

Title (en)
Axial piston machine

Title (de)
Axialkolbenmaschine

Title (fr)
Machine à pistons axiaux

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Application
EP 04007090 A 20010315

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Abstract (en)
[origin: WO0198656A1] The invention relates to an axial piston engine (1) with a housing (2), inside the housing interior (4) of which a drive shaft (7) and a cylinder drum (16), arranged axially adjacent to said shaft, are rotatably mounted. The longitudinal mid-axes (9a, 9b) of the driveshaft (7) and the cylinder drum (17) run inclined to each other at an angle (W). Several piston bores (18) are arranged in the cylinder drum (16), running roughly parallel to the mid-axis thereof and in which pistons (21) may run axially up and down. The ends of said pistons, facing the driveshaft (7), are universally pivoted by means of a support joint (25) to the driveshaft (7), whereby a retainer plate (31), common to all support joints (23), is provided to prevent the piston ends from axially separating from the support joints (23). A sensor (36) is provided for determining the speed of the driveshaft (7) and co-operates with markings (39) on a component which rotates with the driveshaft (7) during operation. In order to simplify the axial piston engine (1) the markings are arranged on the circumferential region of the retainer plate.

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