

Title (en)  
Hydraulic radial piston motor

Title (de)  
Hydraulischer Radialkolbenmotor

Title (fr)  
Moteur hydraulique à piston radial

Publication  
**EP 2436918 A1 20120404 (DE)**

Application  
**EP 10011478 A 20100929**

Priority  
EP 10011478 A 20100929

Abstract (en)  
The hydraulic radial piston motor has a cam ring (4) and a cylinder block (6) arranged in housing rotating around a rotation axis relative to each other. The cylinder block is provided with multiple pistons (10) that are arranged radial to the rotation axis. The pistons have support rollers (12) running at cam ring at its radially outer ends. A measuring device (34) engages the respective angularity between the cam ring and the cylinder block. An independent claim is also included for a method for operating a hydraulic radial piston motor.

Abstract (de)  
Ein hydraulischer Radialkolbenmotor mit mindestens einem Nockenring (4) und mindestens einem Zylinderblock (6), die relativ zueinander um eine Drehachse D drehbar in einem Gehäuse (2) angeordnet sind, wobei der Zylinderblock (6) mit einer Mehrzahl radial zur Drehachse D angeordneter Kolben (10) versehen ist, die an ihren radial äußeren Enden am Nockenring (4) ablaufende Stützrollen (12) aufweisen, zeichnet sich durch eine die jeweiligen Winkelstellung zwischen dem Nockenring (4) und dem Zylinderblock (6) erfassende Messvorrichtung (34) aus.

IPC 8 full level  
**F03C 1/04** (2006.01); **F01B 1/06** (2006.01); **F01B 13/06** (2006.01); **F03C 1/047** (2006.01); **F03C 1/24** (2006.01); **F04B 1/047** (2006.01)

CPC (source: EP)  
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Citation (applicant)  
• US 2005126387 A1 20050616 - ALLART BERNARD [FR], et al  
• DE 19618793 B4 20070118 - BOSCH REXROTH AG [DE]  
• CH 487331 A 19700315 - HIAB FOCO AB [SE]

Citation (search report)  
• [XYI] WO 0006869 A1 20000210 - MOTORVATION INTERNATIONAL LIMI [GB], et al  
• [XYI] GB 2167138 A 19860521 - DUESTERLOH GMBH  
• [IY] FR 2940672 A1 20100702 - POCLAIN HYDRAULICS IND [FR]  
• [YD] US 3587401 A 19710628 - JOHANSSON FRITZ AGNE

Cited by  
CN104564584A; CN112177843A; CN109856418A

Designated contracting state (EPC)  
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Designated extension state (EPC)  
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