

Title (en)
Eccentric screw pump

Title (de)
Exzenterschneckenpumpe

Title (fr)
Pompe à vis sans fin excentrique

Publication
EP 2295800 A2 20110316 (DE)

Application
EP 10172673 A 20100812

Priority
DE 102009037993 A 20090820

Abstract (en)
The pump (1) has a pump body (2) with a screw-like rotor (5) rotatable relative to the pump body. The rotor is coupled with a driving motor by a connecting unit, where the rotor is rotatable by the driving motor. The connecting unit is designed as a connecting shaft (15) rotatably supported in the pump body. The connecting shaft is sealed to the pump body by a sealing element (17), and the rotor is detachably arranged at the connecting shaft. The connecting shaft is designed as a hollow shaft (19) into which a connecting bolt (20) is inserted, where the bolt is screwed into the rotor.

Abstract (de)
Exzenterschneckenpumpe, umfassend einen Pumpenkörper mit einem relativ zum Pumpenkörper drehbaren schneckenartigen Rotor, der über ein Verbindungsmittel mit einem Antriebsmotor, über den der Rotor drehbar ist, koppelbar ist, wobei das Verbindungsmittel eine im Pumpenkörper (2) drehgelagerte und zum Pumpenkörper (2) über wenigstens ein Dichtelement (17) abgedichtete Anschlusswelle (15) ist, an der der Rotor (5) lösbar angeordnet ist.

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

CPC (source: EP)
F04C 2/1071 (2013.01); **F04C 15/0038** (2013.01); **F04C 15/0073** (2013.01); **F04C 2230/60** (2013.01); **F04C 2230/70** (2013.01); **F04C 2240/60** (2013.01)

Cited by
CN103075336A; CN102734155A; US12018688B2; WO2019154571A1

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
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