

Title (en)

Axial piston machine with reduced pulsation

Title (de)

Axialkolbenmaschine mit Pulsationsminderung

Title (fr)

Machine à piston axial dotée d'une réduction de pulsations

Publication

**EP 2199609 A3 20121128 (DE)**

Application

**EP 09014052 A 20091110**

Priority

DE 102008062483 A 20081216

Abstract (en)

[origin: EP2199609A2] The machine has a control plate (1) provided with control openings (2, 3), and reversing regions (4, 5) attached between the control openings. A cylinder drum is arranged relative to the control plate in a rotatable manner. A storage element (10) is connected with the reversing regions. The storage element has a storage volume (15) changed by a spring-loaded piston (12). A piston rear side is loaded either by only a spring force or by the spring force and a hydraulic force, which is produced by an active pressure of a high pressure guiding control opening in a reduced cross sectional surface.

IPC 8 full level

**F04B 1/20** (2006.01); **F03C 1/06** (2006.01); **F04B 11/00** (2006.01); **F04B 53/00** (2006.01)

CPC (source: EP)

**F03C 1/0647** (2013.01); **F03C 1/0655** (2013.01); **F04B 1/2021** (2013.01); **F04B 1/2042** (2013.01); **F04B 11/0008** (2013.01); **F04B 11/0016** (2013.01); **F04B 53/001** (2013.01); **F04B 2205/16** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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