

Title (en)
SAFETY CATCH

Publication
EP 0172351 B1 19881026 (DE)

Application
EP 85107467 A 19850614

Priority
DE 3427105 A 19840723

Abstract (en)
[origin: EP0172351A1] 1. Catching device for a single- or multi-part closure leaf for a building, such as a door leaf, more particularly in lifting doors, up-and-over doors or the like, said door being substantially vertically movable, at least in the closing area, said device being held on both sides preferably in the lower side region, by means of tensionable tensioning means (14), such as wire cables in particular, on a manually operated or motor-driven drive mechanism and/or weight equalising device, having a catching member (23) for each tensioning means, said member being controlled as a function of the tensile stress thereon, such that when the tensioning means are subjected to tensile stress said catching member is held in a release position (25) which does not impede the operating movement of the door and when there is no tension on the tensioning means the catching member is movably guided, under spring-loaded biasing force, into a catching position (26) in which the catching member acts in positive or frictional engagement on a catching rail (7) arranged to extend parallel to the direction of the movement of the door, characterized in that a catching member housing (10) is provided on which the catching member (23) is movably guided between the release position (25) and the catching position (26), said housing containing the catching member (23) in the release position (25) and having a lateral opening (19) through which an engagement portion (24) of the catching member (23) passes in the course of the transition from the release position (25) into the catching position (26) and outside the catching member housing (10) into the region of the catching rail (7), in the catching member housing (10) receives the tensioning means (14) at one (16) of its two opposite end faces (16, 17) and in that the catching member housing (10) has, at its other end face (17), a guide opening (28) through which a pin (12) passes in longitudinally movable manner, said pin being adapted to be secured to the door (1) by its end (13) located outside the catching member housing (10) and said pin acting on the catching member (23) by its end portion (29) located within the catching member housing (1) and said pin being biased by a spring (32) arranged inside the catching member housing (10) into a position of displacement (40) into the inferior of the catching member housing (10).

IPC 1-7
E05D 13/00

IPC 8 full level
E05D 13/00 (2006.01); **E05F 15/00** (2006.01)

CPC (source: EP)
E05D 13/006 (2013.01); **E05F 15/00** (2013.01); **E05F 15/41** (2015.01); **E05Y 2400/86** (2013.01); **E05Y 2900/106** (2013.01)

Cited by
DE10153366B4; DE10115571B4; FR2746842A1; EP0678641A1; DE4413465A1; DE4413465C2; EP1260665A3; EP1229197A2; EP1882801A1; US7000354B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0172351 A1 19860226; EP 0172351 B1 19881026; AT E38265 T1 19881115; DE 3427105 A1 19860130; DE 3427105 C2 19880804; DE 3565874 D1 19881201; DK 162787 B 19911209; DK 162787 C 19920427; DK 331985 A 19860124; DK 331985 D0 19850722; ES 545444 A0 19860801; ES 8609569 A1 19860801; NO 161935 B 19890703; NO 161935 C 19891011; NO 852908 L 19860124

DOCDB simple family (application)
EP 85107467 A 19850614; AT 85107467 T 19850614; DE 3427105 A 19840723; DE 3565874 T 19850614; DK 331985 A 19850722; ES 545444 A 19850722; NO 852908 A 19850722