

Title (en)  
SECTIONAL OVERHEAD DOOR

Title (de)  
DECKENGLIEDERTOR

Title (fr)  
PORTE ARTICULEE SE RELEVANT AU PLAFOND

Publication  
**EP 0868587 B1 19991110 (DE)**

Application  
**EP 96946248 A 19961223**

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Abstract (en)  
[origin: US6073674A] PCT No. PCT/DE96/02509 Sec. 371 Date Jul. 17, 1998 Sec. 102(e) Date Jul. 17, 1998 PCT Filed Dec. 23, 1996 PCT Pub. No. WO97/23700 PCT Pub. Date Jul. 3, 1997A sectionial overhead door is disclosed with a door leaf comprising several consecutive hinging panels (10, 10', 10'') which are guided in the known way by rollers (11) in horizontal tracks and in tracks (12, 12', 12'') joined to them to form a bow and are provided with a balancing device (15) in the form of approximately horizontal helical tension springs. The latter are designed to be space-saving, in particular with low drop heights, underneath the horizontal track sections extending into the building, such that on each of the outer side regions (27) of the horizontal track sections (12, 14) facing away from one another one or more helical tension spring units (16) are arranged approximately parallel to one another and one below the other. At least some of the helical tension spring units (16) consist of at least two coaxial helical springs (17, 18), the turns of which are mutually opposing and intersecting.

IPC 1-7  
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IPC 8 full level  
**E05D 15/24** (2006.01); **E05F 1/00** (2006.01); **E05F 1/08** (2006.01); **E05F 1/16** (2006.01); **E06B 3/48** (2006.01); **E06B 9/06** (2006.01); **E06B 9/08** (2006.01)

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**US 6073674 A 20000613**; AT E186587 T1 19991115; CN 1093587 C 20021030; CN 1207793 A 19990210; CZ 198998 A3 19981111; CZ 296193 B6 20060215; DE 19654164 A1 19970710; DE 19654164 C2 19991104; DE 29622370 U1 19970430; DE 59603642 D1 19991216; EP 0868587 A2 19981007; EP 0868587 B1 19991110; ES 2138404 T3 20000101; GR 3032012 T3 20000331; HK 1017723 A1 19991126; HU 222687 B1 20030929; HU P9901936 A2 19991028; HU P9901936 A3 19991129; NO 310521 B1 20010716; NO 982915 D0 19980622; NO 982915 L 19980811; PL 181991 B1 20011031; PL 327191 A1 19981123; WO 9723700 A2 19970703; WO 9723700 A3 19970814

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