

Title (en)
HYDRAULIC AXIAL PISTON MACHINE

Title (de)
HYDRAULISCHE AXIALKOLBENMASCHINE

Title (fr)
MACHINE HYDRAULIQUE À PISTON AXIAL

Publication
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Application
EP 08801383 A 20081008

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Abstract (en)
[origin: WO2009046716A1] The invention specifies a hydraulic axial piston machine (1) having a housing (2) in which a cylinder drum (4) is mounted so as to be rotatable about an axis (5), which cylinder drum (4) has at least one cylinder (7) in which is arranged a piston (10) which is supported against a swashplate (12), the angle of inclination of which swashplate (12) can be adjusted in an adjustment plane. It is sought to keep the expenditure for the production of individual parts of the axial piston machine low. For this purpose, it is provided that the swashplate (12) has, on that side of the latter which faces away from the cylinder drum (4), a spherical bearing surface (15), which bears against a spherical support surface (16) in the base part (3) of the housing (2), and an anti-tilt device (31-34) which counteracts a tilting movement of the swashplate (12) perpendicular to the adjustment plane.

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