

Title (en)
Hydrostatic pump

Title (de)
Hydrostatische Pumpe

Title (fr)
Pompe hydrostatique

Publication
EP 1026401 A3 20010926 (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)

Citation (search report)

- [X] FR 1121395 A 19560813
- [X] US 3362339 A 19680109 - ECKFELDT EDGAR L, et al
- [X] DE 9201060 U1 19920319
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- [X] DE 19631846 A1 19970220 - LUK FAHRZEUG HYDRAULIK [DE]

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

Designated contracting state (EPC)
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