

Title (en)

AXIAL PISTON MACHINE WITH IMPROVED PRESSURE PIN

Title (de)

AXIALKOLBENMASCHINE MIT VERBESSERTEM DRUCKSTIFT

Title (fr)

MACHINE A PISTONS AXIALES POURVUE D'UNE TICHE DE PRESSION AMELIOREE

Publication

EP 1604113 B1 20060524 (DE)

Application

EP 04721848 A 20040319

Priority

- EP 2004002897 W 20040319
- DE 10312242 A 20030319

Abstract (en)

[origin: WO2004083635A1] The invention relates to an axial piston machine (1) having a rotatably mounted cylinder drum (5) which in turn has a center recess (38) and a plurality of cylinder bores (6) that extend substantially axially relative to the center bore (38) and in which pistons (7) are movably guided and are supported on a pivoting plate (11) via sliding shoes (8). Said sliding shoes (8) are guided in recesses (23) of a withdrawal plate (22) in whose center inner bore (25) a withdrawal body (26) is guided with an outer surface that corresponds to the inner bore (25) of the withdrawal plate (22). The withdrawal body (26) is subject to an axially directed pretension force which is exerted by a tension spring (26) via the pressure pins (28). Every pressure pin (28), on its base side (40), is provided with an enlarged portion (43) radially in relation to its longitudinal axis (34).

IPC 8 full level

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CPC (source: EP US)

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