

Title (en)

LIFT SYSTEM HAVING A CIRCUIT WITH A SWITCH MONITORED BY MEANS OF AN AC VOLTAGE SIGNAL

Title (de)

AUFZUGANLAGE MIT SCHALTKREIS MIT MITTELS EINES WECHSELSPANNUNGSSIGNALS ÜBERWACHTEM SCHALTER

Title (fr)

SYSTÈME D'ASCENSEUR COMPORTANT UN CIRCUIT DE COMMUTATION MUNI D'UN COMMUTATEUR SURVEILLÉ AU MOYEN D'UN SIGNAL DE TENSION ALTERNATIVE

Publication

**EP 3532421 A1 20190904 (DE)**

Application

**EP 17787199 A 20171025**

Priority

- EP 16195923 A 20161027
- EP 2017077234 W 20171025

Abstract (en)

[origin: WO2018077918A1] A lift system having a controller for controlling at least one drive and optionally further lift components is described. In this case, the controller comprises a circuit (35) having a switch (21) which is to be monitored and has an input (41) and an output (43), a signal transmitter unit (37) which is designed to apply an AC voltage signal (47) as an input signal to the input (41) of the switch (21) to be monitored, and a monitoring unit (39) which is designed to record an output signal applied to the output (43) of the switch (21) to be monitored and, on the basis of a comparison of the output signal with the input signal, to generate a monitoring signal which indicates a switching state of the switch (21) to be monitored. The switch (21) to be monitored may be, for example, a door switch which is possibly connected in series with other safety switches to form a safety chain. Applying the AC voltage signal instead of a conventional DC voltage signal makes it possible to avoid electrical corrosion in the switch and also makes it possible to increase a reliability of a detected switching state of the switch (21) to be monitored.

IPC 8 full level

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

CPC (source: EP US)

**B66B 1/30** (2013.01 - US); **B66B 5/0018** (2013.01 - US); **B66B 5/0031** (2013.01 - EP US); **B66B 13/22** (2013.01 - EP US)

Citation (search report)

See references of WO 2018077918A1

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)

**WO 2018077918 A1 20180503**; CN 109863107 A 20190607; CN 109863107 B 20220201; EP 3532421 A1 20190904; EP 3532421 B1 20200916; ES 2821409 T3 20210426; US 2019263628 A1 20190829

DOCDB simple family (application)

**EP 2017077234 W 20171025**; CN 201780066035 A 20171025; EP 17787199 A 20171025; ES 17787199 T 20171025; US 201716344072 A 20171025