

Title (en)

CENTRIFUGAL PUMP ASSEMBLY WITH ELECTRIC MOTOR

Title (de)

KREISELPUMPENANORDNUNG MIT ELEKTROMOTOR

Title (fr)

ENSEMBLE DE POMPE CENTRIFUGE DOTÉ D'UN MOTEUR ÉLECTRIQUE

Publication

**EP 3511573 A1 20190717 (EN)**

Application

**EP 19150747 A 20190108**

Priority

IT 201800000660 A 20180110

Abstract (en)

A centrifugal pump assembly (10), with electric motor (11) arranged in a casing (61), the assembly (10) comprising, at one end, a wet section (51), formed by a volute (64) and containing an impeller (52), and, at the other end, a box (13), which contains an electrical board (14), in contact with one end of the casing (61). The electric motor (11) is of the permanent-magnet brushless type and the casing (61) is made of stainless steel.

IPC 8 full level

**F04D 13/06** (2006.01); **F04D 29/02** (2006.01); **F04D 29/42** (2006.01); **F04D 29/62** (2006.01)

CPC (source: CN EP US)

**F04D 1/00** (2013.01 - CN); **F04D 13/06** (2013.01 - EP US); **F04D 13/0606** (2013.01 - CN EP US); **F04D 13/0626** (2013.01 - US); **F04D 13/064** (2013.01 - US); **F04D 13/0686** (2013.01 - EP US); **F04D 13/0693** (2013.01 - US); **F04D 29/007** (2013.01 - US); **F04D 29/026** (2013.01 - CN EP US); **F04D 29/406** (2013.01 - US); **F04D 29/426** (2013.01 - EP US); **F04D 29/428** (2013.01 - US); **F04D 29/5806** (2013.01 - CN); **F04D 29/586** (2013.01 - CN); **F04D 29/628** (2013.01 - EP US)

Citation (applicant)

IT 201800000660 A

Citation (search report)

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- [XA] JP H09209973 A 19970812 - HITACHI LTD, et al
- [IAY] EP 0963029 A2 19991208 - WILO GMBH [DE]
- [YA] EP 2500577 A1 20120919 - GRUNDFOS MANAGEMENT AS [DK]
- [YA] EP 1947347 A1 20080723 - GRUNDFOS MANAGEMENT AS [DK]
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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)

**EP 3511573 A1 20190717**; **EP 3511573 B1 20220803**; CN 110017287 A 20190716; CN 110017287 B 20220614; ES 2925178 T3 20221014; IT 201800000660 A1 20190710; US 2019211831 A1 20190711

DOCDB simple family (application)

**EP 19150747 A 20190108**; CN 201910022036 A 20190110; ES 19150747 T 20190108; IT 201800000660 A 20180110; US 201916243602 A 20190109