

Title (en)

Mortise espagnolette with two locking bars and one central bolt.

Title (de)

Einlassespagnolette mit zwei Treibstangen und Zentralriegel.

Title (fr)

Crémone à larder à double action avec pêne battant.

Publication

EP 0207869 A1 19870107 (FR)

Application

EP 86440039 A 19860523

Priority

FR 8508705 A 19850606

Abstract (en)

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).

Abstract (fr)

Une crémone à larder à double action comportant un pêne battant (19) articulé sur un arbre (20) logé dans le boîtier (2) et étant commandé par un doigt (18) solidaire du fouillot denté (9), ce doigt (18) étant engagé entre deux butées espacées (24, 25) solidaires du pêne battant (19) et qu'au moins une des tringles (6, 7) comporte une surface d'attaque (28) disposée, dans la position verrouillée de la crémone (1), en face d'au moins une rampe (29) solidaire du pêne battant (19) et agissant sur le pêne battant (19) par l'intermédiaire de la rampe (29) dès la rotation du fouillot denté (9) vers sa position correspondant à la position d'ouverture de la crémone (1).

IPC 1-7

E05C 9/04

IPC 8 full level

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CPC (source: EP)

E05C 9/041 (2013.01)

Citation (search report)

- [X] FR 708655 A 19310727 - L DEVILLEZ ET CAMION S A ETS
- [A] FR 391768 A 19081109 - FRANZ WOLFF [CH]

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EP0698709A1; EP0947653A3; AU687159B2; EP0909863A3; GB2297355A; GB2297355B; FR2722826A1; GB2202267A; GB2202267B; GB2331546A; US2020224468A1; US12049772B2; US2020291683A1; US11808057B2; WO9601934A1; WO2005057312A3

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