

Title (en)
Sectional door

Title (de)
Deckengliedertor

Title (fr)
Porte sectionnelle

Publication
EP 1039083 A3 20030709 (DE)

Application
EP 00105447 A 20000315

Priority
DE 19913413 A 19990325

Abstract (en)
[origin: EP1039083A2] The elastically extendable tensile fittings (11) attached to the cables (9) have a height smaller than their width. This fitting and the cable guide rolls (13) at the end remote from the door opening lie horizontally flat above the horizontal part of the side rails (3, 4), but do not protrude outwards beyond the door construction, or only protrude very slightly. The door comprises a number of articulated panels (1, 6, 7) with rollers (2) that can move along vertical side rails (3) that curve in a horizontal direction at their top ends. The rollers (5) for the top panel (6) are moved along a second pair of side rails (4) extending parallel to and lying above the horizontal part of the first pair of side rails. Elastically extendable tensile fittings, preferably fitted with weight balancing devices, extend above the two pairs of the rails in a horizontal direction, the end remote from the door opening being attached to the building and the opposite end facing the opening being connected to cable guide rolls. The cables are anchored at one end and in the area remote from the door opening they extend essentially parallel to the horizontal part of the side rails. Close to the door opening the cables extend around further guide rolls (10) and are secured to the bottom panel (7).

IPC 1-7
E05D 15/24; **E05D 13/00**

IPC 8 full level
E05D 13/00 (2006.01); **E05D 15/24** (2006.01); **E05F 1/16** (2006.01)

CPC (source: EP)
E05D 13/1215 (2013.01); **E05D 15/246** (2013.01); **E05Y 2201/488** (2013.01); **E05Y 2800/21** (2013.01); **E05Y 2900/106** (2013.01)

Citation (search report)

- [DXY] CH 343624 A 19591231 - MORRISON STEEL PRODUCTS INC [US]
- [Y] EP 0868587 A2 19981007 - HOERMANN KG [DE]
- [Y] EP 0726378 A1 19960814 - DOERING ERICH [CH]
- [A] GB 2172041 A 19860910 - DOERING ERICH

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WO2008055646A1; FR2863644A1; EP4325011A1; WO2023166047A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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