

Title (en)
FALL-PREVENTION DEVICE

Title (de)
ABSTURZSICHERUNG

Title (fr)
SECURITE ANTI-CHUTE POUR PORTES OU VOLETS ROULANTS

Publication
EP 0698174 A1 19960228 (DE)

Application
EP 95912236 A 19950310

Priority
• DE 9403957 U 19940310
• EP 9500889 W 19950310

Abstract (en)
[origin: WO9524541A1] A fall-prevention device for up-and-over doors and the like, such as roller doors, sectional doors, roller grills, roller shutters and the like, has support cables (11) which act in the lower region of the door in the vicinity of the door guide rails (13) for rollers (14) secured on the door. The door guide rails are preferably curved in the upper door-opening area. The device comprises at least one spring-loaded lever (20) on which one of the support cables (11) acts in a direction (R) counteracting the spring force (F), and which comprises a clamping element (21) for securing the door and for clamping engagement with the door guide rail (13) or with an element which is parallel thereto in such a way that, when the support cable (11) becomes slack or breaks, the lever (20) is pivoted under the spring force (F) with its clamping element (21) into the engagement position. The operational reliability is improved in that the pivot axis (X) of the lever (20) is parallel to the plane opened up by the door, preferably within the door leaf (10), and in that the lever (20) is pivotable in a pivot plane extending approximately perpendicular to the plane opened up by the door and is arranged in the opposite direction to the direction of fall (Z) of the rollers (14) on the door guide rail (13).

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IPC 8 full level
E05D 13/00 (2006.01); **E06B 9/84** (2006.01)

CPC (source: EP)
E05D 13/006 (2013.01); **E06B 9/84** (2013.01); **E05Y 2900/00** (2013.01); **E05Y 2900/106** (2013.01)

Citation (search report)
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Cited by
CN111173392A

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AT CH DE LI

DOCDB simple family (publication)
WO 9524541 A1 19950914; AT E169086 T1 19980815; CZ 288881 B6 20010912; CZ 292595 A3 19960515; DE 59502959 D1 19980903; DE 9403957 U1 19950720; EP 0698174 A1 19960228; EP 0698174 B1 19980729; PL 179532 B1 20000929; PL 311579 A1 19960219

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