

Title (en)
INTERNAL AXIS ROTARY PISTON MACHINE

Publication
EP 0167846 B1 19900328 (DE)

Application
EP 85107098 A 19850608

Priority
CH 282284 A 19840612

Abstract (en)
[origin: US4714417A] An internal axis single-rotation machine, wherein an external rotor and an internal rotor are mounted for intermeshing rotation about their own centers of gravity at different angular velocities within a casing and wherein two pairs of radially external sealing corner areas on the internal rotor kinematically describe internal lateral faces which define recesses in the external rotor and wherein internal sealing corner areas on the external rotor kinematically describe external peripheral faces on the internal rotor, the rotors being arranged in cooperating rotative relationship such that a meshing gear-like contact is maintained between internal lateral faces of the external rotor and lateral faces of the internal rotor.

IPC 1-7
F01C 1/10; **F01C 21/16**

IPC 8 full level
F01C 1/10 (2006.01); **F01C 20/14** (2006.01)

CPC (source: EP US)
F01C 1/103 (2013.01 - EP US); **F01C 20/14** (2013.01 - EP US)

Citation (examination)
• US 1753476 A 19300408 - RICHER JOSEPH R
• DE 2456252 A1 19760610 - KERNFORSCHUNGSANLAGE JUELICH

Cited by
EP0568493A3; DE3717346A1; EP0337950A3; FR2634820A1

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

DOCDB simple family (publication)
EP 0167846 A1 19860115; **EP 0167846 B1 19900328**; AT E51432 T1 19900415; CH 664423 A5 19880229; DE 3432915 A1 19851212; DE 3432915 C2 19870102; DE 3576839 D1 19900503; JP H0612045 B2 19940216; JP S614802 A 19860110; US 4714417 A 19871222; US 4801255 A 19890131

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