

Title (en)

Locking device for a closure member, e.g. a door.

Title (de)

Verriegelungsvorrichtung für das Verschlussmittel einer Öffnung, z.B. eine Tür.

Title (fr)

Agencement de verrouillage d'un organe mobile de fermeture d'une ouverture, tel qu'une porte.

Publication

EP 0584002 A3 19941005 (FR)

Application

EP 93401987 A 19930730

Priority

FR 9209473 A 19920730

Abstract (en)

[origin: EP0584002A2] The invention relates to an arrangement for locking a movable member for closing an aperture. This arrangement is of the type comprising a housing (5) mounted preferably on the fixed structure (2) of the aperture and containing a mechanism (4) for blocking a device forming a bolt (3) integral with the movable member (1), and a remote-controlled locking device (8) intended for locking the blocking mechanism (4) in its position blocking the device forming a bolt (3) and comprising a locking element (60) movable between positions for locking and releasing the mechanism (4), and a connecting device (9) interposed between the locking device (8) and the blocking mechanism (4). The arrangement is characterised in that the housing (5) is produced in the form of a housing of elongated shape, in which the locking device (8), connecting device (9) and blocking mechanism (4) are arranged so as to be aligned in the axis of the housing, the locking element (60) is movable parallel to the axis of the housing in a rectilinear to-and-fro movement, and the connecting device (9) is produced in the form of a step-up gear comprising a plurality of pinions (30, 31, 32), the axes of which are parallel and perpendicular to the longitudinal direction of the housing and juxtaposed in the longitudinal direction of the latter. The invention can be used for emergency doors. <IMAGE>

IPC 1-7

E05B 47/06; **E05C 3/24**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] US 3566703 A 19710302 - NOORD ANDREW J VAN
- [A] FR 6804 E 19070301 - SEBASTIEN LOUIS GAY [FR]
- [A] US 4652027 A 19870324 - QUANTZ NORMAN G [US]
- [A] GB 2139689 A 19841114 - PHILIPS ELECTRONIC ASSOCIATED

Cited by

WO0186099A1

Designated contracting state (EPC)

BE CH DE ES GB IT LI LU NL

DOCDB simple family (publication)

FR 2694328 A1 19940204; **FR 2694328 B1 19941014**; DE 69305290 D1 19961114; EP 0584002 A2 19940223; EP 0584002 A3 19941005; EP 0584002 B1 19961009

DOCDB simple family (application)

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