

Title (en)

SAFETY SWITCH SYSTEM AND METHOD FOR SWITCHING A LIFT ASSEMBLY BETWEEN NORMAL AND INSPECTION MODE

Title (de)

SICHERHEITSSCHALTSYSTEM UND VERFAHREN ZUM UMSCHALTEN EINER AUFZUGSANLAGE ZWISCHEN EINEM NORMAL- UND EINEM INSPEKTIONSBETRIEBSMODUS

Title (fr)

SYSTÈME DE COMMUTATION DE SÉCURITÉ ET PROCÉDÉ DE COMMUTATION D'UNE INSTALLATION D'ASCENSEUR ENTRE UN MODE DE FONCTIONNEMENT NORMAL ET UN MODE DE FONCTIONNEMENT D'INSPECTION

Publication

EP 3814267 B1 20220706 (DE)

Application

EP 19732032 A 20190621

Priority

- EP 18180696 A 20180629
- EP 2019066497 W 20190621

Abstract (en)

[origin: WO2020002157A1] The present invention relates to a safety switching system (2) for a lift installation (1) and to a method for switching a lift installation between a normal operating mode and an inspection operating mode. The invention furthermore relates to a lift installation (1) having such a safety switching system (2). An electric motor (12) drives a lift cabin (8) in a lift shaft (5). The safety switching system (2) has a safety chain (14) that comprises at least one door contact switch (15) for determining or monitoring an open and/or closed state of a shaft door or cabin door (11) and an operating device (3) in the shaft (5) in a series circuit. The operating device (3) has a switch (4) for switching the lift installation (1) into a normal operating mode or inspection operating mode. The safety chain (14) is closed in order to drive the lift cabin (8) by way of the electric motor (12), as a result of which it is possible to create a current path between an electric power source (10a, 10b) and the electric motor (12). And the safety chain (14) is interrupted in order to interrupt the current path and thus stop the lift cabin (8). The safety switching system (2) additionally has a manual switch (7) outside the shaft (5) and at least one control element (K1, K2, K3). The series circuit of the safety chain (14) may be electrically closed or interrupted by activating or deactivating the control element (K1, K2, K3), whereas the current path to the electric motor (12) remains continuously interrupted until the manual switch (7) is activated, when the switch (4) of the operating device (3) switches the lift installation (1) from the inspection operating mode into the normal operating mode.

IPC 8 full level

B66B 5/00 (2006.01); **B66B 13/22** (2006.01)

CPC (source: EP US)

B66B 5/0031 (2013.01 - US); **B66B 13/22** (2013.01 - EP US); **B66B 5/0031** (2013.01 - EP); **B66B 5/005** (2013.01 - US); **B66B 5/0087** (2013.01 - US)

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)

WO 2020002157 A1 20200102; CN 112135787 A 20201225; CN 112135787 B 20221018; EP 3814267 A1 20210505; EP 3814267 B1 20220706; ES 2925279 T3 20221014; US 2021101781 A1 20210408

DOCDB simple family (application)

EP 2019066497 W 20190621; CN 201980033418 A 20190621; EP 19732032 A 20190621; ES 19732032 T 20190621; US 201915733700 A 20190621