

Title (en)

Hydraulic device

Title (de)

Hydraulisches Gerät

Title (fr)

Dispositif hydraulique

Publication

EP 1855002 A1 20071114 (EN)

Application

EP 06113728 A 20060509

Priority

EP 06113728 A 20060509

Abstract (en)

Hydraulic device comprising pistons rotatable in a first plane, piston sleeves arranged around the pistons in a sealing manner, a drum plate rotatable around a rotation axis in a second plane with a drum plate surface for sealingly supporting the piston sleeves, whereby the piston sleeves are resiliently pressed by first spring means against the drum plate surface and whereby the first plane and the second plane intersect forming an angle and the piston, the piston sleeve and the drum plate form a chamber which has a changing volume during rotation of the pistons and whereby the device further is provided with second spring means that press the piston sleeves at a contact point on the outer circumference of a piston sleeve in direction of the rotation axis.

IPC 8 full level

F04B 1/20 (2006.01); **F01B 3/00** (2006.01)

CPC (source: EP)

F04B 1/2007 (2013.01); **F04B 1/2035** (2013.01)

Citation (search report)

- [A] EP 1508694 A1 20050223 - INNAS BV [NL]
- [A] WO 03058035 A1 20030717 - INNAS BV [NL], et al

Cited by

EP4296504A1; WO2023247524A1; EP3246567A1; US10830221B2; US11067067B2; US10914172B2; WO2017198718A1

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1855002 A1 20071114

DOCDB simple family (application)

EP 06113728 A 20060509