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(54) Rotary pump

(57) 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.

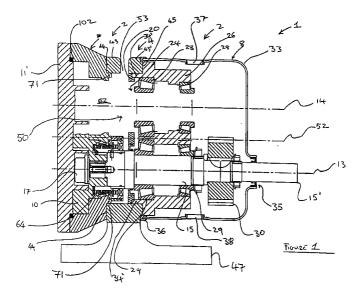
The rotor containing assembly 6 comprises a pair of inter-engaging piston/lobe rotors 10, 12 mounted for contra-rotation within a rotor case portion 7 about sub-

stantially 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.





EUROPEAN SEARCH REPORT

Application Number EP 98 30 1015

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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