

Title (en)

CAR DOOR ARRANGEMENT FOR AN ELEVATOR WITH A MECHANICAL CAR DOOR LOCK

Title (de)

KABINENTÜRANORDNUNG FÜR EINEN AUFZUG MIT EINER MECHANISCHEN KABINENTÜRVERRIEGELUNG

Title (fr)

AGENCEMENT DE PORTE DE CABINE POUR UN ASCENSEUR DOTÉ D'UN VERROUILLAGE MÉCANIQUE DE PORTE DE CABINE

Publication

EP 3901082 B1 20220831 (DE)

Application

EP 21167465 A 20210408

Priority

DE 102020204593 A 20200409

Abstract (en)

[origin: CN113511576A] The invention relates to a car door device (10) for an elevator having a mechanical car door locking device. The car door device comprises: a hinge part (12) which is associated with a car door and is pivotally mounted, wherein the hinge part is designed to carry at least one driver strut, the at least one driver strut is designed to engage with at least one counterpart element associated with a shaft door in an engagement position for jointly opening and closing the car door and the shaft door, and at least one stop element (20) is also associated with the hinge part (12); a restoring element which interacts directly or indirectly with the pivotable hinge part (12); a drive device, which is designed to act with the hinge part (12) in an unlocking area during the operation process, when the hinge part (12) is supported, so that when the drive device fails out of the unlocking area, the hinge part can pass a joint position and reach a second tail end position under the action of the restoring element; and a first and second capturing elements (22, 24), which are respectively arranged and designed so that when the hinge part (12) is in a first tail end position, the linear movement of the hinge part (12) from the car door opening direction to a first opening path (W1) is limited, and when the hinge part (12) is in the second tail end position, the linear movement of the hinge part (12) from the car door opening direction to a second opening path (W2) is limited.

IPC 8 full level

B66B 13/06 (2006.01); **B66B 13/12** (2006.01); **B66B 13/18** (2006.01)

CPC (source: CN EP)

B66B 13/12 (2013.01 - EP); **B66B 13/165** (2013.01 - CN); **B66B 13/18** (2013.01 - EP); **B66B 13/30** (2013.01 - CN)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3901082 A1 20211027; **EP 3901082 B1 20220831**; CN 113511576 A 20211019; DE 102020204593 A1 20211014; ES 2927643 T3 20221108; HU E059964 T2 20230128

DOCDB simple family (application)

EP 21167465 A 20210408; CN 202110381936 A 20210409; DE 102020204593 A 20200409; ES 21167465 T 20210408; HU E21167465 A 20210408