

Title (en)

Remote controlled locking device for doors of trucks, trailers and the like

Title (de)

Fernsteuerbarer Schloss für Türen von Lastwagen, Anhänger oder dergleichen

Title (fr)

Dispositif de verrouillage telecommandé pour des portes de camions, de remorques ou similaires

Publication

EP 1550785 A1 20050706 (EN)

Application

EP 04106804 A 20041221

Priority

IT BO20030791 A 20031230

Abstract (en)

A remotely controlled device for opening and closing the door of the body of trucks, trailers and the like, comprising a substantially box-like base (2), which is fixed externally to the door and is adapted to rotatably support a bar (4), which is associated with pawl means for fastening the door, a handle (5) for manually actuating the pawl means being keyed rigidly along the bar and being able to rotate, about the axis of the bar (4), from an angular door closure position, in which the handle (5) is accommodated in the base and is retained by locking and release means (6) of the button type (10) and in which the pawl means are engaged in respective abutments rigidly coupled to the frame of the body of the truck, to an angular door opening position, in which the handle is substantially disengaged from the base (2) and in which the pawl means are disengaged from the abutments, allowing the free rotation of the door about its own axis of pivoting to the frame of the body; the locking and release means (6) comprise a mechanism (7) for actuating a bolt (8) controlled by an actuator (9), means for remote control of the actuator (9) being provided which are adapted to move the mechanism (7) reversibly from a first configuration, in which the button (10) is rigidly coupled to the bolt (8), so that its manual actuation to release the handle (5) is prevented, to a second configuration, in which the bolt (8) is disengaged from the button (10), allowing its manual actuation, so as to turn the handle (5) about the axis of the bar (4). <IMAGE>

IPC 1-7

E05B 65/16

IPC 8 full level

E05B 47/06 (2006.01); **E05B 65/16** (2006.01); **E05B 13/10** (2006.01); **E05B 17/18** (2006.01); **E05B 47/00** (2006.01)

CPC (source: EP)

E05B 47/0669 (2013.01); **E05B 81/90** (2013.01); **E05B 83/10** (2013.01); **E05B 13/10** (2013.01); **E05B 17/183** (2013.01); **E05B 81/10** (2013.01); **E05B 2047/0094** (2013.01)

Citation (search report)

- [Y] DE 20012724 U1 20001026 - HESTERBERG & SOEHNE GMBH & CO [DE]
- [Y] DE 29806974 U1 19980702 - EMKA BESCHLAGTEILE [DE]
- [Y] EP 1253266 A2 20021030 - TAKIGEN MFG CO [JP]
- [Y] US 5058258 A 19911022 - HARVEY STEVE M [US]

Cited by

EP2146031A1; ES2294954A1; EP3235979A1; DE102006039088A1; EP1889991A3; EP2045420A1; FR2921956A1; EP3235978A1; EP3181784A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1550785 A1 20050706; IT BO20030791 A1 20050701

DOCDB simple family (application)

EP 04106804 A 20041221; IT BO20030791 A 20031230