

Title (en)

Axial piston engine comprising a return device

Title (de)

Axialkolbenmaschine mit einer Rückzugeinrichtung

Title (fr)

Machine à pistons axiaux avec dispositif de retour

Publication

**EP 1526279 B1 20060705 (DE)**

Application

**EP 05001424 A 20010516**

Priority

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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).

IPC 8 full level

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**US 2003094096 A1 20030522**; **US 6880450 B2 20050419**; DE 10035630 C1 20020314; DE 50109080 D1 20060427; DE 50110418 D1 20060817; EP 1301709 A1 20030416; EP 1301709 B1 20060301; EP 1526279 A1 20050427; EP 1526279 B1 20060705; JP 2004504544 A 20040212; JP 4869538 B2 20120208; WO 0208603 A1 20020131

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