

Title (en)
Centrifugal electric pump

Title (de)
Elektrische Kreiselpumpe

Title (fr)
Pompe centrifuge electrique

Publication
EP 2716914 B1 20200916 (EN)

Application
EP 13186586 A 20130930

Priority
IT PD20120284 A 20121002

Abstract (en)
[origin: EP2716914A1] A centrifugal electric pump (10), of the type comprising a shell (11) for the containment of a set of impellers (12) interleaved with fixed diffusers (13), and of a motor (14) that drives the impellers (12) to rotate, since they are keyed on a same shaft (15) as the motor (14), a sealing chamber (16) is provided between the impellers (12) and the motor (14) and is extended around the shaft (15) to collect condensation water and water seepage originating from the set of impellers (12), the sealing chamber (16) is connected to the outside of the pump (10) by means of at least one water discharge duct (18).

IPC 8 full level
F04D 1/06 (2006.01); **F04D 29/10** (2006.01)

CPC (source: EP RU US)
F04D 1/066 (2013.01 - EP US); **F04D 29/106** (2013.01 - EP US); **F04D 29/406** (2013.01 - US); **F04D 1/06** (2013.01 - RU); **F04D 13/0626** (2013.01 - RU); **F04D 29/106** (2013.01 - RU)

Cited by
EP3670919A1; CN111350669A; EP3879121A1; IT202000004873A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2716914 A1 20140409; EP 2716914 B1 20200916; CN 103711708 A 20140409; CN 103711708 B 20170818; ES 2835711 T3 20210623; IT PD20120284 A1 20140403; RU 2013144190 A 20150410; RU 2621851 C2 20170607; UA 115031 C2 20170911; US 2014093409 A1 20140403

DOCDB simple family (application)
EP 13186586 A 20130930; CN 201310454939 A 20130929; ES 13186586 T 20130930; IT PD20120284 A 20121002; RU 2013144190 A 20131001; UA A201311629 A 20131002; US 201314044776 A 20131002