

Title (en)

A ROTARY HYDRAULIC MACHINE WITH RADIAL PISTONS.

Title (de)

HYDRAULISCHE DREHMASCHINE MIT RADIALKOLBEN

Title (fr)

MACHINE HYDRAULIQUE ROTATIVE À PISTONS RADIAUX

Publication

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Application

EP 11716053 A 20110323

Priority

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- IB 2011051218 W 20110323

Abstract (en)

[origin: WO2012014090A1] A rotary hydraulic machine having radial pistons, comprising a rotating shaft (2), a cylinder-housing body (3) having a plurality of housing seatings (4) arranged radially and equidistant from the rotation axis (R) of the rotating shaft (2), a cylinder (5) housed in each of the plurality of housing seatings (4) and rotating with respect to the plurality of housing seatings (4) about an axis (C) which is concentric to the rotation axis (R) of the rotating shaft (2), a slidable piston (6) in each cylinder (5), coupled to a crank (7) of the rotating shaft (2), the crank (7) being offset with respect to the rotation axis (R) of the rotating shaft (2). Each cylinder (5) and each housing seating (4) have a cylindrical-section sector and the machine comprises a compensating chamber (16), afforded between each cylinder (5) and the respective housing seating (4), set in fluid communication with a pressurised fluid source.

IPC 8 full level

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