

Title (en)

Swash plate pump with automatically variable flow rate

Title (de)

Axialkolbenpumpe mit automatischer Anpassung des Durchflusses

Title (fr)

Pompe axiale avec dispositif automatique de réglage du débit

Publication

EP 1435457 A1 20040707 (EN)

Application

EP 03000020 A 20030103

Priority

- EP 03000020 A 20030103
- US 33669503 A 20030106

Abstract (en)

A motor pump for high-pressure washers having a structure of the type that comprises a rotating plate (11) that is inclined with respect to its axis (13) and on which at least two pistons (15,16) push, the pistons (15,16) being arranged parallel to the axis (13) in radially spaced positions. The rotating plate (11) is associated for joint rotation with a motorized support (12), which is arranged opposite the pistons (15,16) and on which the plate (11) can oscillate freely in order to vary its inclination, with respect to the rotation axis (13), between preset values that determine the axial movement of the pistons (15,16), elastic elements (14) for contrasting the variations in inclination induced by the pistons (15,16) being functionally interposed between the plate (11) and the support (12). <IMAGE>

IPC 1-7

F04B 1/28

IPC 8 full level

F04B 1/26 (2006.01); **F04B 1/28** (2006.01)

CPC (source: EP US)

F04B 1/146 (2013.01 - EP US); **F04B 1/28** (2013.01 - EP US)

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 SE SI SK TR

DOCDB simple family (publication)

EP 1435457 A1 20040707; US 2004131473 A1 20040708

DOCDB simple family (application)

EP 03000020 A 20030103; US 33669503 A 20030106