

Title (en)
Hydraulic motor

Title (de)
Hydraulischer Motor

Title (fr)
Moteur hydraulique

Publication
EP 1612411 A1 20060104 (FR)

Application
EP 05291376 A 20050627

Priority
FR 0407038 A 20040628

Abstract (en)
The motor has a cam, and a set of cylinders (I1-I3) for receiving pistons. A cam lobe (L2) is unused and with which the piston does not co-operate. Angular spacing between the cylinders is different and differs from a multiple of the smallest angular spacing between the cylinders, where the angular spacing is determined so that the resultant of forces exerted by the pistons on the cam is small or zero. An independent claim is also included for a method of designing a hydraulic motor.

IPC 8 full level
F03C 1/247 (2006.01); **F03C 1/047** (2006.01); **F03C 1/30** (2006.01); **F03C 1/32** (2006.01)

CPC (source: EP US)
F03C 1/0409 (2013.01 - EP US); **F03C 1/0415** (2013.01 - EP US); **F03C 1/247** (2013.01 - EP US)

Citation (applicant)
FR 2834012 A1 20030627 - POCLAIN HYDRAULICS IND [FR]

Citation (search report)

- [AD] FR 2834012 A1 20030627 - POCLAIN HYDRAULICS IND [FR]
- [A] US 4643077 A 19870217 - BOCK RUDOLF [DE]
- [A] US 6575078 B1 20030610 - WRIGHT LYNDON J [GB], et al

Cited by
CN109826669A

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1612411 A1 20060104; **EP 1612411 B1 20070425**; DE 602005000963 D1 20070606; DE 602005000963 T2 20080117; FR 2872227 A1 20051230; FR 2872227 B1 20060929; US 2005287015 A1 20051229; US 7225721 B2 20070605

DOCDB simple family (application)
EP 05291376 A 20050627; DE 602005000963 T 20050627; FR 0407038 A 20040628; US 15681505 A 20050620