

Title (en)

AXIAL PISTON MACHINE HAVING A HYDROSTATIC SUPPORT OF THE HOLD-DOWN

Title (de)

AXIALKOLBENMASCHINE MIT HYDROSTATISCHER AUFLAGE DES NIEDERHALTERS

Title (fr)

Machine à piston axial avec appui hydrostatique du serre-flan

Publication

EP 2024638 A1 20090218 (DE)

Application

EP 07725379 A 20070518

Priority

- EP 2007004471 W 20070518
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Abstract (en)

[origin: WO2007140868A1] An axial piston machine comprises a housing (1) which receives an eccentric disc (3) and a rotatably mounted cylinder drum (6) having cylinders (26, 28) and pistons (29) which can move to and fro in the former and the ends of which which protrude out of the cylinders (26, 28) are supported on the eccentric disc (3) via a sliding face (31) of a sliding disc (32), and also comprises a hold-down (36), by which the sliding face (31) is held in contact with the sliding disc (32). A pressure which prevails in a pressure space (40) under the sliding shoes (31) compensates partially for a pressure which is exerted on the sliding shoe (32) by the hold-down (36), via a connecting restrictor (43).

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2007140868A1

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