

Title (en)
SAFETY MONITORING DEVICE FOR MONITORING OF SAFETY CONDITIONS IN A DEVICE FOR TRANSPORTING PEOPLE AND METHOD FOR OPERATING THE SAME

Title (de)
SICHERHEITSÜBERWACHUNGSVORRICHTUNG ZUM ÜBERWACHEN VON SICHERHEITSRELEVANTEN ZUSTÄNDEN IN EINER PERSONENFÖRDERANLAGE SOWIE VERFAHREN ZUM BETREIBEN DERSELBEN

Title (fr)
DISPOSITIF DE SURVEILLANCE DE SÉCURITÉ DESTINÉ À SURVEILLER DES CONDITIONS RELATIVES À LA SÉCURITÉ DANS UNE INSTALLATION DE TRANSPORT DE PERSONNES AINSI QUE PROCÉDÉ DE FONCTIONNEMENT D'UN TEL DISPOSITIF

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EP 18779406 A 20181005

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Abstract (en)
[origin: WO2019086205A1] The invention relates to a safety monitoring device (67) for monitoring safety-relevant states in a person-transporting system (1). Said device has: a first and a second double-contact relay (69, 71), both of which, controlled by a control voltage, switch a first working contact (77, 79) and a second working contact (81, 83) and a feedback contact (85, 87) synchronously with each other between an open and a closed relay state; and a first and a second controller (89, 91) for determining properties of the person-transporting system (1) which correlate with a safety-relevant state and for generating the control voltages for the first and second double-contact relays (69, 71) depending on the properties determined. A first safety monitoring switch assembly (93) for monitoring a first safety-relevant state and for correspondingly switching a first switching state in a safety monitoring chain (41) of the person-transporting device (1), and a second safety monitoring switch assembly (95) for monitoring a second safety-relevant state and for correspondingly switching a second switching state in the safety monitoring chain (41) of the person-transporting system (1) are formed by means of the two double-contact relays (69, 71) and the two controllers (89, 91). The first safety monitoring switch assembly (93) comprises the first working contact (77) of the first double-contact relay (69) and, connected in series with the latter, the first working contact (79) of the second double-contact relay (71). The second safety monitoring switch assembly (95) comprises the second working contact (81) of the first double-contact relay (69) and, connected in parallel with the latter, the second working contact (83) of the second double-contact relay (71).

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