

Title (en)  
INTERNAL-AXIS ROTARY-PISTON MACHINE WITHOUT CRANK-SHAFT

Publication  
**EP 0087747 A3 19840509 (DE)**

Application  
**EP 83101746 A 19830223**

Priority  
CH 130282 A 19820303

Abstract (en)  
[origin: US4540356A] An internal axis crankless rotary piston engine with an internal rotor and an external rotor mounted eccentrically to one another, with a circularly curved path of the external rotor mounting surrounding an internal rotor shaft, wherein the path of an external rotor bearing is mounted by a plurality of bearings which are spaced from one another in the direction of movement and which are fixed relative to the geometrical axis of the internal rotor shaft.

IPC 1-7  
**F01C 1/10**

IPC 8 full level  
**F01C 1/02** (2006.01); **F01C 1/08** (2006.01); **F01C 1/10** (2006.01); **F01C 17/00** (2006.01); **F01C 17/02** (2006.01); **F01C 19/00** (2006.01); **F01C 21/00** (2006.01); **F01C 21/02** (2006.01); **F01C 21/04** (2006.01); **F01C 21/06** (2006.01); **F01C 21/08** (2006.01); **F02B 33/36** (2006.01); **F02B 37/00** (2006.01); **F02B 53/00** (2006.01); **F04C 18/10** (2006.01)

CPC (source: EP US)  
**F01C 1/104** (2013.01 - EP US); **F01C 21/008** (2013.01 - EP US); **F01C 21/02** (2013.01 - EP US); **F04C 18/10** (2013.01 - EP US)

Citation (search report)  
• [AD] US 3954355 A 19760504 - PAUL JR HERMAN L  
• [A] US 3905727 A 19750916 - KILMER JOHN B  
• [A] FR 1556302 A 19690207  
• [A] DE 2456252 A1 19760610 - KERNFORSCHUNGSANLAGE JUELICH  
• [A] DE 1961134 B1 19710408 - KLOECKNER HUMBOLDT DEUTZ AG

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AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0087747 A2 19830907; EP 0087747 A3 19840509; EP 0087747 B1 19860521**; AT E19900 T1 19860615; CH 664193 A5 19880215; DE 3363572 D1 19860626; EP 0087746 A1 19830907; JP H0325602 B2 19910408; JP S58180701 A 19831022; JP S58180724 A 19831022; JP S58180728 A 19831022; US 4540356 A 19850910

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