

Title (en)

ELECTRICAL RESCUE SYSTEM FOR RESCUING PASSENGERS FROM AN ELEVATOR CAR, A TOOL FOR THE SAME, AND A CORRESPONDING METHOD

Title (de)

ELEKTRISCHES RETTUNGSSYSTEM ZUM RETTEN VON PASSAGIEREN AUS EINER AUFZUGSKABINE, WERKZEUG DAFÜR UND ENTSPRECHENDES VERFAHREN

Title (fr)

SYSTÈME ÉLECTRIQUE DE SAUVETAGE DE PASSAGERS D'UNE CABINE D'ASCENSEUR, OUTIL POUR CELUI-CI ET PROCÉDÉ CORRESPONDANT

Publication

EP 3321224 A1 20180516 (EN)

Application

EP 16198217 A 20161110

Priority

EP 16198217 A 20161110

Abstract (en)

An electrical rescue system for rescuing passengers from an elevator car (102) comprises an elevator car (102) movable in an elevator shaft (100) by imbalance between the elevator car (102) and a counterweight (104), a plurality of platform doors (4) providing access to the elevator car (102), and a plurality of normally-closed brakes (160, 162) openable by at least one electromagnet (9) and configured to prevent the movement of the elevator car (102) with respect to the elevator shaft (100) when the at least one electromagnet (9) is not energized and to allow the movement when the at least one electromagnet (9) is energized. The electrical rescue system further comprises an electrical connector (6) located at or in a platform door (4) or its frame structure (5), at or in a number of MAP panels, or at the platform (3), and connected to the at least one electromagnet (9) for supplying electrical current to the electromagnet (9) to energize the electromagnet (9).

IPC 8 full level

B66B 5/02 (2006.01)

CPC (source: EP)

B66B 5/027 (2013.01)

Citation (applicant)

- EP 0947460 A1 19991006 - INVENTIO AG [CH]
- EP 1142814 A1 20011010 - INVENTIO AG [CH]
- JP 2004238138 A 20040826 - OTIS ELEVATOR CO

Citation (search report)

- [XYI] JP 2008230757 A 20081002 - TOSHIBA ELEVATOR CO LTD
- [XYI] JP 2001019309 A 20010123 - HITACHI BUILDING SYS CO LTD
- [XYI] JP 2008074521 A 20080403 - MITSUBISHI ELECTRIC CORP
- [Y] WO 2016113471 A1 20160721 - KONE CORP [FI]
- [A] US 3610371 A 19711005 - ABBOTT PAUL DOUGLAS
- [A] WO 2008072023 A1 20080619 - OTIS ELEVATOR CO [US], et al

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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