

Title (en)
ROTARY INTERNAL COMBUSTION ENGINE

Title (de)
ROTIERENDE BRENNKRAFTMASCHINE

Title (fr)
MOTEUR ROTATIF À COMBUSTION INTERNE

Publication
EP 3964688 A4 20230405 (EN)

Application
EP 20923043 A 20200527

Priority

- ES 2020000029 W 20200527
- ES 201900235 U 20190429
- ES 202000192 U 20200309

Abstract (en)
[origin: EP3964688A2] The internal combustion rotary engine consists of two or more interconnected cylindrical chambers, inside which some elliptical cylindrical rotors rotate, or cylindrical rotors with elliptical lobes or teeth, which mesh or interrelated with the rotors, or with the lobes. or teeth of the rotors, contiguous or with cavities arranged around them, but maintaining a separation between them and their casings of between 0.2 and 3mm. approximately, driven synchronously by gears or toothed belts. With conical, axial or mixed bearings, stepped support shafts, and seals between the joints of the casings and of these with the shafts. The rotors or lobes of the cylindrical rotors drag and compress the air drawn in and trapped between said rotors or lobes and the main chamber casing, discharging it into the combustion chamber. The shafts can form a single piece with their rotors.

IPC 8 full level
F01C 1/12 (2006.01); **F01C 11/00** (2006.01); **F01C 21/08** (2006.01)

CPC (source: EP)
F01C 1/123 (2013.01); **F01C 11/004** (2013.01); **F01C 21/08** (2013.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2021176110A2

Designated contracting state (EPC)
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