

Title (en)
INTERFERENCE COMPENSATION OPTICALLY SYNCHRONIZED SAFETY DETECTION SYSTEM FOR ELEVATOR SLIDING DOORS

Title (de)
INTERFERENZKOMPENSIERENDES OPTISCH SYNCHRONISIERTES SICHERHEITSMELDESYSTEM FÜR AUFZUGSSCHIEBETÜREN

Title (fr)
SYSTEME DE DETECTION ET DE SECURITE SYNCHRONISE A SYNCHRONISATION OPTIQUE ET A COMPENSATION D'INTERFERENCE POUR LES PORTES COULISSANTES D'ASCENSEURS

Publication
EP 1588397 A1 20051026 (EN)

Application
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Priority
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Abstract (en)
[origin: WO2004059692A1] A method for detecting interference energy in a sliding door safety system (10) comprising the steps of disposing at least one emitter (11) along a first vertical surface, disposing at least one receiver (17) corresponding to the at least one emitter along a second vertical surface, activating the at least one receiver, activating the at least one emitter to emit an energy beam (23) comprising a modulated square wave of a predetermined frequency, sampling an energy intensity received by the activated at least one receiver a predetermined number of times recording each time a received energy intensity to form a plurality of recorded energy intensities, selecting the lowest magnitude one of the plurality of recorded energy intensities to form a lowest recorded energy intensity, comparing the lowest recorded energy intensity to a threshold value and determining a source of the energy intensity to be external when the lowest recorded energy intensity is less than the threshold value.

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