

Title (en)
HYDROSTATIC AXIAL PISTON ENGINE

Title (de)
HYDROSTATISCHE AXIALKOLBENMASCHINE

Title (fr)
MACHINE À PISTON AXIAL HYDROSTATIQUE

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EP 2092192 A1 20090826 (DE)

Application
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Abstract (en)
[origin: US2009288552A1] The invention relates to a hydrostatic axial piston engine with a cylinder drum (106) which is mounted rotatably in a housing (103). Longitudinally displaceable working pistons (111) are disposed in cylinder boreholes (110) in the cylinder drum (106). The working pistons (111) are connected movably to sliding blocks (149) and are supported on a face (116) of an inclined disk (115). Furthermore, the hydrostatic axial piston engine (101) has a control piston (126) which interacts with the inclined disk (115) for adjusting an angle of inclination of the face (116) with respect to an axis of rotation (144) in the cylinder drum (106). The control piston (126) is supported over a control piston sliding block (149') on the face (116) of the inclined disk (115) in order to exert a regulating force on the inclined disk (115).

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