

Title (en)

INTEGRATED INTERNAL GEAR PUMP WITH AN ELECTRIC MOTOR

Title (de)

INTEGRIERTE INNENZAHNRADPUMPENEINHEIT MIT ELEKTRISCHEM MOTOR

Title (fr)

UNITÉ INTÉGRÉE DE POMPE À ROUE DENTÉE INTÉRIEURE AVEC MOTEUR ÉLECTRIQUE

Publication

EP 2122174 B1 20120905 (DE)

Application

EP 08773826 A 20080703

Priority

- EP 2008005415 W 20080703
- DE 102007035239 A 20070725

Abstract (en)

[origin: WO2009012872A1] The invention relates to a rotor pump having an internally toothed outer ring and an externally toothed inner ring which is mounted therein and intermeshes therewith, wherein the outer ring and the inner ring are arranged axis-parallel to one another, and the axes of the outer ring and of the inner ring are at a distance from one another, and the outer ring is connected to a hollow shaft motor with a stator which is fitted with windings, and to a rotor which is rotatably mounted therein, characterized in that the outer ring forms the rotor of the hollow shaft motor.

IPC 8 full level

F04C 2/08 (2006.01); **F04C 2/10** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP US)

F04C 2/084 (2013.01 - EP US); **F04C 2/102** (2013.01 - EP US); **F04C 15/008** (2013.01 - EP US); **F05C 2201/021** (2013.01 - EP US); **F05C 2225/00** (2013.01 - EP US)

Cited by

CN111779673A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102007035239 A1 20090129; CN 101711313 A 20100519; EP 2122174 A1 20091125; EP 2122174 B1 20120905; US 2010111722 A1 20100506; US 8113794 B2 20120214; WO 2009012872 A1 20090129

DOCDB simple family (application)

DE 102007035239 A 20070725; CN 200880020585 A 20080703; EP 08773826 A 20080703; EP 2008005415 W 20080703; US 65281110 A 20100106