

Title (en)

MORTISE ESPAGNOLETTE WITH TWO LOCKING BARS AND ONE CENTRAL BOLT

Publication

EP 0207869 B1 19881026 (FR)

Application

EP 86440039 A 19860523

Priority

FR 8508705 A 19850606

Abstract (en)

[origin: EP0207869A1] 1. A double acting mortice lock comprising a lock case (2) secured with respect to a cover plate (4) and enclosing a lock mechanism (8) comprising a toothed actuating wheel (9) directly engaging with sets of teeth (14, 15) formed in the end portions (16, 17), disposed on either side of the toothed actuating wheel (9), of two locking bars (6, 7) acting in opposite directions, and the actuating wheel actuating a swinging bolt (19) through a finger (18) fixed with respect to the toothed actuating wheel (9) and engaged between two stop surfaces (24, 25) of the swinging bolt (19), characterized in that the finger (18), fixed for rotation with the toothed actuating wheel (9), performs a free movement during the locking phase, before acting on the swinging bolt (19) through one of the stop surfaces (25), and that at least one of the locking bars (6, 7) includes a striking surface (28) which, in the locked position of the lock (1), is disposed facing at least one ramp (29) fixed with respect to the swinging bolt (19), the striking surface acting on the swinging bolt (19) through the ramp (29) as a result of the rotation of the toothed actuating wheel (9) towards its position corresponding to the opening position of the lock (1).

IPC 1-7

E05C 9/04

IPC 8 full level

E05C 9/04 (2006.01); **E05C 9/12** (2006.01); **F16H 19/04** (2006.01)

CPC (source: EP)

E05C 9/041 (2013.01)

Cited by

EP0698709A1; EP0947653A3; AU687159B2; GB2297355A; GB2297355B; EP0909863A3; FR2722826A1; GB2202267A; GB2202267B; GB2331546A; US2020224468A1; US2020291683A1; US11808057B2; WO9601934A1; WO2005057312A3

Designated contracting state (EPC)

AT BE CH DE GB IT LI NL

DOCDB simple family (publication)

EP 0207869 A1 19870107; **EP 0207869 B1 19881026**; AT E38263 T1 19881115; CA 1281347 C 19910312; DE 3661031 D1 19881201; FR 2583095 A1 19861212; FR 2583095 B1 19891229; JP S6250576 A 19870305

DOCDB simple family (application)

EP 86440039 A 19860523; AT 86440039 T 19860523; CA 510945 A 19860605; DE 3661031 T 19860523; FR 8508705 A 19850606; JP 12932986 A 19860605