

Title (en)

A MECHANICAL SAFETY CLOSING AND LOCKING DEVICE, ADAPTED TO BE UNIVERSALLY APPLIED TO CIVIL AND INDUSTRIAL APERTURE CLOSING SYSTEMS OPERATED BY ROPES

Title (de)

MECHANISCHE SICHERHEITSSCHLIESS- UND -VERRIEGELUNGSVORRICHTUNG ZUR UNIVERSELLEN ANWENDUNG AUF SEILBETRRIEBENE SCHLIESSYSTEME VON ZIVILEN UND INDUSTRIELLEN ÖFFNUNGEN

Title (fr)

DISPOSITIF MÉCANIQUE DE FERMETURE ET DE VERROUILLAGE DE SÉCURITÉ ADAPTÉ À ÊTRE APPLIQUÉ UNIVERSELLEMENT À DES SYSTÈMES DE FERMETURE D'OUVERTURE CIVILS ET INDUSTRIELS ACTIONNÉS PAR DES CORDES

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Application

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Abstract (en)

[origin: WO2019025972A1] The present invention relates to an innovative mechanical safety closing and locking device (1), adapted to be universally applied to civil and industrial aperture closing systems operated by ropes (15). The device (1) is characterized in that it is placeable in rolling-shutter boxes (11) of new civil and industrial closing systems, as well as in existing rolling-shutter boxes. The device (1) is safely activated, in good time, upon the immediate breaking or loosening of the pulling ropes (15) of the covering (3) of the shutter, thus preventing it from falling. The device (1) consists of a rigid body (10), provided with locking means (7) therein, sliding on at least one pair of bearings (12), contrasted in a balanced manner by the tension of the rope acting on one end or tang (4) thereof and by the tensioning of an elastic means (6). Should said rope (15) tension fail, for example, in case of unexpected loosening or breaking thereof, the consequent unbalancing immediately activates the locking means (7), thus preventing the fall of the shutter covering (3).

IPC 8 full level

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