

Title (en)

AXIAL PISTON ENGINE HAVING A HOUSING COMPRISING A RADIALY EXTENDED INNER SECTION

Title (de)

AXIALKOLBENMASCHINE MIT EINEM RADIAL ERWEITERTEN INNENRAUMABSCHNITT AUFWEISENDEN GEHÄUSE

Title (fr)

MACHINE À PISTONS AXIAUX COMPORTANT UN LOGEMENT POURVU D'UNE SECTION D'ESPACE INTERNE À EXTENSION RADIALE

Publication

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Application

EP 07857025 A 20071220

Priority

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Abstract (en)

[origin: US2010322789A1] The invention relates to a hydrostatic axial piston engine (1), having a housing (2), which with two transverse walls (18a, 18b) and a peripheral wall (2c) connecting these longitudinally to one another surrounds an interior (3), a driving shaft (19), which extends longitudinally in the housing (2) and is mounted rotatably in the housing (2), and a swash plate (4), which is mounted longitudinally adjacent to the cylinder drum (5) in the housing (2) and supported against which in an articulated manner are pistons (9) that are reciprocally mounted in approximately longitudinally extending piston holes (6) in the cylinder drum (5). In order to improve the axial piston engine (1) in terms of a spatially advantageous shape, the peripheral wall (2c) has at least one radial elevation (34a), which is constructed in an elongate manner in the longitudinal direction of the housing (2) and which is formed by two peripheral wall portions (2e), which are arranged in an angular or U-shaped manner and delimit a radially widened interior portion (36).

IPC 8 full level

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CPC (source: EP US)

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