

Title (en)  
A VARIABLE VOLUME DEVICE AND SYSTEM THEREFOR

Title (de)  
VERDRÄNGERMASCHINE UND SYSTEM DAFÜR

Title (fr)  
DISPOSITIF A VOLUME VARIABLE ET SYSTEME ASSOCIE

Publication  
**EP 1222365 A4 20040526 (EN)**

Application  
**EP 00954171 A 20000825**

Priority

- AU 0001014 W 20000825
- AU PQ242399 A 19990825
- AU PQ242299 A 19990825
- AU PQ449699 A 19991207
- AU PQ530200 A 20000127
- AU PQ544000 A 20000207
- AU PQ543900 A 20000207

Abstract (en)  
[origin: WO0114693A1] A rotary device having at least one variable volume cavity (16); the volume of said cavity (16) varying cyclically during operation of said device; said variable volume cavity (16) comprised of an unswept volume portion (17); the volume of said unswept portion (17) remaining at a predetermined constant volume during each cycle of operation of said device; said variable volume cavity further including a swept volume portion (18); the volume of said swept volume portion (18) varying cyclically from zero volume to a predetermined maximum volume during each cycle of operation of said device; said device including first independent set point means (19) to set the volume of said unswept volume portion (17); said device including second independent set point means (20) to set said predetermined maximum volume of swept volume portion (18).

IPC 1-7  
**F01C 3/06**; **F04C 3/06**; **F04C 18/54**; **F02B 55/02**; **F02B 55/00**; **F02B 53/08**; **F02B 53/00**

IPC 8 full level  
**F01C 3/06** (2006.01); **F01C 3/02** (2006.01); **F01C 9/00** (2006.01); **F02B 55/00** (2006.01); **F04C 18/54** (2006.01); **F02B 53/00** (2006.01)

CPC (source: EP)  
**F01C 3/02** (2013.01); **F01C 9/002** (2013.01); **F02B 55/00** (2013.01); **F02B 53/00** (2013.01); **Y02T 10/12** (2013.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 0114693A1

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)  
**WO 0114693 A1 20010301**; **WO 0114693 B1 20010712**; CN 1382244 A 20021127; EP 1222365 A1 20020717; EP 1222365 A4 20040526; JP 2003507630 A 20030225

DOCDB simple family (application)  
**AU 0001014 W 20000825**; CN 00814768 A 20000825; EP 00954171 A 20000825; JP 2001518543 A 20000825