

Title (en)

Padlock, with self-blocking dead locking of a bolt element

Title (de)

Langbügelschloss, mit selbsthemmender Verklemmung eines Riegelements

Title (fr)

Cadenas, avec serrage autobloquant d'un élément formant pêne

Publication

EP 0641909 B1 19981111 (DE)

Application

EP 94113245 A 19940824

Priority

DE 4329511 A 19930901

Abstract (en)

[origin: EP0641909A2] In a lock, a lock body (16) has a locking-spindle receptacle (46), into which the locking spindle (14) can be inserted and then locked. For locking the locking spindle, a locking ball (24) engages into a locking surface (26) of the locking spindle (14). The locking ball (24) is held in the locking position by an adjusting element (28), the adjusting element (28) being controlled by a locking device (34). When the blocking device is not blocked, the adjusting element and therefore also the locking ball (24) can shift transversely relative to the locking spindle (14), so that the locking spindle can be pulled easily. In contrast, if the blocking device is blocked, a shift of the locking ball (24) is prevented. The locking ball can then be displaced by the locking spindle (14) in the pull-out direction counter to the elastic resistance of its guide track and comes into self-locking clamping engagement between the locking surface (26) of the locking spindle (14) and an abutment. Reaction forces as the result of high pull-out forces are thereby kept away from the lock furniture. The abutment (50) can be secured on the locking spindle itself. <IMAGE>

IPC 1-7

E05B 67/22; **E05B 67/06**

IPC 8 full level

E05B 67/06 (2006.01); **E05B 67/22** (2006.01)

CPC (source: EP)

E05B 67/063 (2013.01)

Cited by

DE19638188A1; EP1160405A1; US6584815B2; US8839650B2; EP2628667B1

Designated contracting state (EPC)

DE DK ES FR GB NL

DOCDB simple family (publication)

DE 4329511 A1 19950302; DE 59407268 D1 19981217; EP 0641909 A2 19950308; EP 0641909 A3 19950927; EP 0641909 B1 19981111; ES 2124824 T3 19990216; TW 251331 B 19950711

DOCDB simple family (application)

DE 4329511 A 19930901; DE 59407268 T 19940824; EP 94113245 A 19940824; ES 94113245 T 19940824; TW 82107294 A 19930907