

Title (en)

Anti-fall safety device for rolling shutters with torsion springs

Title (de)

Sicherheitsvorrichtung gegen Absturz für Rollläden mit Torionsfedern

Title (fr)

Dispositif de sécurité anti-chute pour volets roulants avec ressorts de torsion

Publication

**EP 1760251 A3 20120725 (EN)**

Application

**EP 06425616 A 20060904**

Priority

IT MC20050089 A 20050906

Abstract (en)

[origin: EP1760251A2] The present invention refers to an anti-fall safety device for rolling shutters with torsion rings, of the type commonly used to close garages and shops. The device of the invention comprises two main elements (A and B), with a torsion spring (M) placed and attached between them; the failure of the spring (M) actuates a retention pawl (8) that interferes with the free rotation of a rotating drum (5) joined to the top slate of the rolling shutter.

IPC 8 full level

**E06B 9/84** (2006.01); **E06B 9/60** (2006.01)

CPC (source: EP)

**E05D 13/1269** (2013.01); **E06B 9/84** (2013.01); **E05Y 2900/00** (2013.01); **E05Y 2900/106** (2013.01); **E06B 9/60** (2013.01)

Citation (search report)

- [IA] EP 0151427 A2 19850814 - HOERMANN KG [DE]
- [IA] EP 1213428 A1 20020612 - FLEXI FORCE B V [NL]
- [IA] DE 9310792 U1 19940519 - HOERMANN KG [DE]

Cited by

EP3798406A1; IT201900017567A1; US11767696B2; WO2019025522A1; WO2010034156A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1760251 A2 20070307**; **EP 1760251 A3 20120725**; IT MC20050089 A1 20070307

DOCDB simple family (application)

**EP 06425616 A 20060904**; IT MC20050089 A 20050906