Title (en)

Plate element for lock device

Title (de)

Plattenelement für Verriegelungsvorrichtung

Title (fr)

Élément de plaque pour dispositif de verrouillage

Publication

EP 1436475 B2 20121128 (EN)

Application

EP 02773096 A 20020925

Priority

- SE 0201746 W 20020925
- SE 0103247 A 20010928

Abstract (en)

[origin: WO03027422A1] A lock device comprises a plate element (10) having a face plate (11) and a beam (12) attached to the face plate. The face plate is provided with apertures for at least one bolt (13, 14). A lock housing (21, 22) is mounted to the plate element and includes a lock mechanism (30, 40). At least one lock bolt (13; 14) is mounted to the plate element and is arranged for movement between an extended and a retracted position. When retracted, the bolt is sideways essentially surrounded by the beam, which preferably has a U–shaped cross–section. A driving element (14a; 16) is mechanically connected to the bolt and is arranged to be actuated by the lock mechanism. The bolt including the driving arrangement thereof are thereby protected from damage, particularly if the plate element comprises high–strength material. The integration of front functions in the plate element allows for a modularisation of the lock device and thereby fewer parts for stock–keeping and/or a wider range of possible lock devices.

[origin: WO03027422A1] A lock device comprises a plate element 10 having a face plate 11 and a beam 12 attached to the face plate. The face plate is provided with apertures for at least one bolt 13, 14. A lock housing 21, 22 is mounted to the plate element and includes a lock mechanism 30, 40. At least one lock bolt 13 14 is mounted to the plate element and is arranged for movement between an extended and a retracted position. When retracted, the bolt is sideways essentially surrounded by the beam, which preferably has a U-shaped cross-section. A driving element 14a 16 is mechanically connected to the bolt and is arranged to be actuated by the lock mechanism. The bolt including the driving arrangement thereof are thereby protected from damage, particularly if the plate element comprises high-strength material. The integration of front functions in the plate element allows for a modularisation of the lock device and thereby fewer parts for stock-keeping and/or a wider range of possible lock devices.

IPC 8 full level

E05B 9/02 (2006.01); **E05B 63/00** (2006.01); **E05B 63/08** (2006.01); E05B 59/00 (2006.01)

CPC (source: EP)

E05B 9/02 (2013.01); **E05B 63/0056** (2013.01); E05B 59/00 (2013.01); E05B 63/0013 (2013.01)

Citation (opposition)

Opponent :

- DE 2813216 A1 19790927 - VER GLASWERKE GMBH
- US 4012929 A 19770322 - SOLOVIEFF PAUL G
- DE 2705213 A1 19770811 - GKN STENMAN AB
- DE 29819134 U1 19990506 - GRETSCH UNITAS GMBH [DE]
- US 4031725 A 19770628 - REID FLOYD F
- GB 1003545 A 19650908 - ADAMS RITE MFG COMPANY
- US 372962 A 18871108
- US 1518395 A 19241209 - DEXTER LUCIEN A

Cited by

DE102009006497A1; EP2642048A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

Designated extension state (EPC)

LT LV

DOCDB simple family (publication)

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DOCDB simple family (application)

SE 0201746 W 20020925; AT 02773096 T 20020925; AU 2002337556 A 20020925; DE 60225309 T 20020925; DK 02773096 T 20020925; EE P200400081 A 20020925; EP 02773096 A 20020925; NO 20041743 A 20040423; NZ 53188602 A 20020925; SE 0103247 A 20010928