

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.

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E05D 15/24; E05F 1/08

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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 9168198 A 19980717; AT 96946248 T 19961223; CN 96199763 A 19961223; CZ 198998 A 19961223; DE 19654164 A 19961223; DE 29622370 U 19961223; DE 59603642 T 19961223; DE 9602509 W 19961223; EP 96946248 A 19961223; ES 96946248 T 19961223; GR 990403106 T 19991130; HK 99102690 A 19990623; HU P9901936 A 19961223; NO 982915 A 19980622; PL 32719196 A 19961223