

Title (en)

Door actuating apparatus with an opening security.

Title (de)

Torantriebsgerät mit Öffnungssicherung.

Title (fr)

Appareil de commande pour porte comprenant une sécurité d'ouverture.

Publication

EP 0075269 A1 19830330 (DE)

Application

EP 82108510 A 19820915

Priority

DE 3137501 A 19810921

Abstract (en)

1. A door actuating device having a motor-driven entrainment member (7) which is moved, in a specific path (3), forwards for the opening of a door leaf and back for its closing and which is coupled to a coupling member (5), connected to the door leaf to be moved, for reciprocating displacement in relation to this through a specific displacement distance (14) in the direction of the path (3) between a closing position (20) and an opening position (17) and which is in driving connection (12, 13), through an approach ramp (13) extending obliquely to the direction of the path (3), with a locking bolt (11) held on the coupling member (5), which locking bolt is transferred, controlled through this connection and transversely to the direction of the path (3), in the closing position (20) of the entrainment member (7) into a locking position (22) against a stop (21) fixed to the frame of the device and in the opening position (17) of the entrainment member (7) into an unlocking position (23) away from the stop (21), the entrainment member (7) comprising a recess (10) which defines the displacement distance (14) and in which there engages an entrainment block (9) which is held on the coupling member (5) and which forms a switching member with the locking bolt (11), the coupling between the entrainment member (7) and the coupling member (5) being able to be completely cancelled by hand by actuation of an entrainment element displaceable transversely to the direction of the path (3), characterised in that the entrainment member (7) is rigidly connected directly to the drive member (2) of the door drive, which member is moved in the direction of the path (3), and that the entrainment block (9) engaging in the upwardly open recess (10) in the entrainment member (7) is mounted as an entrainment element on the coupling member (5) for displacement between a position of engagement in the recess (10) and a position out of engagement with this recess (10) and has a mechanical coupling (25) to the locking bolt (11) over this displacement distance.

Abstract (de)

Bei einem Torantriebsgerät mit einem motorgetriebenen, in einer bestimmten Bahn für die Öffnung eines Torblattes hin und dessen Schliessen zurück bewegten Mitnehmerteil (7) und mit einem Kupplungsteil (5), das an das Mitnehmerteil (7) angekuppelt und mit dem zu bewegenden Torblatt verbunden ist, wird zur Sicherung gegen unbefugtes Öffnen des Torblattes bei stehendem Antrieb und der Aufhebung dieser Sicherung bei normaler Torblattbewegung vom Antrieb her vorgeschlagen, das Mitnehmerteil (7) relativ zu dem Kupplungsteil (5) in Richtung der Bahn (3) um eine bestimmte Verschiebestrecke (14) zwischen einer Schliessstellung und einer Öffnungsstellung hin- und herverschiebbar auszubilden und mit einem an dem Kupplungsteil (5) gehaltenen Umschalteil (8) getrieblich zu verbinden, welches über diese Verbindung (12, 13) gesteuert in Schliessstellung des Mitnehmerteils (7) in eine Verriegelungsstellung an einem gerätechassisfesten Anschlag (21) und in der Öffnungsstellung des Mitnehmerteils (7) in eine Entriegelungsstellung von dem Anschlag (21) entfernt versetzt ist.

IPC 1-7

E05F 15/10

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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