

Title (en)
ROCKING PISTON MACHINE

Title (de)
PENDELKOLBENMASCHINE

Title (fr)
MACHINE A PISTON PENDULAIRE

Publication
EP 0390882 B1 19960515 (DE)

Application
EP 89909535 A 19890907

Priority
• CH 8900165 W 19890907
• CH 334888 A 19880907

Abstract (en)
[origin: WO9002867A1] A reciprocating piston engine with a cylinder crankcase (5) with curved cylinder walls (4) and a circular internal cross-section has a reciprocating piston (7) with integrated connecting rod shaft (8) and a circular connecting rod eye (9) which acts as a counterweight. This allows the centre (1) of the piston to trace curves of given shape, which results in a floating movement of the reciprocating piston (7) with very small lateral forces. The larger lateral amplitudes which result require special sealing strips (14) with corresponding pressure springs (15).

IPC 1-7
F01B 9/02; **F02F 1/18**; **F02F 3/00**

IPC 8 full level
F01B 9/02 (2006.01); **F02F 1/18** (2006.01); **F02F 3/00** (2006.01)

CPC (source: EP)
F01B 9/026 (2013.01); **F02F 1/183** (2013.01); **F02F 3/0023** (2013.01); **F01B 2011/005** (2013.01); **F02F 2200/04** (2013.01); **F05C 2201/0448** (2013.01)

Citation (examination)
CH 629286 A5 19820415 - SALZMANN WILLI ERNST [CH]

Cited by
CN103742392A; US2015345372A1; US9695739B2; US8206137B2

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