

Title (en)

Distribution system for a hydrostatic piston machine

Title (de)

Distributionssystem für eine hydrostatische Kolbenmaschine

Title (fr)

Système de distribution pour une machine à piston hydrostatique

Publication

EP 1772625 B1 20120822 (EN)

Application

EP 06121256 A 20060926

Priority

IT RE20050110 A 20051004

Abstract (en)

[origin: EP1772625A2] A distribution system for a hydrostatic piston machine which comprises a rotating body (7) provided with cylindrical chambers (8) in which the pistons (9) can slide and which are arranged parallel and concentrically with respect to the rotation axis (A) of the body and are connected to respective ports (11) which are distributed concentrically around the axis on a face of the body, and a stationary plate (5) which has a surface which makes contact against the face and is provided with two openings (14, 15) which are connected to a first duct and a second duct for a working fluid, the openings (14, 15) being arranged concentrically with respect to the axis (A) and opposite with respect to the ports (11), so as to form a passage section for the fluid between one of the chambers (8) and one of the ducts, the openings (14, 15) and the ports (11) being sized so that at the dead center of the stroke of the pistons (9) the incremental ratio between the passage section of the fluid and the rotation angle of the body is different from zero.

IPC 8 full level

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CPC (source: EP US)

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