

Title (en)
Vane pump

Title (de)
Flügelzellenpumpe

Title (fr)
Pompe à palettes

Publication
EP 0758716 A3 19980401 (DE)

Application
EP 96112844 A 19960809

Priority
• DE 19529803 A 19950814
• DE 19531701 A 19950828
• DE 29610896 U 19960621
• DE 19629336 A 19960720

Abstract (en)
[origin: EP0758716A2] The pump has an hydraulic resistance element, located in a fluid path, which connects the pressure areas. The element has an infinite resistance as cold start plate (17), to separate the pressure areas of the pump sections. The pump has a radial rotor (7) with slots to accommodate vanes. A pressure plate (11) engages sealing on an endface of the rotor. It also has a fluid connection (51') between the pressure side of pump, and an undervane area (53). This is formed by a groove in the pressure plate.

IPC 1-7
F04C 2/344

IPC 8 full level
F01C 21/08 (2006.01); **F04C 14/06** (2006.01); **F04C 15/00** (2006.01); **F04C 15/06** (2006.01); **F04C 18/344** (2006.01)

CPC (source: EP US)
F01C 21/0863 (2013.01 - EP US); **F04C 14/06** (2013.01 - EP US); **F04C 15/0023** (2013.01 - EP US); **F04C 15/06** (2013.01 - EP US)

Citation (search report)
• [X] EP 0481347 A1 19920422 - TOYODA MACHINE WORKS LTD [JP]
• [AD] DE 2835816 A1 19800221 - ZAHNRADFABRIK FRIEDRICHSHAFEN
• [LE] DE 19529806 A1 19970220 - LUK FAHRZEUG HYDRAULIK [DE]

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Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0758716 A2 19970219; **EP 0758716 A3 19980401**; **EP 0758716 B1 20031210**; JP 4164133 B2 20081008; JP H09119383 A 19970506; US 5807090 A 19980915

DOCDB simple family (application)
EP 96112844 A 19960809; JP 21487096 A 19960814; US 69680696 A 19960813