

Title (en)
SYSTEM FOR A DIRECT DRIVE PUMP

Title (de)
SYSTEM FÜR EINE PUMPE MIT DIREKTANTRIEB

Title (fr)
SYSTÈME POUR POMPE À ENTRAÎNEMENT DIRECT

Publication
EP 2464820 B1 20170927 (EN)

Application
EP 10808786 A 20100812

Priority
• US 23348809 P 20090812
• US 23382609 P 20090813
• US 55280609 A 20090902
• US 2010045377 W 20100812

Abstract (en)
[origin: WO2011019958A2] A method and a system are provided for a direct drive pump for use in pumping fluids and/or quasi-fluids from one location to another. In the direct drive pump, bearings or bushings are optimally spaced, taking into account various operational considerations such as load, path, pressure, and tension. Further, bearings or bushings are coupled to the drive string, thus assisting in more efficient installation and de-installation. The bearings or bushings are not fixed to the production casing or drive tube. In embodiments, the drive tube can be vented, and the production fluid can be used as a lubricant for the system bearings.

IPC 8 full level
E21B 43/12 (2006.01); **E21B 17/10** (2006.01); **F04D 13/10** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP US)
E21B 17/1071 (2013.01 - EP); **E21B 43/126** (2013.01 - EP US); **F04D 13/10** (2013.01 - EP); **F04D 29/628** (2013.01 - EP)

Cited by
US11982286B2

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

DOCDB simple family (publication)
WO 2011019958 A2 20110217; WO 2011019958 A3 20120301; AR 079097 A1 20111228; AU 2010282441 A1 20120209; AU 2010282441 B2 20160602; BR 112012003240 A2 20170321; CA 2770853 A1 20110217; CA 2770853 C 20171212; CN 102741498 A 20121017; CN 102741498 B 20160504; EP 2464820 A2 20120620; EP 2464820 A4 20151104; EP 2464820 B1 20170927; MX 2012001735 A 20120329; PE 20110174 A1 20110415; RU 2012106458 A 20130827; RU 2554380 C2 20150627

DOCDB simple family (application)
US 2010045377 W 20100812; AR P100102959 A 20100812; AU 2010282441 A 20100812; BR 112012003240 A 20100812; CA 2770853 A 20100812; CN 201080034115 A 20100812; EP 10808786 A 20100812; MX 2012001735 A 20100812; PE 2010000514 A 20100812; RU 2012106458 A 20100812