

Title (en)
A roller shutter locking mechanism

Title (de)
Verriegelungseinrichtung für einen Rolladenpanzer

Title (fr)
Dispositif de verrouillage d'un volet roulant

Publication
EP 0930417 A3 20000802 (EN)

Application
EP 99300287 A 19990115

Priority
GB 9800713 A 19980115

Abstract (en)
[origin: EP0930417A2] The roller shutter locking mechanism comprises a guide rail (2) for the slats (8,10) of the shutter and a blocking unit (6) located in the guide rail (2) which cooperates with the slats (8,10) when the roller shutter is in the closed position. A locking unit (4) extending from the slats (8,10) of the shutter provides the cooperation between the slats (8,10) and the blocking unit (6), the locking unit (4) having a blocking unit (6) engaging position actuated when the shutter is closed and a disengaged position activated by the shutter being raised from above the blocking unit (6). Between the said neighbouring slats (8,10) there is an expandable telescopic connection (44,46,48). The telescopic connection (44,46,48) provides a mechanism whereby the locking bar (16a,16b) can be retracted without simultaneously applying upward pressure thereto. The telescopic expandability of the gap between the neighbouring slats (8,10) is only actuatable by applying upward pressure from a point above the telescopic connection (44,46,48). <IMAGE>

IPC 1-7
E06B 9/86; **E06B 9/165**

IPC 8 full level
E06B 9/165 (2006.01); **E06B 9/86** (2006.01); **E06B 9/80** (2006.01)

CPC (source: EP)
E06B 9/165 (2013.01); **E06B 9/86** (2013.01); **E06B 2009/1583** (2013.01); **E06B 2009/805** (2013.01)

Citation (search report)
• [XY] DE 2140237 A1 19730215 - HARDT WALTER
• [Y] EP 0328770 A2 19890823 - SECCO IND SPA [IT]
• [A] US 4035008 A 19770712 - HARDT WALTER
• [A] US 3850465 A 19741126 - HILL M, et al

Cited by
IT201900012384A1; FR3041988A1; ES2255383A1; GB2410523A; GB2410523B; WO2005089041A3

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0930417 A2 19990721; **EP 0930417 A3 20000802**; GB 2333312 A 19990721; GB 2333312 B 20020828; GB 9800713 D0 19980311

DOCDB simple family (application)
EP 99300287 A 19990115; GB 9800713 A 19980115