

Title (en)

ROTARY HYDRAULIC PUMP WITH ESP MOTOR

Title (de)

ROTATIONSHYDRAULIKPUMPE MIT ESP-MOTOR

Title (fr)

POMPE HYDRAULIQUE ROTATIVE AVEC MOTEUR ESP

Publication

EP 3397864 A1 20181107 (EN)

Application

EP 16826621 A 20161227

Priority

- US 201514983022 A 20151229
- US 2016068729 W 20161227

Abstract (en)

[origin: US2017184089A1] A submersible pumping system includes an electric motor and a pump driven by the electric motor. The pump includes a rotatable shaft driven by the motor, one or more piston assemblies configured for linear reciprocating motion and a mechanism for converting the rotational movement of the shaft to linear reciprocating movement in the piston assemblies. In one aspect, the mechanism for converting the rotational movement of the shaft includes a tilt disc assembly. In another aspect, the mechanism for converting the rotational movement of the shaft includes a camshaft assembly.

IPC 8 full level

F04B 47/06 (2006.01); **E21B 43/00** (2006.01); **F04B 1/053** (2006.01); **F04B 1/14** (2006.01); **F04B 1/16** (2006.01); **F04B 15/02** (2006.01); **F04B 17/03** (2006.01)

CPC (source: EP US)

E21B 43/128 (2013.01 - EP US); **F04B 1/053** (2013.01 - EP US); **F04B 1/128** (2013.01 - US); **F04B 1/14** (2013.01 - EP US); **F04B 1/143** (2013.01 - US); **F04B 1/148** (2013.01 - US); **F04B 1/16** (2013.01 - EP US); **F04B 15/02** (2013.01 - EP US); **F04B 17/03** (2013.01 - EP US); **F04B 47/06** (2013.01 - EP US); **F04B 53/10** (2013.01 - US); **F04B 53/144** (2013.01 - US)

Citation (search report)

See references of WO 2017117141A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2017184089 A1 20170629; BR 112018012780 A2 20181204; CA 3009540 A1 20170706; CN 108700059 A 20181023; EP 3397864 A1 20181107; WO 2017117141 A1 20170706

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US 201514983022 A 20151229; BR 112018012780 A 20161227; CA 3009540 A 20161227; CN 201680077306 A 20161227; EP 16826621 A 20161227; US 2016068729 W 20161227