

Title (en)
Rotary pump

Title (de)
Rotationspumpe

Title (fr)
Pompe rotative

Publication
EP 0859152 A3 20000223 (EN)

Application
EP 98301015 A 19980211

Priority
GB 9702852 A 19970212

Abstract (en)
[origin: EP0859152A2] Traditionally the pump inlet and outlet ports are in a horizontal orientation. However, for some applications the ports of the pump are required to be in a vertical orientation. A rotary pump assembly 1 comprises a rotary pump 2 and pump mounting means 4. The rotary pump 2 comprises a rotor containing assembly 6 and a gear containing assembly 8. The rotor containing assembly 6 comprises a pair of inter-engaging piston/lobe rotors 10, 12 mounted for contra-rotation within a rotor case portion 7 about substantially parallel axes 13, 14; the rotor case portion is formed with an inlet port 9 and an outlet port 11 and comprises a circular cover plate 111. Substantially parallel shafts 15, 16 also mounted for rotation about the axes 13, 14 respectively, are connected to the respective rotors 10, 12. The rotors 10, 12 are secured on to the respective shafts 15, 16 by clamping/retaining nuts 17, 18. The shafts 15, 16 extend from the rotor containing assembly 6 along the axes 13, 14 through the mounting means 4 and into the gear containing assembly 8. <IMAGE>

IPC 1-7
F04C 2/12

IPC 8 full level
F04C 15/00 (2006.01)

CPC (source: EP)
F04C 15/00 (2013.01); **F04C 2230/60** (2013.01); **F04C 2240/30** (2013.01)

Citation (search report)
• [XA] GB 2115491 A 19830907 - MAAG ZAHNRAEDER & MASCHINEN AG
• [X] DE 323017 C 19200713 - ALBERT PATZIG

Cited by
EP1892417A3; US12060882B2; US7857607B2

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

DOCDB simple family (publication)
EP 0859152 A2 19980819; EP 0859152 A3 20000223; GB 9702852 D0 19970402

DOCDB simple family (application)
EP 98301015 A 19980211; GB 9702852 A 19970212