

Title (en)

ELEVATOR WITH ELECTRIC CIRCUIT MONITORING A SWITCH WITH ALTERNATING CURRENT

Title (de)

AUFZUGANLAGE MIT SCHALTKREIS MIT MITTELS EINES WECHSELSPANNUNGSSIGNALS ÜBERWACHTEM SCHALTER

Title (fr)

ASCENSEUR AVEC CIRCUIT ELECTRIQUE ET SURVEILLANCE D'UN INTERUPTEUR AU MOYEN D'UNE TENSION ALTERNATIVE

Publication

EP 3532421 B1 20200916 (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)

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DOCDB simple family (publication)

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