

Title (en)
SCREW SPINDLE PUMP

Title (de)
SCHRAUBENSPINDELPUMPE

Title (fr)
POMPE À BROCHE HÉLICOÏDALE

Publication
EP 3812546 B1 20230719 (DE)

Application
EP 20192041 A 20200821

Priority
DE 102019128602 A 20191023

Abstract (en)
[origin: CN112696353A] A screw spindle pump comprises a pump housing 2 having a lead screw 3 received therein; at least one running spindle 16 which meshes with said lead screw 3; a connector housing 5 which is placed onto the pump housing 2 and has a suction connector 27, 32 and a pressure connector 43, the two latter fluidically communicating with a suction inlet and a pressure outlet of the pump housing 2, wherein the connector housing 5 is composed of a first housing part 24 and a second housing part 39, one of the two latter having the suction connector 27, 32 and the other having the pressure connector 43, both said housing parts 24, 39 being rotatable relative to the pump housing 2 and both being rotatable relative to one another.

IPC 8 full level
F01C 21/10 (2006.01); **F04C 2/16** (2006.01); **F04C 15/06** (2006.01); **F16M 1/00** (2006.01)

CPC (source: CN EP US)
F01C 21/10 (2013.01 - EP); **F04C 2/16** (2013.01 - CN EP US); **F04C 11/001** (2013.01 - US); **F04C 15/0057** (2013.01 - CN); **F04C 15/06** (2013.01 - EP US); **F04C 2220/00** (2013.01 - EP); **F04C 2230/60** (2013.01 - EP US); **F04C 2240/30** (2013.01 - EP US); **F04C 2240/60** (2013.01 - US); **F04C 2240/806** (2013.01 - EP US)

Designated contracting state (EPC)
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DOCDB simple family (publication)
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DE 102019128602 A 20191023; BR 102020019605 A 20200925; CN 202010930731 A 20200907; EP 20192041 A 20200821; ES 20192041 T 20200821; PL 20192041 T 20200821; US 202017063943 A 20201006