

Title (en)

Hydrostatic axial piston machine with opening for medium pressure in the control plate

Title (de)

Axialkolbenmaschine mit Mitteldrucköffnung in der Steuerscheibe

Title (fr)

Machine à piston axial comportant une ouverture pour pression moyenne dans le disque de commande

Publication

EP 0935069 B1 20040804 (DE)

Application

EP 99101492 A 19990127

Priority

DE 19804374 A 19980204

Abstract (en)

[origin: EP0935069A2] Novelty - The plate cam (8) has an average pressure aperture (23). Seen in direction of rotation (38) of the cylinder drum relative to the plate cam, the aperture is located between a high pressure aperture (18) in the cam, and a first dead center position (21), where the axial movement direction of the pistons is reversed. A control unit with regulator valves (24) regulates the pressure at the average pressure aperture to a set average pressure level (MD), between the low pressure (ND) at the low pressure aperture (19) and the high pressure (HD) at the high pressure aperture.

IPC 1-7

F04B 1/20

IPC 8 full level

F04B 1/20 (2006.01); **F04B 1/29** (2006.01)

CPC (source: EP)

F04B 1/2042 (2013.01)

Cited by

FR3000770A1; FR2834011A1; FR2834012A1; JP2002070716A; EP2835532A4; US6978713B2; US7185579B2; WO03056171A1; WO2013068211A1; WO03056172A1; US10788024B2

Designated contracting state (EPC)

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EP 0935069 A2 19990811; **EP 0935069 A3 20000517**; **EP 0935069 B1 20040804**; DE 19804374 A1 19990812; DE 19804374 B4 20040930; DE 59910088 D1 20040909

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