

Title (en)
HYDROSTATIC RADIAL PISTON MACHINE

Title (de)
HYDROSTATISCHE RADIALKOLBENMASCHINE

Title (fr)
MACHINE HYDROSTATIQUE À PISTONS RADIAUX

Publication
EP 2510192 B1 20130626 (DE)

Application
EP 10790918 A 20101207

Priority
• DE 102009054548 A 20091211
• EP 2010069078 W 20101207

Abstract (en)
[origin: WO2011070019A1] A hydrostatic radial piston machine has: a radial cylinder piston block (9) with cylinder bores (11) which emanate from an outer circumferential surface of the radial cylinder piston block, extend into the interior of the latter and are arranged distributed over the circumference thereof; a number of pistons (13) which corresponds to the number of cylinder bores; a cam ring (4) which is arranged eccentrically with respect to the radial cylinder piston block, surrounds the radial cylinder piston block circumferentially and on the inner circumferential surface (17) of which ends of the pistons which face away from the radial cylinder piston block are supported movably during the rotational movement of the radial cylinder piston block; and two control plate bodies (30, 32) which extend in each case with an end surface which faces the radial cylinder piston block towards a centre plane of the radial cylinder piston block, which centre plane is perpendicular with respect to the rotational axis, beyond a plane which is defined by an end surface, facing the respective control plate body, of the radial cylinder piston block at its point with the greatest axial width. Each control plate body has a bearing region, in which radially acting forces can be transmitted to a respective mating surface in the housing (2) or a housing cover (3) mounted in the latter.

IPC 8 full level
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CPC (source: EP US)
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