

Title (en)  
Vane pump with capacity control

Title (de)  
Mengenregelbare Zellenpumpe

Title (fr)  
Pompe à palettes à déplacement variable

Publication  
**EP 1225337 B1 20041222 (DE)**

Application  
**EP 02001230 A 20020117**

Priority  
DE 10102531 A 20010120

Abstract (en)  
[origin: EP1225337A2] The regulating device includes a control ring (2) movable in the housing (1) and provided with a bearing eye (6) which is mounted positively for swivel movement in a bearing (7) in the housing. A regulating lever (9) loaded by a resetting spring supported in the housing is mounted on the ring opposite the eye or on the eye opposite the ring and projects into a regulating chamber (10) where it adjoins a regulating piston (8). The piston is loaded on one side by a control pressure spring and on the other side by the control pressure which produces the regulating force on the pressure biased surface of the piston.

IPC 1-7  
**F04C 2/46**; F04C 15/04

IPC 8 full level  
**F04C 2/348** (2006.01); **F04C 2/46** (2006.01); **F04C 14/22** (2006.01)

CPC (source: EP)  
**F04C 2/332** (2013.01); **F04C 2/348** (2013.01); **F04C 2/46** (2013.01); **F04C 14/226** (2013.01)

Cited by  
DE102006061326A1; CN105736362A; CN106884792A; DE102009004456B4; CN108612653A; CN100406735C; DE10352254B3; DE102006061326B4; US8230975B2; WO2005047703A1; WO2009014651A1; US7438543B2; EP2206924A2; DE102009004456A1; US8439650B2; WO2006087151A1; WO2009014661A1; WO2004038224A1; WO2012113488A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 1225337 A2 20020724**; **EP 1225337 A3 20031015**; **EP 1225337 B1 20041222**; AT E285522 T1 20050115; DE 10102531 A1 20020725; DE 50201817 D1 20050127

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