

Title (en)

AXIAL PISTON MACHINE WITH OFFSET POSITIONING ELEMENT AND CAM DISK FOR SUCH AN AXIAL PISTON MACHINE

Title (de)

AXIALKOLBENMASCHINE MIT VERSETZTEM POSITIONIERELEMEN UND STEUERSCHEIBE FÜR EINE SOLCHE AXIALKOLBENMASCHINE

Title (fr)

MACHINE A PISTONS AXIAUX COMPORTANT UN ELEMENT DE POSITIONNEMENT DECALE ET CAME DE COMMANDE POUR UNE TELLE MACHINE A PISTONS AXIAUX

Publication

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Application

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Abstract (en)

[origin: WO2004109107A1] The invention relates to an axial piston machine (1) comprising a housing (2) in which a drive disk (7) and a cylinder block (12) axially disposed next to it are received so as to be rotatable relative to each other about longitudinal center axes (11, 13). These axes run obliquely at an angle (W1) relative to each other in an oblique axis plane (E). A cam disk (18) is disposed on the front of the cylinder block (12) facing away from the drive disk (17) and is supported on the housing (2) by means of a positioning device (19) with positively engaging positioning elements (19a, 19b). A guide element (21) having a guide center axis (22) running coaxially to the longitudinal center axis (13) of the cylinder block (12) is disposed on the side facing the cylinder block (12). In order to provide for a simple construction and to allow for a step-wise modification of the throughput, the positioning element (19b) disposed on the cam disk (18) is set off in the oblique axis plane (E) at an angle to the guide center axis (22). The cam disk (18) can be mounted in a second position, rotated relative to the guide center axis (22) by approximately 180 DEG , in which the positioning elements (19a, 19b) are also functionally linked.

IPC 1-7

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IPC 8 full level

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