

Title (en)
PUMP WITH DETECTION OF ABSOLUTE ANGLE OF ROTATION

Title (de)
PUMPE MIT ABSOLUTER DREHWINKEL-ERFASSUNG

Title (fr)
POMPE AVEC DÉTECTION D'ANGLE DE ROTATION ABSOLU

Publication
EP 3768974 A1 20210127 (DE)

Application
EP 19735541 A 20190701

Priority
• EP 2019067542 W 20190701
• DE 102018118100 A 20180726

Abstract (en)
[origin: WO2020020577A1] The invention relates to an orbital pump for pumping a fluid, wherein the pump comprises at least one pump control system, a motor that can be controlled by the pump control system, a rotor shaft (10) for fluid transport, and a rotor sensor for detecting an absolute angle of rotation of the rotor shaft (40), the rotor sensor is connected to the pump control system and designed to transmit the angle of rotation of the rotor shaft (40) to the pump control system, and the pump control system is designed to rotationally control the rotor shaft (40) by means of the motor until the rotor shaft (40) is in a pre-determined angle of rotation position.

IPC 8 full level
F04C 5/00 (2006.01)

CPC (source: EP US)
F04C 5/00 (2013.01 - EP US); **F04C 14/06** (2013.01 - US); **F04C 14/08** (2013.01 - US); **F04C 14/28** (2013.01 - US); **F04C 2220/24** (2013.01 - EP); **F04C 2240/20** (2013.01 - US); **F04C 2240/40** (2013.01 - US); **F04C 2240/81** (2013.01 - EP US); **F04C 2270/0525** (2013.01 - US); **F04C 2270/20** (2013.01 - US)

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)
WO 2020020577 A1 20200130; CN 208718917 U 20190409; DE 102018118100 A1 20200130; EP 3768974 A1 20210127; EP 3768974 B1 20230830; US 11644032 B2 20230509; US 2021262466 A1 20210826

DOCDB simple family (application)
EP 2019067542 W 20190701; CN 201821460500 U 20180906; DE 102018118100 A 20180726; EP 19735541 A 20190701; US 201917255365 A 20190701