

Title (en)

HYDRAULIC DEVICE WITH RADIAL PISTONS COMPRISING AT LEAST ONE BALL BEARING

Title (de)

HYDRAULISCHE VORRICHTUNG MIT RADIALKOLBEN MIT MINDESTENS EINEM KUGELLAGER

Title (fr)

APPAREIL HYDRAULIQUE A PISTONS RADIAUX COMPRENANT AU MOINS UN ROULEMENT A BILLES

Publication

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Application

**EP 15820105 A 20151217**

Priority

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Abstract (en)

[origin: WO2016097216A1] The present invention relates to a hydraulic device (10) with radial pistons, comprising: - a shaft (12) arranged along an axis (1); - a cover (13) forming a casing element, the cover and the shaft being free to rotate with respect to one another; - a distribution assembly comprising: - a multi-lobe cam (14); - a cylinder block (15); - a distributor (16) configured to exert a thrust force (P) against the cylinder block (15) along the axis (11) of the shaft; - an assembly (22) of mechanical bearings comprising at least one mechanical bearing (22a) mounted in radial contact between the cover (13) and shaft (12), said assembly being configured to take up the thrust force (P) exerted by the distributor (16); and - a straight contact ball bearing mounted in radial contact between the cover (13) and the shaft (12).

IPC 8 full level

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