

Title (en)
PLANETARY ROTATION MACHINE

Title (de)
KREISKOLBENMASCHINE

Title (fr)
MACHINE À PISTON ROTATIF

Publication
EP 2118490 B1 20101013 (DE)

Application
EP 07857029 A 20071221

Priority
• EP 2007011306 W 20071221
• DE 102007001021 A 20070102

Abstract (en)
[origin: DE102007001021A1] The machine has a circular cylinder (1), which is curved along a partial circular arc, where a piston (2) is movably supported in a fluid, which mediates a movement. The piston is coupled by a lever (5) with a shaft (7), which is arranged coaxially in a center of the circular arc with its rotational axis. The lever is guided in a radial direction from the piston to the shaft through a gap, which is sealed and inserted in a wall of the circular cylinder in a movement direction of the piston.

IPC 8 full level
F04C 9/00 (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP KR US)
F04C 9/00 (2013.01 - KR); **F04C 9/002** (2013.01 - EP US); **F04C 15/00** (2013.01 - KR); **F04C 15/0007** (2013.01 - EP US);
F04C 2240/30 (2013.01 - EP US)

Cited by
DE102019112796A1

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)
US 2010071545 A1 20100325; US 8376725 B2 20130219; AT E484679 T1 20101015; BR PI0720869 A2 20140304; BR PI0720869 B1 20181127; CN 101622454 A 20100106; CN 101622454 B 20120125; DE 102007001021 A1 20080703; DE 102007001021 B4 20101118; DE 202007018703 U1 20090226; DE 502007005384 D1 20101125; EP 2118490 A1 20091118; EP 2118490 B1 20101013; ES 2353625 T3 20110303; JP 2010514983 A 20100506; JP 5140681 B2 20130206; KR 101293702 B1 20130806; KR 20090106588 A 20091009; PL 2118490 T3 20110429; RU 2009129530 A 20110210; RU 2426914 C2 20110820; WO 2008080574 A1 20080710

DOCDB simple family (application)
US 44871707 A 20071221; AT 07857029 T 20071221; BR PI0720869 A 20071221; CN 200780051964 A 20071221; DE 102007001021 A 20070102; DE 202007018703 U 20071221; DE 502007005384 T 20071221; EP 07857029 A 20071221; EP 2007011306 W 20071221; ES 07857029 T 20071221; JP 2009544371 A 20071221; KR 20097016186 A 20071221; PL 07857029 T 20071221; RU 2009129530 A 20071221