

Title (en)

MOTOR DRIVEN OR HAND DRIVEN UP-AND-OVER DOOR OR SECTIONAL DOOR

Title (de)

MOTOR- ODER HANDBETRIEBENES KIPP- ODER SEKTIONALTOR

Title (fr)

PORTE BASCULANTE OU SECTIONNEE A ACTIONNEMENT MOTORISE OU MANUEL

Publication

EP 1099037 A2 20010516 (DE)

Application

EP 99940038 A 19990723

Priority

- DE 29813029 U 19980723
- EP 9905260 W 19990723

Abstract (en)

[origin: WO0005472A2] The invention relates to a motor driven or hand-driven up-and-over door or sectional door comprising the following: at least one closing element (5; 5A to 5D) for closing a door opening (3) in the closed position of the at least one closing element; a preferably single-track guide rail consisting of a vertical section (7A), a bent section (7C) and a horizontal section (7B); guiding elements (6) such as guide rollers (6A to 6A) which are guided in the guide rail (7) and which are fixed to the at least one closing element; and a counterweight device (50) which is located on the horizontal section (7B) and which consists of a torsion spring system (52) and a traction mechanism (51). A traction cable (51A) acts upon the at least one closing element (5) at one end and on a cable drum (51B) at the other end, said cable drum being drive-connected to the torsion spring system (52), providing precise, tilt-free guiding between the counterweight device and the guide rail.

IPC 1-7

E05F 15/12; **E05F 1/10**

IPC 8 full level

E05F 15/00 (2015.01); **E05F 1/00** (2006.01); **E05F 1/10** (2006.01); **E05F 1/16** (2006.01); **E05F 15/12** (2006.01); **F16C 13/00** (2006.01)

IPC 8 main group level

E05F (2006.01)

CPC (source: EP)

E05D 13/1261 (2013.01); **E05F 15/684** (2015.01); **E05Y 2900/106** (2013.01)

Citation (search report)

See references of WO 0005472A2

Cited by

DE202010002964U1; DE102011012754A1; DE102014018153A1

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)

WO 0005472 A2 20000203; **WO 0005472 A3 20000316**; AT E233858 T1 20030315; CZ 2001267 A3 20020213; CZ 300004 B6 20090114; DE 29813029 U1 19991125; DE 59904468 D1 20030410; EP 1099037 A2 20010516; EP 1099037 B1 20030305; ES 2198143 T3 20040116; PL 194234 B1 20070531; PL 345969 A1 20020114

DOCDB simple family (application)

EP 9905260 W 19990723; AT 99940038 T 19990723; CZ 2001267 A 19990723; DE 29813029 U 19980723; DE 59904468 T 19990723; EP 99940038 A 19990723; ES 99940038 T 19990723; PL 34596999 A 19990723