

Title (en)

A RECIPROCAL INTERNAL COMBUSTION ENGINE

Publication

EP 0284430 A3 19890719 (EN)

Application

EP 88302702 A 19880325

Priority

US 3147587 A 19870326

Abstract (en)

[origin: EP0284430A2] In an internal combustion engine (20) the centre line (26) of each cylinder (22) is offset from the rotational axis (17) of the crankshaft (23) in the direction of rotation. The resulting altered piston timing provides earlier effective torque during the power stroke, inherent suppression of premature detonation or knocking, increased volumetric and mechanical efficiency, lower thrust loading on the cylinder walls, and decreased vibration.

IPC 1-7

F02B 75/32; **F02B 41/00**

IPC 8 full level

F01B 1/00 (2006.01); **F02B 41/00** (2006.01); **F02B 75/32** (2006.01); **F02F 7/00** (2006.01)

CPC (source: EP)

F02B 41/00 (2013.01); **F02B 75/32** (2013.01); **F02F 7/0019** (2013.01)

Citation (search report)

- [X] GB 1133618 A 19681113 - HENRY JOHN MARTIN CLARK
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