

Title (en)

PUMP DRIVEN BY AN ELECTROMOTOR AND METHOD FOR PRODUCING A PUMP OF THIS TYPE

Title (de)

ELEKTROMOTORISCH ANGETRIEBENE PUMPE UND VERFAHREN ZUR HERSTELLUNG EINER SOLCHEN PUMPE

Title (fr)

POMPE COMMANDEE PAR UN MOTEUR ELECTRIQUE ET PROCEDE DE PRODUCTION D'UNE TELLE POMPE

Publication

EP 1328731 B1 20080618 (DE)

Application

EP 01980182 A 20010920

Priority

- DE 0103624 W 20010920
- DE 10052797 A 20001025

Abstract (en)

[origin: WO0235098A1] The invention relates to a pump (10), comprising a pump head (12) which has a pump chamber (11), and an electromotor (14) which drives the pump head (12) and which has a rotor (38). Said rotor (38) is connected to the pump head (12) and is situated in a rotor chamber (82) which open to the pump chamber (11). According to the invention, the stator (40) that is positioned radially around the rotor chamber (82) is sealed against the pumping medium by a sealing wall (51) belonging to the stator (40) and at least one housing wall (64).

IPC 8 full level

F01P 5/04 (2006.01); **F04D 13/06** (2006.01); **F04D 29/00** (2006.01); **F04D 29/58** (2006.01); **H02K 1/18** (2006.01); **H02K 5/00** (2006.01); **H02K 7/14** (2006.01); **H02K 11/00** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP KR US)

F04D 13/06 (2013.01 - KR); **F04D 13/0626** (2013.01 - EP US); **F04D 13/064** (2013.01 - EP US); **F04D 13/0686** (2013.01 - EP US); **F04D 29/5813** (2013.01 - EP US); **F04C 15/0061** (2013.01 - EP US); **F04C 15/008** (2013.01 - EP US)

Citation (examination)

- DE 4222394 C1 19931209 - GRUNDFOS A S BJERRINGBRO [DK]
- JP H10238491 A 19980908 - NIKKISO CO LTD
- DE 3642726 A1 19880623 - GRUNDFOS INT [DK]

Cited by

CN109026682A; WO2013139628A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 0235098 A1 20020502; DE 10052797 A1 20020508; DE 50114041 D1 20080731; EP 1328731 A1 20030723; EP 1328731 B1 20080618; ES 2305115 T3 20081101; JP 2004512462 A 20040422; KR 20020064360 A 20020807; US 2004062664 A1 20040401

DOCDB simple family (application)

DE 0103624 W 20010920; DE 10052797 A 20001025; DE 50114041 T 20010920; EP 01980182 A 20010920; ES 01980182 T 20010920; JP 2002538051 A 20010920; KR 20027008193 A 20020624; US 16890203 A 20031103