

Title (en)

AXIAL PISTON MOTOR WITH BEARING FLUSHING

Title (de)

AXIALKOLBENMASCHINE MIT LAGERSPÜLUNG

Title (fr)

MOTEUR A PISTONS AXIAUX A RIN AGE DES PALIERS

Publication

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Application

EP 97948792 A 19971023

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Abstract (en)

[origin: DE19649195C1] The invention relates to an axial piston motor constructed as a swivel-slide structure with a channel to feed cleaning fluid to the driving shaft bearings. The axial piston motor (1) comprises a swivelling cylinder drum (8) and a driving shaft (3) supported on driving shaft bearings (4, 5). The driving shaft (3) is connected to a driving shaft flange (6) to which movable pistons (11, 12) are coupled through the cylinder bores (9, 10) of the cylinder drum (8), and on which the cylinder drum (8) is supported by a central journal (16). In addition, the invention provides for a control specular element (18) with reniform control elements and a regulating device (26), by which the cylinder drum (8) together with the control specular element (18) can be swivelled. According to the improvement added by the invention, the cleaning fluid channel is taken through the setting journal (25) and control specular element (18) up to the central journal (16). The cleaning fluid channel then continues inside the central journal (16) and the driving shaft (3) and exits at the driving shaft bearings (4, 5) that require feeding.

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