

Title (en)
AXIAL-PISTON MACHINE

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Application
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DE 3503437 A 19850201

Abstract (en)
[origin: US4771677A] The invention relates to an axial piston machine having an oblique disk body (14) arranged in a housing (1) in a torsionally secure manner, having a drive shaft (4), which is mounted in the oblique disk body (14), and having a rotatable cylinder drum (7), which is coupled with the drive shaft (4) and in which a plurality of pistons (9) may be displaced axially in piston bore holes, their piston heads (11) being supported by means of sliding shoes (12) against the oblique surface (13) of the oblique disk body (14). The purpose of the invention is to construct the axial piston machine in such a way as to make possible torsional securement of the oblique disk body (14) which is simple in terms of production techniques and assembly, with a compact constructional form. This is achieved by mounting the oblique disk body (14) with its peripheral surface (16, 17) torsionally secured in a form-locking manner in a recess (19) of the housing (1) shaped to correspond to the peripheral surface (16, 17).

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Dubbel, Taschenbuch für den Maschinenbau, 13. Auflage, 1970, Seiten 681-684

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