

Title (en)

Key-operated lock assembly for emergency actuation of the button of a handle for doors of trucks, trailers or the like

Title (de)

Schlüsselbetätigte Verriegelungsvorrichtung für Notfallbetätigung des Knopfes einer Handhabe für Lastkraftwagentüren oder ähnliches

Title (fr)

Serrure à clé pour l'actionnement d'urgence d'un bouton d'une poignée pour une porte d'un camion

Publication

EP 1167665 A2 20020102 (EN)

Application

EP 01112923 A 20010605

Priority

IT BO20000086 U 20000620

Abstract (en)

A key-operated lock assembly for emergency actuation of the button (2) of a handle for doors of trucks, trailers or the like, in which the actuation key can be extracted in three positions which lie at 90 degrees to each other and comprises: an outer ring, which is fitted so that it can rotate coaxially with the plug of the key-operated lock in the casing of the handle proximate to the handle locking button, the ring having a perimetric profile which forms a lip (8) which is suitable to block the rotation of the button (2) and a recess which allows the rotation of the button in order to release the handle and an arc-like slot (10) extending substantially through 90 degrees; an electromagnet (12), in which the fixed part is rigidly coupled to the handle casing and the moving element is connected to the outer ring by means of a transmission stem (14); and a circular inner ring (17), which is rigidly coupled to the rotating plug of the lock and is provided with a pin (20) which is rigidly coupled thereto, protrudes from its surface and is suitable to enter the arc-like slot (10) of the outer ring (7); the rotation of the plug being suitable to produce the rotation of the outer ring if the electromagnet fails to operate, the electromagnet being able to move the outer ring to a configuration for locking or releasing the button when the key is extracted in an intermediate position. <IMAGE>

IPC 1-7

E05B 65/16; E05B 13/10; E05B 65/10; E05B 47/06

IPC 8 full level

E05B 13/10 (2006.01); **E05B 65/16** (2006.01); **E05B 27/00** (2006.01); **E05B 47/00** (2006.01); **E05B 47/06** (2006.01)

CPC (source: EP)

E05B 13/10 (2013.01); **E05B 47/0665** (2013.01); **E05B 81/90** (2013.01); **E05B 83/10** (2013.01); **E05B 27/0085** (2013.01); **E05B 47/0004** (2013.01)

Cited by

FR2868802A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1167665 A2 20020102; **EP 1167665 A3 20030312**; **EP 1167665 B1 20041006**; AT E278858 T1 20041015; DE 60106136 D1 20041111; DE 60106136 T2 20060309; ES 2228693 T3 20050416; IT 251125 Y1 20031104; IT BO20000086 U1 20011220; IT BO20000086 V0 20000620; NO 20013065 D0 20010620; NO 20013065 L 20011221

DOCDB simple family (application)

EP 01112923 A 20010605; AT 01112923 T 20010605; DE 60106136 T 20010605; ES 01112923 T 20010605; IT BO20000086 U 20000620; NO 20013065 A 20010620