

Title (en)

Pendulum pump, in particular to feed oil under pressure to a final device

Title (de)

Pendelpumpe, insbesondere zum Zuführen von Drucköl zu einer endgültigen Vorrichtung

Title (fr)

Pompe pendulaire, en particulier pour l'alimentation d'huile sous pression vers un dispositif final

Publication

EP 2868926 A1 20150506 (EN)

Application

EP 14191963 A 20141105

Priority

IT BO20130603 A 20131105

Abstract (en)

A pendulum pump to feed oil under pressure to a final device has an outer rotor (11) and an inner rotor (8) which are mounted to rotate around respective rotation axes (10, 12), and a plurality of dragging pendulums (13), which are interposed between the two rotors (8, 11), are rotationally coupled to one of the rotors (8, 11), and are slidingly coupled to respective guide recesses (15) obtained on the other rotor (8, 11); each guide recess (15) having a symmetry plane (P) which is tangent to a circumference (C) which is concentric with respect to the rotation axis (10, 12) of one of the rotors (8, 11).

IPC 8 full level

F04C 2/332 (2006.01); **F04C 2/348** (2006.01)

CPC (source: EP)

F04C 2/332 (2013.01); **F04C 2/348** (2013.01); **F04C 14/226** (2013.01); **F04C 2210/206** (2013.01); **F04C 2240/20** (2013.01)

Citation (search report)

- [A] WO 2009014661 A1 20090129 - BORGWARNER INC [US], et al
- [A] DE 19532703 C1 19961121 - BEEZ GUENTHER [DE], et al
- [A] DE 102006058979 A1 20080619 - HELLA KGAA HUECK & CO [DE]

Cited by

CN108612653A

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)

EP 2868926 A1 20150506; **EP 2868926 B1 20160907**; IT BO20130603 A1 20150506

DOCDB simple family (application)

EP 14191963 A 20141105; IT BO20130603 A 20131105