

Title (en)
Rotary engine.

Title (de)
Drehkolbenmotor.

Title (fr)
Moteur rotatif.

Publication
EP 0424104 A1 19910424 (EN)

Application
EP 90311339 A 19901016

Priority
• JP 4213290 A 19900222
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Abstract (en)
The present invention relates to a rotary engine (1) wherein the inside radius of part (3) of a housing (2) having cylinder-like inside wall is enlarged so as to form part of a concentric circle of the circle formed by the inside wall and a suction chamber (4) and a combustion chamber (5) are formed, the capacity of the suction chamber is larger than the capacity of the combustion chamber, explosion energy can be effectively transformed, a rotor (6) does a circular rotation movement directly by the explosion energy, and explosion at an inappropriate time is prevented, so that fuel consumption is substantially saved and improved and effective and smooth driving force can be obtained.

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F01C 1/3446 (2013.01 - EP); **F01C 21/0863** (2013.01 - EP); **F01D 11/00** (2013.01 - KR)

Citation (search report)
• [X] GB 1573552 A 19800828 - RAE W L S
• [X] GB 2094890 A 19820922 - COLLIER PHILIP HARRY, et al
• [Y] GB 205904 A 19231029 - HARRY CLARENCE PHILLIPS
• [A] DE 2855567 A1 19800626 - DUESTERLOH GMBH
• [A] DE 1914222 A1 19701001 - LANGEN & CO
• [A] US 2752893 A 19560703 - MATHEW OLESKOW

Cited by
FR2809453A1; US5653398A; ES2111422A1; WO2004068001A1; WO9535227A1

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