

Title (en)

Spring box with anti-fall device for vertical roller shutter fitted with a safety device, and corresponding safety elements

Title (de)

Federgehäuse einer Fallschutzvorrichtung für Rollläden mit vertikaler Bewegungsrichtung, das mit einer Sicherung ausgestattet ist und entsprechende Sicherungselemente

Title (fr)

Boîte à ressort de dispositif antichute de rideau roulant à déplacement vertical munie d'une sûreté, et éléments de sûreté correspondants

Publication

EP 2017431 A3 20131002 (FR)

Application

EP 08290705 A 20080718

Priority

FR 0705292 A 20070720

Abstract (en)

[origin: EP2017431A2] The box has a return bar i.e. cylindrical rod (13), integrated with an external end of a compensation spring. An end of the bar maintains a finger at distance from a locking detent in a normal state of the spring. The end of the bar is separated from the finger to provide liberation for the end of the finger driven by a pull off spring towards the detent in radial direction. The liberation is prevented in the normal state of the compensation spring by a safety lever (24) made of metal or plastic and a connecting part during maneuver of a roller shutter.

IPC 8 full level

E06B 9/84 (2006.01); **E06B 9/60** (2006.01); **E05D 13/00** (2006.01)

CPC (source: EP)

E06B 9/60 (2013.01); **E06B 9/84** (2013.01); **E05D 13/003** (2013.01); **E05Y 2900/00** (2013.01); **E05Y 2900/106** (2013.01)

Citation (search report)

- [A] EP 1030028 A1 20000823 - PROFILMAR [FR]
- [ADP] EP 1816294 A1 20070808 - PROFILMAR [FR]

Cited by

CN112657848A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2017431 A2 20090121; **EP 2017431 A3 20131002**; FR 2919013 A1 20090123; FR 2919013 B1 20090918

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EP 08290705 A 20080718; FR 0705292 A 20070720