

Title (en)
METHOD AND SYSTEM FOR DETECTING PERSON TRAPPED BY ELEVATOR CAR

Title (de)
VERFAHREN UND SYSTEM ZUR ERKENNUNG EINER VON EINER AUFZUGSKABINE GEFANGENEN PERSON

Title (fr)
PROCÉDÉ ET SYSTÈME DE DÉTECTION D'UNE PERSONNE PIÉGÉE PAR UNE CABINE D'ASCENSEUR

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Application
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Abstract (en)
A method and system for detecting a person trapped by an elevator car. The method comprises: configuring an elevator controller (1) of an elevator to collect state parameters of an elevator car (3) in real time; configuring a digital transmission unit (2) of the elevator to continuously acquire the state parameters from the elevator controller and continuously store the state parameters; when the elevator is in a non-power-off state, the digital transmission unit detecting, according to a logical combination of the acquired state parameters, whether the elevator car is in a state of there being a person trapped therein; and when the elevator is in a power-off state, the digital transmission unit detecting, according to a logical combination of state parameters that are acquired one second before the elevator is powered off, whether the elevator car is in a state of there being a person trapped therein. In the method, whether there is a passenger in an elevator car is determined by using an internal message from an elevator controller, so that it is not necessary to mount an additional sensor even if the elevator is powered off, and the costs can be reduced.

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