

Title (en)  
Vane pump with capacity control

Title (de)  
Mengenregelbare Flügelzellenpumpe

Title (fr)  
Pompe à palettes à déplacement variable

Publication  
**EP 1043503 A3 20020327 (DE)**

Application  
**EP 00105640 A 20000316**

Priority  
DE 19915738 A 19990408

Abstract (en)  
[origin: EP1043503A2] In the pump casing (10) a bearing socket (18) is provided in which a bearing segment (73) of a ring (7) can pivot to adjust stroke of vanes (5). A spring loaded plunger (19) adjusts the position of the ring according to the position of a regulating ele (11).

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

IPC 8 full level  
**F04C 2/344** (2006.01); **F04C 14/22** (2006.01)

CPC (source: EP)  
**F04C 14/22** (2013.01); **F04C 2/3442** (2013.01)

Citation (search report)

- [Y] US 5800131 A 19980901 - LEHMANN UWE [DE], et al
- [Y] DE 3135697 A1 19830331 - ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]
- [A] US 4259039 A 19810331 - ARNOLD DIETER
- [A] DE 4014636 A1 19920702 - LINDLMAIR THOMAS [DE]
- [A] FR 1390824 A 19650226 - BREVETS AERO MECANIKUES
- [A] PATENT ABSTRACTS OF JAPAN vol. 008, no. 230 (M - 333) 23 October 1984 (1984-10-23)

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

DOCDB simple family (publication)  
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