

Title (en)

Device for locking in position a spring counterbalanced overhead door

Title (de)

Vorrichtung zur Positionsverriegelung eines Kipptors mit Gewichtsausgleichsfeder

Title (fr)

Dispositif de verrouillage en position de portes basculantes à ressort de compensation et d'équilibrage

Publication

EP 0754830 B1 20011017 (FR)

Application

EP 96420216 A 19960627

Priority

FR 9509188 A 19950721

Abstract (en)

[origin: EP0754830A1] An arm which is pivoted relative to the door frame, has one end connected to the door panel and the other to a balancer with a strap (10a) and spring(s) (10b) anchored to a fixed point. The balancer comprises a housing (12) fixed to the door frame, having two parallel side flanges in the shape of half discs and a support (13) connected to the pivoted arm. The support is equipped with a pivoted anchor (15) which interacts by friction or penetration with the flanges and is connected e.g. with the balancer strap. During normal operation of the balancer the anchor is in a raised position and makes no contact with the housing (12), while in the event of the balancer spring breaking it engages with the flanges and locks the door, preventing it from dropping under its own weight and causing possible injury.

IPC 1-7

E05D 13/00

IPC 8 full level

E05D 13/00 (2006.01); **E05D 15/42** (2006.01); **E05F 1/10** (2006.01)

CPC (source: EP)

E05D 13/003 (2013.01); **E05D 13/1223** (2013.01); **E05D 13/1215** (2013.01); **E05D 15/425** (2013.01); **E05Y 2900/106** (2013.01)

Designated contracting state (EPC)

BE DE GB NL

DOCDB simple family (publication)

EP 0754830 A1 19970122; **EP 0754830 B1 20011017**; DE 69615955 D1 20011122; DE 69615955 T2 20020411; FR 2736960 A1 19970124; FR 2736960 B1 19980123

DOCDB simple family (application)

EP 96420216 A 19960627; DE 69615955 T 19960627; FR 9509188 A 19950721