

Title (en)
Submersible motor pump unit

Title (de)
Motorbaueinheit für ein Tauchpumpenaggregat

Title (fr)
Groupe électropompe submersible

Publication
EP 1132623 A3 20030102 (DE)

Application
EP 01104337 A 20010223

Priority
DE 10010961 A 20000306

Abstract (en)
[origin: EP1132623A2] The motor unit for an immersed pump unit comprises an electric motor(1) and series-connected frequency changer located in a common casing. At least one heat distributor(2,21) lies by its whole circumference on the casing and its external contour corresponds to the internal contour of the casing. The heat distributor, which is connected with conduction of heat to the first component(8) of the frequency changer, is installed on the frequency changer's motor side end.

IPC 1-7
F04D 13/06; F04D 29/58; F04D 15/00; F04D 13/08

IPC 8 full level
F04D 13/08 (2006.01); **F04D 15/00** (2006.01)

CPC (source: EP US)
F04D 13/0686 (2013.01 - EP US); **F04D 13/086** (2013.01 - EP US); **F04D 15/0066** (2013.01 - EP US); **F04D 29/5813** (2013.01 - EP US)

Citation (search report)

- [DA] DE 19727202 A1 19990128 - GRUNDFOS AS [DK]
- [A] EP 0831236 A2 19980325 - WILO GMBH [DE]
- [A] DE 3642727 A1 19880623 - GRUNDFOS INT [DK]
- [A] DE 4222394 C1 19931209 - GRUNDFOS A S BJERRINGBRO [DK]
- [A] DE 3642729 A1 19880623 - GRUNDFOS INT [DK]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 14 31 December 1998 (1998-12-31)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1132623 A2 20010912; **EP 1132623 A3 20030102**; **EP 1132623 B1 20060906**; DE 10010961 A1 20010920; DE 50110911 D1 20061019; US 2001033114 A1 20011025; US 6515386 B2 20030204

DOCDB simple family (application)
EP 01104337 A 20010223; DE 10010961 A 20000306; DE 50110911 T 20010223; US 79943401 A 20010305