

Title (en)
Rotary cylinder fluid pressure machine

Title (de)
Maschine mit einem rotierenden Zylinderblock

Title (fr)
Machine à pression de fluide à cylindre rotatif

Publication
EP 1462647 A3 20050720 (DE)

Application
EP 04004296 A 20040226

Priority
DE 10313426 A 20030325

Abstract (en)
[origin: EP1462647A2] The hydraulic machine has a casing (1) containing a rotating cylinder block (11) in a rotor (10) of an electric motor. The stator (9) of the motor is fastened to the inside surface of the housing. The machine is used for pumping fluid. As the rotor turns, the working pistons (13) are made to reciprocate in their cylinders (12) by a tilting plate (14) fixed to the housing. Hydraulic pistons (22,26) are connected to control members (28,33) to adjust the tilt of the plate defining the stroke of the working pistons. There is a tilt measurement device (27) for the tilting plate and a pressure sensor (20) for the high-pressure output from the working cylinders.

IPC 1-7
F04B 1/20; **F04B 1/32**; **F04B 49/08**

IPC 8 full level
F04B 1/32 (2006.01)

CPC (source: EP)
F04B 1/324 (2013.01); **F04B 2205/04** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

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