

Title (en)  
Vane pump

Title (de)  
Flügelzellenpumpe

Title (fr)  
Flügelzellenpumpe

Publication  
**EP 1293673 A3 20040728 (DE)**

Application  
**EP 02020795 A 20020917**

Priority  
DE 10145866 A 20010918

Abstract (en)  
[origin: EP1293673A2] The pump has a housing in which the roller set, bounded by at least one end plate (e.g. 6) is located. The runner set has a cam ring and a runner with vanes. The end plate has at least one counter-pressure field (15) adjacent to the runner set, to which the working pressure of the pump is supplied, and which may be connected to a kidney-shaped aperture (16) in the end plate.

IPC 1-7  
**F04C 2/344**; **F04C 15/00**

IPC 8 full level  
**F04C 2/344** (2006.01); **F04C 14/24** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP)  
**F01C 21/108** (2013.01); **F04C 2/3441** (2013.01); **F04C 15/0023** (2013.01)

Citation (search report)  
• [X] US 6234776 B1 20010522 - HAYASHI TETSUJI [JP], et al  
• [XD] DE 4112196 A1 19921015 - ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**EP 1293673 A2 20030319**; **EP 1293673 A3 20040728**; **EP 1293673 B1 20051130**; AT E311537 T1 20051215; DE 10145866 A1 20030417; DE 50205094 D1 20060105; ES 2254580 T3 20060616

DOCDB simple family (application)  
**EP 02020795 A 20020917**; AT 02020795 T 20020917; DE 10145866 A 20010918; DE 50205094 T 20020917; ES 02020795 T 20020917