

Title (en)

An assembly of elements comprising a control device for door and window frame handles

Title (de)

Anordnung von Elementen enthaltend eine Steuerungsvorrichtung für Tür- und Fensterrahmengriffe

Title (fr)

Ensemble d'éléments comprenant un dispositif de commande pour poignées de cadres de porte ou de fenêtre

Publication

EP 1621707 A1 20060201 (EN)

Application

EP 05106666 A 20050720

Priority

IT BO20040452 A 20040721

Abstract (en)

An assembly of elements comprising a control device (1) for door and window frame handles (2) of the type comprising a fixed portion and a mobile portion (3); the mobile portion (3) has a perimeter channel housing actuators (4) for opening and closing the mobile portion (3); the mobile portion (3) houses operators (5) acting on the actuators (4), controlled by a grip (6) connected to the operators (5), and rotating about a horizontal axis (Y); the operators (5) comprise: a first main box body (7) which can be housed in the mobile portion (3) and designed to contain a partially toothed wheel (8) having a coupling seat (9) for the grip (6); a sliding rod (10) supported by the first body (7) having a surface fitted with an actuating rack (12); a toothed carriage (13) positioned between and coupled to the rack (12) and the partially toothed wheel (8), and designed to transmit motion between these parts when the grip (6) is rotated thus moving the rod (10); and a first cover (14) attached at its edges to the first body (7) so as to define a closed box body.

IPC 8 full level

E05C 9/02 (2006.01); **E05B 63/00** (2006.01); **E05B 63/18** (2006.01)

CPC (source: EP)

E05B 63/0056 (2013.01); **E05B 63/185** (2013.01); **E05C 9/021** (2013.01)

Citation (search report)

- [X] EP 0443177 A2 19910828 - GRETSCH UNITAS GMBH [DE]
- [X] EP 1359273 A1 20031105 - ROTO FRANK AG [DE]
- [X] EP 1091064 A2 20010411 - ROTO FRANK EISENWAREN [AT]

Cited by

CN103967360A; WO2015198170A1; WO2015198171A1

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1621707 A1 20060201; **EP 1621707 B1 20070516**; AT E362574 T1 20070615; DE 602005001140 D1 20070628; DE 602005001140 T2 20080124; IT BO20040452 A1 20041021

DOCDB simple family (application)

EP 05106666 A 20050720; AT 05106666 T 20050720; DE 602005001140 T 20050720; IT BO20040452 A 20040721