

Title (en)  
ROTARY POSITIVE DISPLACEMENT MECHANISM.

Title (de)  
DREHKOLBENVERDRÄNGUNGSANLAGE.

Title (fr)  
MECANISME ROTATIF A DEPLACEMENT POSITIF.

Publication  
**EP 0148823 A4 19860107 (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)  
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Citation (search report)

- [A] US 3208437 A 19650928 - COULTER GEORGE M
- See references of WO 8500405A1

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