

Title (en)

Hydrostatic axial piston engine with inclined axes

Title (de)

Hydrostatische Axialkolbenmaschine in Schrägachsenbauweise

Title (fr)

Machine à piston axial hydrostatique dans une construction à axe oblique

Publication

EP 2848807 B1 20161012 (DE)

Application

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Priority

DE 102013108409 A 20130805

Abstract (en)

[origin: CN104343653A] A hydrostatic axial piston machine with a bent-axis construction has a drive shaft with a drive flange rotatable around an axis of rotation. A cylinder drum has an axis of rotation. The cylinder drum has a plurality of piston bores located concentric to the axis of rotation of the cylinder drum and a longitudinally displaceable piston is located in each bore. A driving device drives the cylinder drum. The drive shaft is a hollow shaft. A torque bar runs through the hollow shaft from a drive flange side end of the axial piston machine to a cylinder drum side end of the axial piston machine to transmit torque from the drive flange side end of the axial piston machine to a cylinder drum side end of the axial piston machine.

IPC 8 full level

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CPC (source: EP US)

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