranged for switching of the internal electronic controller on an external speed control or for connecting the external speed control.

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

CPC (source: EP)
F04D 13/06 (2013.01); **F04D 15/0066** (2013.01)

Cited by
EP4015827A1; CN107002693A; CN114562463A; WO2016086986A1; WO2016087056A1; US10132508B2; US10697649B2; US11365891B2; US11933308B2

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 2778423 A1 20140917; EP 2778423 B1 20180228; CN 105121857 A 20151202; CN 105121857 B 20180403; PL 2778423 T3 20180731; TR 201806831 T4 20180621; WO 2014139784 A1 20140918

DOCDB simple family (application)
EP 13158591 A 20130311; CN 201480013981 A 20140224; EP 2014053515 W 20140224; PL 13158591 T 20130311; TR 201806831 T 20130311