

Title (en)
INTERNAL AXIS ROTARY PISTON MACHINE

Publication
EP 0290864 B1 19911016 (DE)

Application
EP 88106729 A 19880427

Priority
DE 3716083 A 19870514

Abstract (en)
[origin: JPS64303A] PURPOSE: To achieve low-cost production while assuming a simple construction by making the bottom extending by a penetrating shaft for the construction of a casing, pot-shaped and on the bottom, supporting the end of an outer rotor which is in meshing engagement with an inner rotor, through a bearing. CONSTITUTION: Inside a pot-shaped casing 2, an inner rotor 8 is arranged which is rotary-supported by a shaft 12 pivoting by way of a belt pulley 20 penetrating the bottom 4 of the casing 2. Further, inside the casing 2, an outer rotor 26 is arranged and a rotor disc 36 provided at one end, is supported by the outer rotor 26 in such a manner as to pivot freely on a bearing 30 provided on a ring-like part 28 of the bottom 4 and a rotor ring 38 provided at the other end of the rotor 26, is also supported in such a manner as to pivot freely on a bearing 32 provided in a casing cap 6. Within the rotor ring 38 an inner toothed wheel 42 is fixed with which a pinion 44 fixed to the shaft 12 of the inner rotor 8, is in meshing engagement.

IPC 1-7
F01C 1/10

IPC 8 full level
E04H 9/00 (2006.01); **E04H 9/08** (2006.01); **F01C 1/10** (2006.01); **F01C 20/26** (2006.01)

CPC (source: EP US)
F01C 1/103 (2013.01 - EP US); **F01C 20/26** (2013.01 - EP US)

Citation (examination)
• EP 0178392 A1 19860423 - BOSCH GMBH ROBERT [DE]
• WO 8701760 A1 19870326 - SUNDSTRAND CORP [US]

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DE4310621C2; DE3911541C1; DE3911540C1; EP0392230A3

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

DOCDB simple family (publication)
EP 0290864 A2 19881117; EP 0290864 A3 19890712; EP 0290864 B1 19911016; AT E68557 T1 19911115; BR 8802326 A 19881213; CN 1010793 B 19901212; CN 1030961 A 19890208; CS 324988 A3 19920812; DE 3716083 A1 19881124; DE 3865516 D1 19911121; JP S64303 A 19890105; US 4943213 A 19900724; YU 92188 A 19901231

DOCDB simple family (application)
EP 88106729 A 19880427; AT 88106729 T 19880427; BR 8802326 A 19880512; CN 88102824 A 19880514; CS 324988 A 19880513; DE 3716083 A 19870514; DE 3865516 T 19880427; JP 11676488 A 19880513; US 19454588 A 19880516; YU 92188 A 19880512