

Title (en)
N/N +1 LOBED ROTARY FLUID PUMPS

Publication
EP 0072636 A3 19830309 (EN)

Application
EP 82303950 A 19820727

Priority
GB 8124995 A 19810815

Abstract (en)
[origin: EP0072636A2] In an N, N+1 lobe type pump, dirt clearances are provided at the bases of the interlobe roots 22 of the annulus 14 and the shaping and dimensioning of the inner rotor and annulus are such that elsewhere there is a normal running clearance at the zones of drive contact between the two rotors. To prevent the creation of excessive clearances in the positions of full mesh especially at position D, the inner rotor 10 and annulus 14 are conjugate (as defined) such that at positions B and D normal running clearances are maintained.

IPC 1-7
F04C 2/10

IPC 8 full level
F04C 2/08 (2006.01)

CPC (source: EP)
F04C 2/084 (2013.01)

Citation (search report)

- [X] GB 2047349 A 19801126 - GILARDINI SPA
- [X] US 1486836 A 19240311 - EBENEZER HILL
- [Y] GB 1233376 A 19710526
- [Y] US 3824047 A 19740716 - MC DERMOTT H
- [Y] GB 958779 A 19640527 - ROBERT WESLEY BRUNDAGE
- [A] US 3126833 A 19640331
- [A] DD 106219 A1 19740605
- [A] US 1682563 A 19280828 - HILL MYRON F
- [A] US 2031888 A 19360225 - HILL MYRON F
- [A] US 3273502 A 19660920 - MARTZ ROGER G
- [A] US 3361074 A 19680102 - OTTO ECKERLE
- [A] US 3536426 A 19701027 - ALBRECHT CLIFFORD C, et al

Cited by
EP0218806A1; EP0173778A1; WO2004038223A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0072636 A2 19830223; EP 0072636 A3 19830309; ES 514979 A0 19831016; ES 8400180 A1 19831016; GB 2104153 A 19830302; GB 2104153 B 19840830

DOCDB simple family (application)
EP 82303950 A 19820727; ES 514979 A 19820813; GB 8124995 A 19810815