

Title (en)
Sectional door

Title (de)
Deckengliedertor

Title (fr)
Porte sectionnelle

Publication
EP 1039084 A3 20030716 (DE)

Application
EP 00105448 A 20000315

Priority
DE 19913414 A 19990325

Abstract (en)
[origin: EP1039084A2] The cables for one side of the door are secured to the bottom door panel (1) one behind the other, at right angles to the length direction (13) of this panel. The door comprises a number of articulated panels with rollers (5) that can move along vertical side rails that curve in a horizontal direction at their top ends. The rollers for the top panel are moved along a second pair of side rails 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 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. Two or more cables extending around these rolls 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 and are secured to the bottom panel.

IPC 1-7
E05D 13/00; **E05D 15/24**; **E05F 15/16**

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

CPC (source: EP)
E05D 13/10 (2013.01); **E05D 15/165** (2013.01); **E05D 13/1261** (2013.01); **E05D 15/24** (2013.01); **E05Y 2900/106** (2013.01)

Citation (search report)
• [DA] WO 9723700 A2 19970703 - HOERMANN KG [DE], et al
• [A] CH 343624 A 19591231 - MORRISON STEEL PRODUCTS INC [US]

Cited by
EP2845976A1; WO2006131941A1

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 1039084 A2 20000927; **EP 1039084 A3 20030716**; **EP 1039084 B1 20060201**; AT E317050 T1 20060215; DE 19913414 A1 20001005; DE 50012143 D1 20060413; ES 2255907 T3 20060716

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EP 00105448 A 20000315; AT 00105448 T 20000315; DE 19913414 A 19990325; DE 50012143 T 20000315; ES 00105448 T 20000315