

Title (en)
ECCENTRIC SCREW PUMP

Title (de)
EXZENTERSCHNECKENPUMPE

Title (fr)
POMPE À VIS SANS FIN EXCENTRIQUE

Publication
EP 3538766 B1 20200923 (DE)

Application
EP 17800800 A 20171109

Priority
• DE 102016121581 A 20161110
• EP 2017078808 W 20171109

Abstract (en)
[origin: WO2018087254A1] The invention relates to an eccentric screw pump comprising at least - a stator (1), a rotor (2) rotating about the stator, a drive (3) for the rotor (2), a pump housing (4) connected to the stator (1) and comprising at least one housing opening (6) for the medium to be conveyed, a connecting shaft (9) connected to the drive (3), a coupling rod (10) arranged in the pump housing (4) and connected on the drive side to the connecting shaft (9) via at least one detachable drive-sided connecting range and is connected to the rotor side of the rotor (2) via at least one detachable rotor-sided connecting range, the pump housing (4) comprises a drive-sided housing connection (16) and a stator-sided housing connection (17). The pump is characterised that rotor-sided housing connection (17) comprises a fixed first connection section (17a) and a displaceable second connection section (17b) which can be displaced axially on the first connection section (17a) in the direction of the housing opening (6) of the pump housing (4) for exposing the rotor-sided connection range.

IPC 8 full level
F04C 2/107 (2006.01)

CPC (source: EP US)
F04C 2/1071 (2013.01 - EP US); **F04C 2/1075** (2013.01 - EP US); **F04C 2230/603** (2013.01 - EP US); **F04C 2240/10** (2013.01 - US); **F04C 2240/20** (2013.01 - US); **F04C 2240/30** (2013.01 - US); **F04C 2240/60** (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

DOCDB simple family (publication)
WO 2018087254 A1 20180517; AU 2017358848 A1 20190530; AU 2017358848 B2 20220127; CN 109952435 A 20190628; CN 109952435 B 20210406; DE 102016121581 A1 20180517; DE 102016121581 B4 20180726; DK 3538766 T3 20201207; EP 3538766 A1 20190918; EP 3538766 B1 20200923; US 11326595 B2 20220510; US 2019257308 A1 20190822

DOCDB simple family (application)
EP 2017078808 W 20171109; AU 2017358848 A 20171109; CN 201780069454 A 20171109; DE 102016121581 A 20161110; DK 17800800 T 20171109; EP 17800800 A 20171109; US 201716343692 A 20171109