

Title (en)

Manual blocking and releasing device of a locking and motorically actuated system for up-and-over doors.

Title (de)

Manuelle Sperr- und Lösevorrichtung eines Verriegelungs- und motorischen Betätigungssystems für Kipptore.

Title (fr)

Dispositif de condamnation et de décondamnation manuelle du système de verouillage et d'entraînement moteur pour porte basculante.

Publication

EP 0247914 A1 19871202 (FR)

Application

EP 87400973 A 19870428

Priority

FR 8607562 A 19860527

Abstract (en)

1. Manual blocking and releasing device of the locking and driving motive system for a tilting door, particularly for vehicle garages, sheds and the like, the panel (1) of this door including at its lower portion, in the closed position of the panel, a set of rollers (4) providing for the guiding of the panel during its displacement from the vertical closed position to an opened position substantially parallel to the ceiling of the premises by means of pivoting arms (12) articulated on the upper portion of the frame of the door, this assembly being balanced by suitable devices (9) so as to obtain, on the one hand, an operation without effort and, on the other hand, a stable and indifferent position of the panel (1) closing the door between the closed position and the opened position, the pivoting movement of the arms (12) being obtained by a motor-reducer unit driving two shafts (15, 16) rigidly connected to the pivoting arms (12), characterized in that : a) the motor-reducer unit is housed inside a box having substantially the shape of a rectangular parallelepiped (6) fixed on the panel (1), said motor-reducer unit being connected via an unclutching member (60) and by means of a connecting rod (22) to the body of an electromagnet (23) placed inside a casing (31) rigidly connected to the panel (1), b) the electromagnet (23) which is slidably mounted in the guide-forming casing (31) is connected at its lower portion by means of a small link (27) to the rocker member (28) mounted on a pin and controlling a control handle, and to a normal lock (30), c) the mobile armature (24) of the electromagnet (23) is connected by means of a small link (26) to a device controlling one or several bolts (32, 35, 36) latching the panel (1) in its closed position.

IPC 1-7

E05F 15/10

IPC 8 full level

E05D 15/44 (2006.01); **E05F 15/00** (2006.01); **E05F 15/10** (2006.01); **E05F 15/16** (2006.01)

CPC (source: EP)

E05B 65/0021 (2013.01); **E05D 15/445** (2013.01); **E05F 15/48** (2015.01); **E05F 15/678** (2015.01); **E05D 13/1238** (2013.01); **E05Y 2900/106** (2013.01)

Citation (search report)

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- [A] US 2607586 A 19520819 - SCHLYTERN CHARLES E
- [A] US 2756990 A 19560731 - REAMEY KENNETH F
- [A] US 2758836 A 19560814 - PURDY FREDERICK A

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Designated contracting state (EPC)

AT BE CH DE ES GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0247914 A1 19871202; **EP 0247914 B1 19900207**; AT E50312 T1 19900215; DE 247914 T1 19880407; DE 3761676 D1 19900315; ES 2000200 A4 19880116; ES 2000200 B3 19900501; FR 2599417 A1 19871204; FR 2599417 B1 19880826; GR 3000347 T3 19910607; GR 880300070 T1 19881021

DOCDB simple family (application)

EP 87400973 A 19870428; AT 87400973 T 19870428; DE 3761676 T 19870428; DE 87400973 T 19870428; ES 87400973 T 19870428; FR 8607562 A 19860527; GR 880300070 T 19881021; GR 900400063 T 19900208