

Title (en)
PUMP ASSEMBLY HAVING AN AXIAL-FLUX ELECTRIC DRIVE

Title (de)
PUMPENANORDNUNG MIT AXIALFLUSS-ELEKTROANTRIEB

Title (fr)
ENSEMBLE POMPE COMPRENANT UN ENTRAÎNEMENT ÉLECTRIQUE À FLUX AXIAL

Publication
EP 3405650 A1 20181128 (DE)

Application
EP 17707223 A 20170222

Priority
• DE 102016103051 A 20160222
• EP 2017053992 W 20170222

Abstract (en)
[origin: WO2017144499A1] The invention relates to a pump assembly (1), at least comprising a first housing (2), in which at least one first drive means (3) for conveying a fluid (4) is rotatably mounted, wherein a first drive shaft (5) of the first drive means (3) extends at least through a first side wall (6) of the first housing (2) in an axial direction (7); wherein, outside of the first housing (2), at least one first rotor (8) of a first axial-flux electric drive (9) is arranged on the first drive shaft (5), wherein the first axial-flux electric drive (9) has only one stator (13).

IPC 8 full level
F01C 21/10 (2006.01); **F04C 2/12** (2006.01); **F04C 11/00** (2006.01); **F04C 15/00** (2006.01); **F04C 23/02** (2006.01)

CPC (source: EP US)
F01C 21/10 (2013.01 - EP US); **F04C 2/12** (2013.01 - EP US); **F04C 13/001** (2013.01 - US); **F04C 15/008** (2013.01 - EP US); **F04C 11/008** (2013.01 - EP US); **F04C 23/02** (2013.01 - EP US); **F04C 2210/1083** (2013.01 - EP US); **F04C 2240/40** (2013.01 - EP US); **F04C 2240/402** (2013.01 - EP US); **F04C 2240/51** (2013.01 - EP US)

Citation (search report)
See references of WO 2017144499A1

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)
DE 102016103051 A1 20170824; CN 108884713 A 20181123; CN 108884713 B 20210622; EP 3405650 A1 20181128; EP 3405650 B1 20191023; EP 3617448 A1 20200304; EP 3617448 B1 20230329; US 2019055941 A1 20190221; WO 2017144499 A1 20170831

DOCDB simple family (application)
DE 102016103051 A 20160222; CN 201780012791 A 20170222; EP 17707223 A 20170222; EP 19202447 A 20170222; EP 2017053992 W 20170222; US 201716078257 A 20170222