

Title (en)
HYDRAULIC AXIAL-PISTON MACHINE

Publication
EP 0090206 B1 19861126 (DE)

Application
EP 83102218 A 19830307

Priority
DE 3212402 A 19820402

Abstract (en)
[origin: EP0090206A2] 1. Hydraulic axial piston machine with a shaft passed to the outside on one side for the cylinder barrel and with a swash plate pivotably mounted by means of a tilting yoke in the trunnions of a trunnion ring at the end remote from the shaft passage, characterized in that the tilting yoke (12) with the swash plate (10) is displaceable at right angles to the trunnion axis (M-M) and rolls by means of a curved surface (29), whose radius of curvature (R) is located with its centre point on the trunnion axis (M-M), on a rotary disk (16), which is in turn supported by a linear roller bearing (18, 19) on a control base (22) connected to the trunnion ring (42).

IPC 1-7
F04B 1/20; **F04B 1/22**; **F01B 3/02**

IPC 8 full level
F03C 1/06 (2006.01); **F01B 3/02** (2006.01); **F03C 1/253** (2006.01); **F03C 1/30** (2006.01); **F04B 1/20** (2006.01); **F04B 1/22** (2006.01)

CPC (source: EP)
F04B 1/2085 (2013.01); **F05C 2253/12** (2013.01)

Cited by
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DE FR GB IT

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EP 0090206 A2 19831005; **EP 0090206 A3 19840404**; **EP 0090206 B1 19861126**; DE 3212402 A1 19831013; DE 3367961 D1 19870115; JP H0341678 B2 19910624; JP S58185982 A 19831029

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