

Title (en)
ROTOR UNIT AND ECCENTRIC SCREW PUMP

Title (de)
ROTOREINHEIT UND EXZENTERSCHNECKENPUMPE

Title (fr)
UNITÉ DE ROTOR ET POMPE À VIS EXCENTRIQUE

Publication
EP 4008903 B1 20230125 (DE)

Application
EP 20211922 A 20201204

Priority
EP 20211922 A 20201204

Abstract (en)
[origin: WO2022117300A1] A rotor unit (27, 27A, 27B, 27C, 27D, 27E, 27F, 27G, 27H) for an eccentric screw pump (1), with a drive shaft (28) which can be driven with the aid of a drive element (29) of the eccentric screw pump (1), with a spiral rotor (30), and a flex-shaft (31) which connects the drive shaft (28) to the rotor (30), wherein the flex-shaft (31) is received at least in sections within the drive shaft (28), and wherein a gap (42) which runs around the flex-shaft (31) is provided between the flex-shaft (31) and the drive shaft (28), which gap (42) makes a radial movement of the flex-shaft (31) within the drive shaft (28) possible.

IPC 8 full level
F04C 2/107 (2006.01); **F04C 15/00** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP US)
F04C 2/107 (2013.01 - US); **F04C 2/1071** (2013.01 - US); **F04C 2/1073** (2013.01 - EP); **F04C 15/0003** (2013.01 - US);
F04C 15/0065 (2013.01 - EP US); **F04C 15/0073** (2013.01 - EP); **F04C 2240/601** (2013.01 - US)

Cited by
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DOCDB simple family (publication)
EP 4008903 A1 20220608; **EP 4008903 B1 20230125**; CN 116806290 A 20230926; US 12018687 B2 20240625; US 2023417241 A1 20231228;
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