

Title (en)
ECCENTRIC SCREW PUMP

Title (de)
EXZENTERSCHNECKENPUMPE

Title (fr)
POMPE À VIS EXCENTRÉE

Publication
EP 3538767 A1 20190918 (DE)

Application
EP 17804474 A 20171109

Priority
• DE 102016121582 A 20161110
• EP 2017078800 W 20171109

Abstract (en)
[origin: WO2018087248A1] What is concerned is an eccentric screw pump having at least one stator (1), a rotor (2) rotating in the stator, a drive (3) for the rotor, a pump housing (4) which is connected to the stator (1) and has at least one inlet opening (6) for the medium to be conveyed, a connection housing (14) arranged between the pump housing (4) and drive (3), a connection shaft (9) which is connected to the drive (3) and is arranged at least in certain regions in the connection housing (14), and a coupling rod (10) which is arranged in the pump housing (4) and is connected to the connection shaft (9) via a drive-side joint (11) and to the rotor (2) via a rotor-side joint (12). The drive-side housing connection piece (16) can be demounted in such a way that the drive-side joint (11) can be exposed for maintenance or demounting.

IPC 8 full level
F04C 2/107 (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP US)
F04C 2/1073 (2013.01 - EP US); **F04C 15/0061** (2013.01 - EP US); **F04C 11/006** (2013.01 - US); **F04C 2230/60** (2013.01 - EP US); **F04C 2230/80** (2013.01 - EP US); **F04C 2230/85** (2013.01 - EP US); **F04C 2240/30** (2013.01 - EP US)

Citation (search report)
See references of WO 2018087248A1

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 2018087248 A1 20180517; CN 109952436 A 20190628; CN 109952436 B 20210302; DE 102016121582 A1 20180517; EP 3538767 A1 20190918; EP 3538767 B1 20230809; US 11378078 B2 20220705; US 2019316583 A1 20191017

DOCDB simple family (application)
EP 2017078800 W 20171109; CN 201780069564 A 20171109; DE 102016121582 A 20161110; EP 17804474 A 20171109; US 201716343230 A 20171109