

Title (en)

MECHANISM FOR ACTUATING SLIDING DOORS

Title (de)

BETÄTIGUNGSMECHANISMUS FÜR SCHIEBETÜREN

Title (fr)

MECANISME D'ACTIONNEMENT DE PORTES COULISSANTES

Publication

EP 1288421 A1 20030305 (EN)

Application

EP 00927257 A 20000519

Priority

ES 0000183 W 20000519

Abstract (en)

It comprises a carriage (1), meant to be attached to one of the edges of the door and following the same trajectory as it, which carriage may travel by means of rollers along a support rail (7), which incorporates, suitably attached to its ends, the ends of a toothed belt (3) which passes through a set of rolls (4-5-5') mounted on a support (6) that is joined to the support rail (7), one of which rolls (4) receives the motion of an electric motor (9) which is also mounted on the support (6), so that a rotation in one sense of the rotor of the motor (9) will cause a motion in one sense of the carriage (1), and therefore of the door connected to it, and vice versa. A movable arm (12) mounted on the support (6) causes the door to lock in its final closed position, as it locks in a housing (14) of the carriage (1), which carriage can be released from this locked position automatically by the rotation of the stator of the motor (9), or manually with the aid of a cam (15), both of which act on the arm (12). <IMAGE>

IPC 1-7

E05F 15/14; B61D 19/00; B61D 19/02

IPC 8 full level

B61D 19/02 (2006.01); **E05F 15/14** (2006.01)

CPC (source: EP)

B61D 19/02 (2013.01); **E05F 15/643** (2015.01); **E05Y 2201/22** (2013.01); **E05Y 2201/244** (2013.01); **E05Y 2201/434** (2013.01); **E05Y 2900/51** (2013.01)

Citation (search report)

See references of WO 0188317A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1288421 A1 20030305; **EP 1288421 B1 20060503**; DE 60027786 D1 20060608; ES 2263470 T3 20061216; WO 0188317 A1 20011122

DOCDB simple family (application)

EP 00927257 A 20000519; DE 60027786 T 20000519; ES 0000183 W 20000519; ES 00927257 T 20000519