

Title (en)
Vane pump

Title (de)
Flügelzellenpumpe

Title (fr)
Pompe à palettes

Publication
EP 1378665 B1 20051005 (DE)

Application
EP 03013008 A 20030610

Priority
DE 10229809 A 20020703

Abstract (en)
[origin: EP1378665A1] The pump has two diametrically-opposed inlet chambers (10,11) and diametrically-opposed outlet chambers (12,13). The vanes (7) slide in slots (6) in the rotor (5) and move in and out in accordance with the contour of the pump ring. Fluid may be brought to the pump in a line (28) leading from a reservoir with a spring (30) and a piston (29). It leaves the pump via a main line (14) with a throttle valve (27).

IPC 1-7
F04C 15/04; **F04C 2/344**

IPC 8 full level
F04C 2/344 (2006.01); **F04C 14/26** (2006.01); **F04C 11/00** (2006.01)

CPC (source: EP)
F04C 2/3446 (2013.01); **F04C 14/26** (2013.01); **F04C 2/3447** (2013.01); **F04C 11/005** (2013.01)

Cited by
CN103225608A; CN112648181A

Designated contracting state (EPC)
DE ES FR GB SE

DOCDB simple family (publication)
EP 1378665 A1 20040107; **EP 1378665 B1 20051005**; DE 10229809 A1 20040115; DE 50301288 D1 20060216; ES 2250787 T3 20060416

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