

Title (en)

HYDRAULIC MACHINE COMPRISING A PRE-COMPRESSION CHAMBER AND A SECOND ANGLE OF INCLINATION

Title (de)

HYDRAULISCHE MASCHINE MIT EINER VORKOMPRESSIONSKAMMER UND EINEM ZWEITEN NEIGUNGSWINKEL

Title (fr)

MACHINE HYDRAULIQUE COMPORTANT UNE CHAMBRE DE PRE-COMPRESSION ET UN DEUXIEME ANGLE D'INCLINAISON

Publication

EP 2943684 A1 20151118 (FR)

Application

EP 13820814 A 20131217

Priority

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- FR 2013053135 W 20131217

Abstract (en)

[origin: WO2014108616A1] A hydraulic machine comprising a barrel (12) driven in rotation by an input shaft (6), comprising cylinders (14) each receiving a piston (16) bearing on one side on a tiltable tray (20) that can pivot about an axis perpendicular to the input shaft, the cylinders bearing, on the side opposite the tray, on a circular closing plate (24) comprising a low pressure manifold and a high pressure manifold separated at the ends of same by two intermediate spaces, at least one of these spaces comprising at least one connection to a precompression chamber, characterised in that the tilt of the tray (20) comprises a second tilt angle that gives an angular offset of the top and bottom dead centres of the pistons (16), relative to the mid points of the intermediate spaces.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2014108616A1

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