

Title (en)

Axial piston machine with hydrostatic relief of the rocker body bearing

Title (de)

Axialkolbenmaschine mit hydrostatischer Enlastung ihrer gleitflächengelagerten Steuerlinse

Title (fr)

Machine à pistons axiaux avec décharge hydrostatique du palier du plateau d'impulseur

Publication

EP 0675286 B1 19970723 (DE)

Application

EP 95101841 A 19950210

Priority

DE 4409370 A 19940318

Abstract (en)

[origin: EP0675286A1] The axial piston machine has adjustable compression volumes. It has a rotating cylinder block (4) in which hydraulically actuated pistons (12) slide in axial cylinder bores (10). Two support bodies (3, 5) have bearing surfaces (25, 27), at least one of which has a recess (31.1). The recess comprises a relief groove arrangement extending at least partly into the pressure field and comprising at least one groove. Relief of the pressure field allows a throttled discharge of the fluid away from the bearing face. <IMAGE>

IPC 1-7

F04B 1/20; **F01B 3/00**

IPC 8 full level

F01B 3/00 (2006.01); **F04B 1/20** (2006.01)

CPC (source: EP)

F01B 3/0073 (2013.01); **F04B 1/2085** (2013.01)

Cited by

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DE 4409370 A1 19950921; **DE 4409370 C2 19970417**; DE 59500404 D1 19970828; EP 0675286 A1 19951004; EP 0675286 B1 19970723

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