

Title (en)

N/N +1 lobed rotary fluid pumps.

Title (de)

Fluidumdrehkolbenpumpen mit N/N +1 Zähnen.

Title (fr)

Pompes rotatives à fluide à N/N +1 lobes.

Publication

EP 0072636 A2 19830223 (EN)

Application

EP 82303950 A 19820727

Priority

GB 8124995 A 19810815

Abstract (en)

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

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CPC (source: EP)

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Cited by

EP0218806A1; EP0173778A1; WO2004038223A1

Designated contracting state (EPC)

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EP 0072636 A2 19830223; EP 0072636 A3 19830309; ES 514979 A0 19831016; ES 8400180 A1 19831016; GB 2104153 A 19830302; GB 2104153 B 19840830

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