

Title (en)

ENTRAINING CARRIAGE-TYPE DOOR DRIVE COMPRISING A SECURED EMERGENCY UNLOCKING DEVICE

Title (de)

MITNEHMERSCHLITTEN-TORANTRIEB MIT GESICHERTER NOTENTRIEGELUNGSEINRICHTUNG

Title (fr)

SYSTEME D'ENTRAINEMENT DE PORTE POURVU D'UN CHARIOT D'ENTRAINEMENT ET D'UN DISPOSITIF DE DEVERROUILLAGE D'URGENCE SECURISE

Publication

EP 1904708 B1 20170705 (DE)

Application

EP 06742377 A 20060524

Priority

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Abstract (en)

[origin: WO2006131092A1] The invention relates to a door driving mechanism for driving a door leaf which moves at least in part in a vertical direction during the opening and/or closing movement thereof. Said door driving mechanism comprises a motive drive unit, an entraining carriage (10) which can be connected to the door leaf and can be moved back and forth in a linear direction, a gear unit that drivingly connects the entraining carriage (10) to the motive drive unit, and an emergency unlocking device (20) which is disposed on the entraining carriage (10) so as to be driven along with the same and by means of which the entraining carriage (10) can be disconnected from the gear unit in emergencies, e.g. during power failures, in order to be able to manually move the entraining carriage (10) along the guiding mechanism independently of the drive unit and thus be able to manually open and/or close a door leaf connected to the entraining carriage (10). In order to design the emergency unlocking device (20) in a simple and uncomplicated manner such that emergency unlocking is made possible in any position of the door leaf while preventing the risk of objects being damaged or persons being injured by a dropping door leaf, a safety device (42) which secures the emergency unlocking device (20) and has to be released before the emergency unlocking device (20) is actuated is disposed on the entraining carriage (10) so as to be driven along with the same. Said safety device (42) can be released only by using a tool or a key or by destroying the same.

IPC 8 full level

E05F 15/668 (2015.01); **E05F 15/681** (2015.01)

CPC (source: EP)

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Citation (examination)

- GB 2124296 A 19840215 - LUKES ENG CO LTD
- AU 497864 B2 19790118 - BWN IND PTY LTD
- DE 29508814 U1 19951019 - KEINER FRITZ [DE]

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