

Title (en)
IMPROVEMENTS IN DRY PUMPS

Title (de)
VERBESSERUNGEN BEI TROCKENPUMPEN

Title (fr)
AMELIORATIONS DANS UNE POMPE DESAMORCEE

Publication
EP 1687540 A1 20060809 (EN)

Application
EP 04798386 A 20041104

Priority

- GB 2004004660 W 20041104
- GB 0326061 A 20031110
- GB 0405317 A 20040309
- GB 0406142 A 20040318

Abstract (en)
[origin: WO2005047706A1] A screw pump comprises a pair of rotors (92, 94) each carrying an external screw thread (96, 98), the pair of rotors being rotatably mounted in a stator (72) and arranged such that, in operation, the screw threads of the rotors intermesh as the rotors rotate in opposing directions. Means (100, 102) are provided for actively controlling the axial position of the rotors within the stator during use of the pump.

IPC 8 full level
F04C 18/16 (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP US)
F04C 18/16 (2013.01 - EP US); **F04C 29/0028** (2013.01 - EP US); **F04C 29/0092** (2013.01 - EP US); **F04C 2220/12** (2013.01 - EP US); **F04C 2250/201** (2013.01 - EP US); **F04C 2270/17** (2013.01 - EP US)

Citation (search report)
See references of WO 2005047706A1

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

DOCDB simple family (publication)
WO 2005047706 A1 20050526; EP 1687540 A1 20060809; JP 2007510856 A 20070426; US 2007196228 A1 20070823

DOCDB simple family (application)
GB 2004004660 W 20041104; EP 04798386 A 20041104; JP 2006538925 A 20041104; US 57854604 A 20041104