

Title (en)
ROTARY PISTON MACHINE

Title (de)
DREHKOLBENMASCHINE

Title (fr)
MACHINE A PISTON ROTATIF

Publication
EP 2016287 B1 20180711 (DE)

Application
EP 07722410 A 20070510

Priority
• DE 2007000861 W 20070510
• DE 102006022025 A 20060510

Abstract (en)
[origin: WO2007128303A1] Proposed is an electrically driven rotary piston machine which operates as a rotary piston pump or rotary piston compressor, having a base housing (1) which holds an electric coil (2) and a pump head (3), wherein the pump working space is preferably delimited by a trochoidal toothing of the rotors (15, 17). According to the invention, the pump head (3), which can usually be produced relatively cost-effectively, is designed as a disposable part and therefore has a quick-action connection (7, 10, 11, 12, 14) to the more expensive base housing (1).

IPC 8 full level
F04C 2/08 (2006.01); **F04C 3/08** (2006.01); **F04C 13/00** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP KR US)
F04C 2/08 (2013.01 - KR); **F04C 2/086** (2013.01 - EP US); **F04C 3/08** (2013.01 - KR); **F04C 3/085** (2013.01 - EP US); **F04C 13/00** (2013.01 - KR); **F04C 15/00** (2013.01 - KR); **F04C 15/008** (2013.01 - EP US); **F04C 2/084** (2013.01 - EP US); **F04C 13/001** (2013.01 - EP US); **F04C 2230/24** (2013.01 - EP US); **F04C 2230/60** (2013.01 - EP US); **Y10T 29/49236** (2015.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007128303 A1 20071115; WO 2007128303 B1 20080131; BR PI0709777 A2 20110726; BR PI0709777 B1 20190625; CA 2651130 A1 20071115; CA 2651130 C 20150714; CN 101443554 A 20090527; CN 101443554 B 20130327; EP 2016287 A1 20090121; EP 2016287 B1 20180711; JP 2009536286 A 20091008; JP 5175839 B2 20130403; KR 101424008 B1 20140801; KR 20090011024 A 20090130; MX 2008014324 A 20090528; US 2010034680 A1 20100211; US 8360748 B2 20130129

DOCDB simple family (application)
DE 2007000861 W 20070510; BR PI0709777 A 20070510; CA 2651130 A 20070510; CN 200780016905 A 20070510; EP 07722410 A 20070510; JP 2009508126 A 20070510; KR 20087030175 A 20070510; MX 2008014324 A 20070510; US 22704407 A 20070510