

Title (en)

Hydrostatic pump

Title (de)

Hydrostatische Pumpe

Title (fr)

Pompe hydrostatique

Publication

**EP 1026401 B1 20030611 (DE)**

Application

**EP 00101946 A 20000201**

Priority

DE 19904339 A 19990203

Abstract (en)

[origin: EP1026401A2] The side plate(16) of the pump is loaded by a disc spring(30) in the direction of the displacement chamber, and the pump casing(2) is sealed on the end face side. The displacement component is a vane wheel. A rotor(6) is torsionally fixed on the shaft(4) and supports radially movable vanes(8), the end sections of which lie closely upon the inner circumference of a thrust ring(10) mounted in the pump casing. The side plate is preloaded against the thrust ring and cell wheel by the disc spring.

IPC 1-7

**F04C 2/344**; F04C 15/00

IPC 8 full level

**F04C 2/344** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP)

**F01C 21/108** (2013.01); **F04C 2/3442** (2013.01); **F04C 15/0023** (2013.01)

Cited by

EP3081741A3; CN107178496A; US10458406B2; WO2009135587A3; US10082139B2; US11143181B2; EP3081741B1

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

**EP 1026401 A2 20000809**; **EP 1026401 A3 20010926**; **EP 1026401 B1 20030611**; DE 19904339 A1 20000810; DE 50002506 D1 20030717

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**EP 00101946 A 20000201**; DE 19904339 A 19990203; DE 50002506 T 20000201