

Title (en)  
INTERNAL COMBUSTION ENGINE WITH TWO RECIPROCATING ROTATING PISTONS

Publication  
**EP 0314604 A3 19890712 (EN)**

Application  
**EP 88600013 A 19881014**

Priority  
• GR 870101665 A 19871030  
• GR 870102038 A 19871229

Abstract (en)  
[origin: EP0314604A2] 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.

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**F02B 75/28**; **F01B 3/08**

IPC 8 full level  
**F01B 3/08** (2006.01); **F02B 75/28** (2006.01); **F02B 1/04** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)  
**F01B 3/08** (2013.01); **F02B 75/28** (2013.01); **F02B 1/04** (2013.01); **F02B 2075/027** (2013.01)

Citation (search report)  
• [A] US 1613136 A 19270104  
• [A] US 3396709 A 19680813 - ROBICHEAUX WARREN J  
• [A] DE 501342 C 19300701 - JULIUS SEIFERT

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**EP 0314604 A2 19890503**; **EP 0314604 A3 19890712**; AU 2455488 A 19890504

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