

Title (en)

PISTON CROWN FOR AN INTERNAL COMBUSTION ENGINE

Publication

EP 0064831 B1 19851023 (EN)

Application

EP 82302122 A 19820426

Priority

JP 6516981 U 19810507

Abstract (en)

[origin: EP0064831A2] The invention concerns a piston crown for an i.c. engine piston of the kind having an annular support skirt which projects from an inner surface of the head wall of said crown with its free edge providing a butt surface for engaging the associated piston rod. A disadvantage with known crowns of this kind is that there is a tendency for fretting, and hence wear, to take place at the point where said butt surface engages the piston rod, and an object of the invention is to overcome this disadvantage. The invention is characterised in that the inner diameter (D1) of said annular support skirt (02a) of the crown (01) at a point adjacent the inner surface (06) of said head wall (05) is larger than the inner diameter (D1) thereof at a point where its butt surface (07) engages the head surface (3a) of said piston rod (03). If appropriate at least two annular support skirts (02a, 014) may be provided in radially juxtaposed relationship.

IPC 1-7

F02F 3/22; **F01P 3/10**

IPC 8 full level

F01P 3/10 (2006.01); **F02F 3/00** (2006.01); **F02F 3/22** (2006.01)

CPC (source: EP)

F01P 3/10 (2013.01); **F02F 3/0023** (2013.01); **F02F 3/22** (2013.01)

Cited by

EP3301284A1; US7997249B2; WO2007135534A3

Designated contracting state (EPC)

CH DE FR GB LI NL SE

DOCDB simple family (publication)

EP 0064831 A2 19821117; **EP 0064831 A3 19830629**; **EP 0064831 B1 19851023**; **EP 0064831 B2 19900131**; DE 3266992 D1 19851128; DK 151144 B 19871109; DK 151144 C 19880919; DK 196482 A 19821108; JP S57178150 U 19821111

DOCDB simple family (application)

EP 82302122 A 19820426; DE 3266992 T 19820426; DK 196482 A 19820430; JP 6516981 U 19810507