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(54) **Gas engine with rotating blades.**

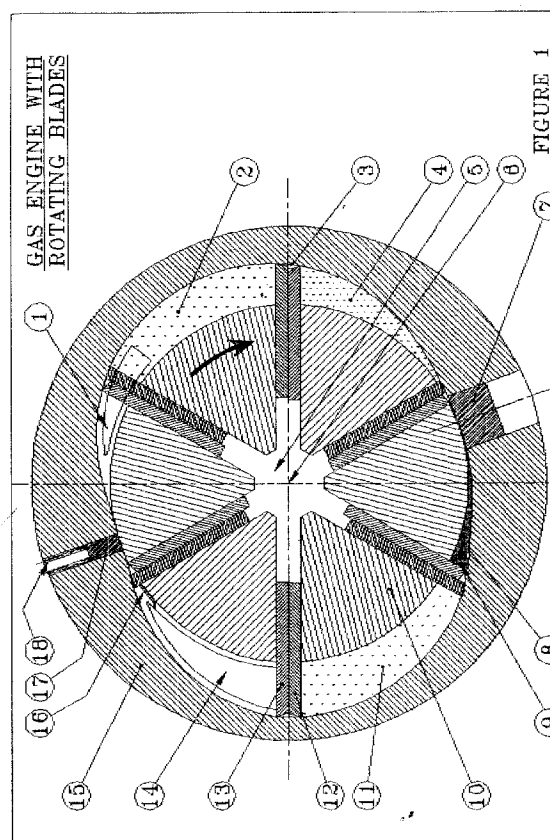
(57) The invention consists in an internal combustion engine (or gas engine) shaped by an internal profiled static ring where run blades (or segments) driven by a central rotor connected by a slip fit.

The lateral surfaces of the ring are connected to seal flanges where the driving shaft connected to the central rotor comes through.

During rotation, the blades provide for volume variation necessary to absorb the strokes : i.e. inlet, compression, firing and exhaust.

Figure 1 of the attached drawing shows how it works.

The applications fields are all those where it is possible to employ a gas engine, for example : motor car, aero-engine, naval, agricultural industries, etc.





European Patent
Office

PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 94 83 0548
shall be considered, for the purposes of subsequent
proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	US-A-3 952 709 (RIDDEL) * the whole document * ---	2-21	F01C1/344
X	US-A-2 960 075 (PHILLIPS) * the whole document * ---	2-21	
X	FR-A-797 578 (RIGNAULT) * the whole document * ---	2-21	
X	FR-A-627 392 (BLOCH) * the whole document * ---	2-21	
X	FR-A-2 273 947 (HOGARTH) * the whole document * ---	2-21	
X	GB-A-1 427 038 (GARTON) * the whole document * ---	2-21	
X	DE-A-20 43 099 (RIZZA) * the whole document * ---	2-21	
X	DE-A-30 04 676 (ECONO-MO-SYSTEMS E. SCHERF) * the whole document * ---	2-21	F01C
-/--			
INCOMPLETE SEARCH			
The Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims Claims searched completely: Claims searched incompletely: Claims not searched: Reason for the limitation of the search: see sheet C			
Place of search THE HAGUE		Date of completion of the search 13 March 1995	Examiner Dimitroulas, P
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 01.82 (P04C07)

PARTIAL EUROPEAN SEARCH REPORT

Application Number
EP 94 83 0548

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	DE-A-22 56 397 (BIEBER) * the whole document * ---	2-21	
A	DE-A-23 16 529 (LUGAUER) * the whole document * -----	2-21	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)



EP 94 83 0548

- C -

INCOMPLETE SEARCH

Claims searched completely : 2,8-12
Claims searched incompletely : 3-7,13-21
Claim not searched : 1

Reason : Lack of concisness and ready comprehensibility
of the claims. Use of expressions like "based
on a new working principle" and "not binding"
or "external fastener" in claim 3 are too vague.