

Title (en)

Safety device for a sectional frame such as a door, main door, gate or suchlike

Title (de)

Sicherheitsvorrichtung für ein sektionales Schliesselement, z.B. Tür, Haupttür, Tor oder dergleichen

Title (fr)

Dispositif de sécurité pour éléments sectionnels de fermeture, comme portes, portes principales, vantaux ou similaires

Publication

EP 1835104 B1 20101103 (EN)

Application

EP 07103924 A 20070312

Priority

IT UD20060060 A 20060314

Abstract (en)

[origin: EP1835104A2] Safety device (10) for a frame having a plurality of panels which have cursor means (12) that slides, along a sliding axis (X), in guide means (13), which frame is moved by drive means (20), in which the cursor means (12) comprises a pair of rolling elements (14), lying along the sliding axis (X), a pair of support elements (15, 16) on each of which a rolling element (14) is pivoted, and which are pivoted with respect to each another on a first pivoting axis (P), displaced with respect to the sliding axis (X), and substantially perpendicular to the plane on which the rolling elements (14) lie. The pair of support elements (15, 16) oscillates between a first position where the rolling elements (14) are close to one another, and a second position where the rolling elements (14) are far from each other. The passage from the first to the second position is caused by the breaking of the drive means (20). Elastic means (24) is also provided, which cooperates with the support elements (15, 16), in order to thrust the latter towards the second position, and a clamping means (22), associated with one of the support elements (15, 16), which acts against an internal surface (27) of the guide means (13) when said support elements (15, 16) are in said second position, in order to block the displacement of the sectional frame (26), and which is disposed in a position substantially opposite said first pivoting axis (P), with respect to said sliding axis (X).

IPC 8 full level

E05D 13/00 (2006.01)

CPC (source: EP)

E05D 13/006 (2013.01); **E05Y 2900/106** (2013.01)

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1835104 A2 20070919; EP 1835104 A3 20080402; EP 1835104 B1 20101103; AT E487014 T1 20101115; DE 602007010198 D1 20101216; ES 2354380 T3 20110314; IT UD20060060 A1 20070915; PT 1835104 E 20110202; SI 1835104 T1 20110331

DOCDB simple family (application)

EP 07103924 A 20070312; AT 07103924 T 20070312; DE 602007010198 T 20070312; ES 07103924 T 20070312; IT UD20060060 A 20060314; PT 07103924 T 20070312; SI 200730499 T 20070312