

Title (en)

ANTI-CRASH SAFETY CATCH FOR THE CLOSURE ELEMENTS OF BUILDING OR VEHICLE SHUTTERS

Publication

EP 0200115 A3 19870304 (DE)

Application

EP 86105386 A 19860418

Priority

DE 3515257 A 19850427

Abstract (en)

[origin: EP0200115A2] 1. Safety mechanism for preventing the closure elements (3) of closures of buildings and vehicles from dropping, more especially in the case of sectional doors, wherein the closure elements (3) are guided by rollers (6) or the like in lateral rails (4) and are counterbalanced by weights, springs (7) or the like in conjunction with ropes, chains or the like, and wherein also the rollers (6) are retained by laterally protruding pins (5), characterized in that an elongate catch (12), having a plurality of recesses (14) which follow one another in the longitudinal direction of the catch (12) for the accommodation of the pins (5), is provided for the pins (5), which catch is disposed parallel to the rails (4) and is displaceable transversely thereto from a position of rest into an operative position (catching position), such being in dependence upon a restoring force (compression spring 25), which is released if the equilibrium between the closure elements (3), on the one hand, and the weights, springs (7) or the like, on the other hand, is disturbed, and in that the catch (12) is identical to, or longer than, the mutual spacing between pins (5) or rollers (6), which follow one another in the longitudinal direction of the rails, and is guided or mounted on parallel guide rods (11) which extend substantially horizontally when the catch (12) is in its position of rest and are downwardly orientated in the operative position.

IPC 1-7

E05D 13/00

IPC 8 full level

E05D 13/00 (2006.01)

CPC (source: EP)

E05D 13/006 (2013.01); **E05Y 2900/106** (2013.01); **E05Y 2900/146** (2013.01)

Citation (search report)

- [Y] EP 0114328 A1 19840801 - BEHRENS ROLLWAENDE JALOUSIEN [DE]
- [Y] DE 2927920 A1 19800124 - BAUTEIL AG
- [A] FR 1043611 A 19531110 - ETS AD MISCHLER SARL

Cited by

EP2554771A1; EP1676972A2; EP1676972B1

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EP 0200115 A2 19861105; **EP 0200115 A3 19870304**; **EP 0200115 B1 19890628**; AT E44300 T1 19890715; DE 3515257 A1 19861106; DE 3664144 D1 19890803

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