

Title (en)
ROTARY POSITIVE DISPLACEMENT MECHANISM

Publication
EP 0148823 B1 19881123 (EN)

Application
EP 83902488 A 19830630

Priority
US 8300993 W 19830630

Abstract (en)
[origin: WO8500405A1] A device having a power rotor (3) and a seal rotor (10) which have coincident center points. The power rotor (3) rotates in a plane which is perpendicular to that within which the seal rotor (10) rotates. The power rotor (3) has a rotor body (5) to which are attached a plurality of outwardly extending vanes (6). The seal rotor (10) has a rim gear (13) to which are attached a plurality of inwardly extending vanes (15). The power rotor vanes (6) and the seal rotor vanes (15) interdigitate upon rotation of the rotors to define two variable volume chambers (24, 25). The power rotor vanes (6) and the seal rotor vanes (15) are designed and constructed to insure a close mesh during such interdigitation and means are provided for adjusting the position of the power rotor vanes (6) relative to the seal rotor vanes (15) to insure proper interdigitation.

IPC 1-7
F01C 3/02

IPC 8 full level
F01C 3/02 (2006.01); **F02C 3/02** (2006.01)

CPC (source: EP)
F01C 3/02 (2013.01)

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

DOCDB simple family (publication)
WO 8500405 A1 19850131; AT E38875 T1 19881215; DE 3378541 D1 19881229; EP 0148823 A1 19850724; EP 0148823 A4 19860107; EP 0148823 B1 19881123; JP S60501716 A 19851011

DOCDB simple family (application)
US 8300993 W 19830630; AT 83902488 T 19830630; DE 3378541 T 19830630; EP 83902488 A 19830630; JP 50252083 A 19830630