

Title (en)

Distribution unit for hydraulic radial piston motors.

Title (de)

Verteilereinheit für hydraulische Radialkolbenmotoren.

Title (fr)

Dispositif de distribution pour des moteurs hydrauliques à pistons radiaux.

Publication

EP 0651159 A1 19950503 (EN)

Application

EP 94202930 A 19941011

Priority

IT MI932309 A 19931029

Abstract (en)

A front-sealed rotary unit for the distribution of fluid under pressure, particularly for hydraulic motors having a double series of actuators operating on a shaft consisting of two eccentric portions staggered at 180 DEG , such unit comprising a rotary distributor disc (8) connected to the drive shaft and tightly secured between a front-sealed reaction ring (9), capable of sliding axially and provided with separate passages (17, 20) connected to hydraulic fluid supply and discharge ducts (3a, 3b, 4), and a fixed distribution plate (5) provided with holes (6, 36) for the outflow from hydraulic fluid intake and discharge ducts (7/1, 7/2) to the two series of actuators (10) of the motor, in which such distributor disc (8) is traversed in an axial sense by at least two pairs of independent holes (27, 28, 33, 34) for communication between their opposed flat surfaces (8a, 8b), respectively in contact with reaction ring (9) and with distribution plate (5), which holes are capable of performing a double distribution in counterphase of fluid to the actuators with each revolution of distributor disc. <IMAGE>

IPC 1-7

F03C 1/04; **F03C 1/053**

IPC 8 full level

F03C 1/053 (2006.01); **F03C 1/38** (2006.01)

CPC (source: EP)

F03C 1/0444 (2013.01); **F03C 1/0536** (2013.01)

Citation (search report)

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