

Title (en)
PISTON COMBUSTION ENGINE

Publication
EP 0288096 A3 19900207 (EN)

Application
EP 88200499 A 19880317

Priority
DE 8705785 U 19870421

Abstract (en)
[origin: EP0288096A2] Piston combustion engine (1) comprising an engine block with at least one cylinder (2), a cylinder head (3) provided with inlet and exhaust channels (4,5) and closing off said cylinder at one end, and a piston (9) accommodated in said cylinder which is guided reciprocally between a top dead centre close to said cylinder head (3) and a bottom dead centre at a stroke length therefrom, said piston (9) bearing a number of piston rings (12) that are in sliding contact with the inner wall (13) of said cylinder (2). At least a portion (15) of said inner wall (13) of said cylinder (2) between said cylinder head (3) and the level of the uppermost piston ring (12) at the top dead centre of said piston, has a greater surface roughness relative to that of the surface of the peripheral wall (17) of said piston (9) above the uppermost piston ring (12).

IPC 1-7
F02F 1/18; **F02F 1/20**

IPC 8 full level
F02F 1/00 (2006.01); **F02F 1/18** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)
F02F 1/18 (2013.01); **F02B 3/06** (2013.01); **F02F 2001/006** (2013.01)

Citation (search report)
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• [X] EP 0215511 A1 19870325 - KOLBENSCHMIDT AG [DE]
• [X] DE 3530875 A1 19870305 - MAK MASCHINENBAU KRUPP [DE]
• [A] EP 0063258 A1 19821027 - MAHLE GMBH [DE]

Cited by
US9359971B2; WO2013037063A1; WO2021219221A1

Designated contracting state (EPC)
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DE 8705785 U1 19880818; EP 0288096 A2 19881026; EP 0288096 A3 19900207; FI 881791 A0 19880418; FI 881791 A 19881022; JP S63280841 A 19881117; NO 881708 D0 19880420; NO 881708 L 19881024

DOCDB simple family (application)
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