

Title (en)  
AXIAL PISTON MACHINE

Title (de)  
AXIALKOLBENMASCHINE

Title (fr)  
MACHINE À PISTONS AXIAUX

Publication  
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Application  
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Abstract (en)  
[origin: WO2015177231A2] The invention relates to an axial piston machine (1) comprising: a shaft (3) which is non-rotatably connected to a swash plate (4); and cylinders (5) that are disposed annularly around and coaxially with the shaft (3), in which cylinders pistons (6) are disposed in a translationally displaceable manner, wherein each piston (6) is coupled to the swash plate (4) by means of a spherical bearing (7) and a sliding member (8) and wherein an inlet opening (9) is assigned to each cylinder (5). The axial piston machine further comprises a control plate (10) having an eccentrically disposed through-opening (11) which passes over each inlet opening (9) once during each revolution of the control plate (10) thereby guiding the working medium into the associated cylinder (5). According to the invention, at least one spherical bearing (7) has a multi-part design.

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