

Title (en)
SCREW SPINDLE PUMP

Title (de)
SCHRAUBENSPINDELPUMPE

Title (fr)
POMPE À VIS

Publication
EP 3913187 B1 20221026 (DE)

Application
EP 21168615 A 20210415

Priority
DE 102020113372 A 20200518

Abstract (en)
[origin: US2021355938A1] A screw pump, including a housing with a running bore having at least two intersecting bores, each of which receives a spindle, wherein the spindles have worm screw profiles which intermesh in portions and in operation bend in a defined bending direction under a hydraulic bending pressure, wherein each bore is configured as a slot with a longer first axis of symmetry and a shorter second axis of symmetry standing orthogonally thereto, wherein the longer first axis of symmetry runs in the bending direction.

IPC 8 full level
F01C 21/10 (2006.01); **F04C 2/08** (2006.01); **F04C 2/16** (2006.01)

CPC (source: CN EP US)
F01C 21/10 (2013.01 - EP); **F04C 2/086** (2013.01 - CN EP); **F04C 2/16** (2013.01 - CN EP US); **F04C 2230/10** (2013.01 - US); **F04C 2230/602** (2013.01 - EP US); **F04C 2240/30** (2013.01 - US); **F04C 2240/81** (2013.01 - EP); **F04C 2250/30** (2013.01 - EP US); **F04C 2270/17** (2013.01 - EP)

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