

Title (en)
HYDRAULIC SYSTEM WITH AN ADJUSTABLE HYDROSTATIC MACHINE

Title (de)
HYDRAULISCHES SYSTEM MIT EINER VERSTELLBAREN HYDROSTATISCHEN MASCHINE

Title (fr)
SYSTÈME HYDRAULIQUE AVEC UNE MACHINE HYDROSTATIQUE RÉGLABLE

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Abstract (en)
[origin: WO2009024336A1] The invention relates to an axial piston machine in a swash-plate construction with an actuating device. The actuating device comprises a actuating piston (3) and a mating piston (4). The actuating piston (3) and the mating piston (4) are connected to the swash plate (2) each with the first end thereof and can be applied with the second end thereof with a force acting in the direction of the first end. For resetting the swash plate (2) in the direction of a resting position, an elastic element (10, 11) is provided on the actuating piston (3) and on the mating piston (4), which is supported on a spring bearing (12, 17) arranged on the first side facing the swash plate (2) of the actuating piston (3) or of the mating piston (4). In the other direction, the elastic element (10, 11) is supported on a second spring bearing (13, 18), arranged on the end facing away from the swash plate (2) of the actuating piston (3) or of the mating piston (4). When the swash plate (2) is deflected from the resting position, the second spring bearing (13, 18) of the actuating piston (3) or of the mating piston (4) is supported on a counter bearing on the housing side. The second spring bearing (13, 18) of the respective other actuating bearing (3) or mating bearing (4) is supported on a counter bearing on the piston side.

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