

Title (en)

METHOD AND DEVICE FOR MONITORING OPERATING PARAMETERS IN A PASSENGER TRANSPORT INSTALLATION

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ÜBERWACHEN VON BETRIEBSPARAMETERN IN EINER PERSONENTRANSPORTANLAGE

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR SURVEILLER DES PARAMÈTRES DE FONCTIONNEMENT DANS UNE INSTALLATION DE TRANSPORT DE PERSONNES

Publication

EP 3595997 A1 20200122 (DE)

Application

EP 18710470 A 20180313

Priority

- EP 17161196 A 20170315
- EP 2018056130 W 20180313

Abstract (en)

[origin: WO2018166994A1] The invention relates to a method and a device (3) for monitoring operating parameters in a passenger transport installation (1) such as, for example, an elevator or an escalator. The passenger transport installation (1) has a plurality of sensors (37, 39, 41) detecting different operating parameters as well as a signal processing device (35). The method comprises the following steps: (i) repeatedly detecting a first operating parameter by means of a first (37) of the sensors; (ii) triggering a second (39) of the sensors as soon as the first operating parameter detected by the first sensor (37) assumes a predetermined trigger characteristic; (iii) detecting a second operating parameter by means of the second sensor (39) and transmitting a signal reproducing the detected second operating parameter to the signal processing device (35) in response to the triggering; and (iv) processing the signal, for example, in the signal processing device (35) or an external monitoring device (36) for monitoring the second operating parameter. Due to the intended remote triggering of individual sensors (39, 41) by other sensors (37, 39), a data processing amount and/or a data transmission amount can be reduced, a need for wiring can be reduced and complex sensor functions can be achieved with the aid of simple sensors (37, 39, 41) which cooperate with one another. This may in particular be advantageous during the retrofitting of existing passenger transport installations.

IPC 8 full level

B66B 5/00 (2006.01)

CPC (source: EP US)

B66B 1/3461 (2013.01 - US); **B66B 5/0031** (2013.01 - EP US); **B66B 5/0037** (2013.01 - US); **B66B 5/02** (2013.01 - US)

Citation (search report)

See references of WO 2018166994A1

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 2018166994 A1 20180920; AU 2018233072 A1 20190919; AU 2018233072 B2 20210520; BR 112019015935 A2 20200324; CA 3051111 A1 20180920; CN 110418760 A 20191105; CN 110418760 B 20210302; EP 3595997 A1 20200122; EP 3595997 B1 20220622; US 11884513 B2 20240130; US 2020002127 A1 20200102

DOCDB simple family (application)

EP 2018056130 W 20180313; AU 2018233072 A 20180313; BR 112019015935 A 20180313; CA 3051111 A 20180313; CN 201880018549 A 20180313; EP 18710470 A 20180313; US 201816482317 A 20180313