

Title (en)
Safety catch.

Title (de)
Fanggerät.

Title (fr)
Dispositif antichute.

Publication
EP 0172351 A1 19860226 (DE)

Application
EP 85107467 A 19850614

Priority
DE 3427105 A 19840723

Abstract (en)

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).

Abstract (de)

Fanggerät für ein vertikal in die Schließlage gelangendes Torblatt, daß beidseitig mittels je eines Zugmittelstranges an einer hand- oder motorisch betätigten Antriebseinrichtung und/oder Gewichtsausgleichseinrichtung gehalten ist mit einem je Zugmittelstrang vorgesehenen von dessen Zugbelastung abhängig gesteuerten Fangglied, das bei Zugbelastung des Stranges in der Freigabestellung gehalten und bei Unterbrechung der Zugbelastung und der Federkraft in eine Fangstellung gelangt. Das Fanggerät, das sicher und schnell arbeiten soll, gegen Verschmutzung und Beschädigung geschützt sein und sich insbesondere auch leicht warten und auf Funktionsfähigkeit überprüfen lassen soll, ist derart ausgebildet, daß ein Fanggliedgehäuse (10) vorgesehen ist, in dessen Inneren sich das Fangglied (23) in der Freigabestellung (25) befindet und aus dem ein Angriffsabschnitt (24) des Fanggliedes (23) bei Übergang in dessen Fangstellung (26) austritt, daß das Fanggliedgehäuse (10) an einer seiner beiden einander gegenüberliegenden Stirnseiten (16,17) den Zugmittelstrang (14) aufnimmt und daß das Fanggliedgehäuse (10) an seiner anderen Stirnseite (16,17) eine Durchtrittsöffnung (28) aufweist, welche von einem Bolzen (12) durchgriffen ist, der außerhalb des Fanggliedgehäuses (10) an dem Verschlussblatt (1) festgelegt ist, der innerhalb des Fanggliedgehäuses (10) an dem Fangglied (23) angreift und der durch eine im Inneren des Fanggliedgehäuses (10) angeordnete Feder (32) in eine in das Gehäuseinnere zugerichtete Verschiebestellung (40) beaufschlagt ist.

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Citation (search report)
• [A] FR 1148630 A 19571212 - HARTMANN & CO A G
• [A] CH 483547 A 19691231 - VERWO AG [CH]

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