

Title (en)  
Vane pump with capacity control

Title (de)  
Mengenregelbare Flügelzellenpumpe

Title (fr)  
Pompe à palettes à déplacement variable

Publication  
**EP 1043503 B1 20031203 (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)

Cited by  
EP1225337A3; DE102010022677B4; CN112664447A; DE102006061326B4; FR2833048A1; DE102006061326A1; DE102010022677A1; WO2011150917A2; US8998594B2; WO03069161A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 1043503 A2 20001011**; **EP 1043503 A3 20020327**; **EP 1043503 B1 20031203**; DE 19915738 A1 20001012; DE 50004613 D1 20040115

DOCDB simple family (application)  
**EP 00105640 A 20000316**; DE 19915738 A 19990408; DE 50004613 T 20000316