

Title (en)  
HYDROSTATIC AXIAL PISTON MACHINE

Title (de)  
HYDROSTATISCHE AXIALKOLBENMASCHINE

Title (fr)  
MACHINE HYDROSTATIQUE A PISTONS AXIAUX

Publication  
**EP 1303682 B1 20060301 (DE)**

Application  
**EP 01967219 A 20010724**

Priority  
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• EP 0108559 W 20010724

Abstract (en)  
[origin: WO0208573A1] The invention relates to an adjustable hydrostatic axial piston machine comprising a drum-type cylinder block (3), which is mounted onto a drive shaft or output shaft (1), one end of which is mounted in a bore of the base (6) of a well-shaped housing (4). Said cylinder block is retained so that it cannot rotate and is provided concentrically with cylinder bores running parallel to the central line of the block. Axially displaceable pistons are arranged in the bores, said pistons being supported by spherical heads against an oblique surface or an oblique face of a cradle-shaped body (14), which is pivotally mounted by anti-friction bearings (16) on shaft journals (15) and is provided with a pivoting drive. The inventive axial piston machine is characterised in that the interior of the housing (4) is provided with approximately semi-cylindrical shells on both sides of the drive or output shaft (1), into which the anti-friction bearings (16) are inserted and in which said bearings are retained by bow-shaped retaining elements (18).

IPC 8 full level  
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