

Title (en)
AXIAL PISTON ENGINE COMPRISING A RETURN DEVICE

Title (de)
AXIALKOLBENMASCHINE MIT EINER RÜCKZUGEINRICHTUNG

Title (fr)
MACHINE A PISTONS AXIAUX AVEC DISPOSITIF DE RETOUR

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Abstract (en)
[origin: US2003094096A1] The invention relates to an axial piston engine (1) comprising a housing (2) wherein a cylinder drum (17) is arranged. Several axially extending piston bores (21) are embodied in the cylinder drum and arranged in such a way that they are distributed around the longitudinal center axis (7a) of the cylinder drum (17). Pistons (23) are moveably guided in said bores and are supported by sliding shoes (29) on a pivoting mounted on a transversely extending pivoting axis (27). A stop (44b) or a stop (44a, 44b) on both sides of the pivoting axis (27) is/are provided in order to limit the pivoting movements of the pivoting plate (26). In order to stabilise the axial piston engine and provide it with a simple design, the stop (44b) or both stops (44a, 44b) are arranged on a sleeve-like supporting element (45) which is supported by the inner covering surface (3c) of the inside of the housing (4).

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