

Title (en)
Spring fracture safety device

Title (de)
Federbruchsicherung

Title (fr)
Dispositif de sécurité en cas de rupture d'un ressort

Publication
EP 1892360 A1 20080227 (EN)

Application
EP 07114733 A 20070822

Priority
NL 1032353 A 20060822

Abstract (en)
A spring break protection mechanism for a sectional door comprising a base plate (2) with a pawl (3) pivotably connected thereto, which is coupled to an input member (5) for cooperation with a balancing spring. The spring break protection mechanism further comprises a ratchet wheel (6) for cooperation with a balancing axle. The pawl (3) is pivotable between a first position, in which the ratchet wheel (6) is free-running, and a second position in which the pawl (3) blocks the ratchet wheel (6). The pawl (3) is biased by an operating spring (7) to the second position against the force of the balancing spring. The spring break protection mechanism is characterized in that the pawl (3) is provided with a crumple zone (12) which, with the pawl (3) in the second position, plastically deforms from a predetermined threshold value of a blocking force.

IPC 8 full level
E05D 13/00 (2006.01)

CPC (source: EP)
E05D 13/1269 (2013.01); **E05D 13/003** (2013.01); **E05Y 2800/684** (2013.01); **E05Y 2900/106** (2013.01)

Citation (search report)

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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 YU

DOCDB simple family (publication)
EP 1892360 A1 20080227; NL 1032353 C2 20080225

DOCDB simple family (application)
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