Title (en)

A rotary distribution group for hydraulic motors with orbiting sealing surfaces.

Title (de)

Rotierende Verteilungsgruppe für hydraulische Motoren mit umlaufender Flächendichtung.

Title (fr)

Groupe de distribution rotatif pour des moteurs hydrauliques avec étanchéité par portée superficielle à révolution.

Publication

EP 0270181 A2 19880608 (EN)

Application

EP 87202354 A 19871130

Priority

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• IT 2259286 A 19861205

Abstract (en)

The rotary distribution group for hydraulic motors according to the invention comprises a revolving distributor disc (8) formed with orifices (26) communicating between its plane surfaces and connected for rotation to the drive shaft (13) and clamped between an axially movable reaction ring (9) formed with separate orifices (17) connected to the supply and the discharge ducts (3,4) for hydraulic fluid, and a fixed distribution plate (5) formed with outlet orifices (6) for the ducts (7) supplying and discharging hydraulic fluid to the motor propulsors, continuous surfaces being present for bounding and separating the respective inlet areas of the orifices in the disc (8) towards the reaction ring (9) and towards the distribution plate (5), the surfaces of the distributor disc (8) facing the distribution plate (5) being formed with cavities and recesses which are eccentric with respect to the axis of rotation of the distributor disc (8) and are adapted to move orbitally during the rotation of the distributor disc (8).

IPC 1-7

F03C 1/04

IPC 8 full level

F03C 1/38 (2006.01)

CPC (source: EP)

F03C 1/0444 (2013.01)

Cited by

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