

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 A3 20000517 (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)

Citation (search report)

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- [XAY] US 5285641 A 19940215 - GOTO KUNIFUMI [JP], et al
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- [AY] DE 1228929 B 19661117 - CITROEN SA
- [YA] US 3362342 A 19680109 - EGLINGTON FLINT JOHN CHRISTOPH, et al
- [XA] PATENT ABSTRACTS OF JAPAN vol. 009, no. 229 (M - 413) 14 September 1985 (1985-09-14)
- [XA] PATENT ABSTRACTS OF JAPAN vol. 011, no. 356 (M - 644) 20 November 1987 (1987-11-20)

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DOCDB simple family (application)

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