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54 Internal combustion engine with two reciprocating rotating pistons.

57 Internal combustion engine, comprising two pistons (2) of cylindrical form, whose basement is shaped in a screw driver like tip, whereas a round hole is provided at their centre. The pistons are placed within two linearly aligned cylinders, which have a basement being provided with a cylindrical shaft (16) which passes through the hole of the piston (2), whereas a ring (17), tangential to the edges of the piston has a cross section assimilating two joined triangles with rounded corners. The cylinder (1) is provided with the holes of introduction (9) and discharge of the fuel (10), whereas a spark plug (11) is provided onto the ring (17). The pistons (2) are provided with recessions (14) to accommodate the tightness springs, as well as with holes (12) for the lubrication of the cylindrical shaft (16). The upper part of the pistons is connected with a common shaft (3) at the ends, being fixedly mounted via nuts (4) and guides (5). The shaft (3) is provided with guides (6) and slides within a gear (7). The gear (7) is stabilized by other gears (8) which rotate within bearings (15). The cylinders (1) and the bearings (15) are mounted onto a basement (13). Sliding means (12) are also provided, being based at the upper part of the pistons (2) and moving in the same way as the edges of the pistons (2) at the upper shaped part of cylinders (1). The edges of the pistons (2) and the mounted corners of the rings (17) are inclined or not. The rotating pistons more upwardly-downwardly, thereby

performing the 4-stroke operation.

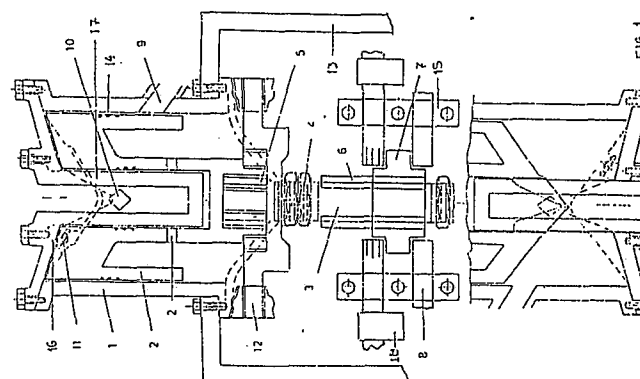


FIG. 1



European Patent
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EUROPEAN SEARCH REPORT

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EP 88 60 0013

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.4)
A	US-A-1 613 136 (SCHIEFFELIN) * Page 1, lines 1-110 * ---	1,2	F 02 B 75/28 F 01 B 3/08
A	US-A-3 396 709 (ROBICHEAUX) * Figure 5; column 3, lines 7-53 * ---	1,2,3	
A	DE-C- 501 342 (SEIFERT) * Figure 1; page 2, lines 78-110 * -----	1,2	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			F 02 B F 01 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10-04-1989	Examiner WASSENAAR G.
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	