

Title (en)

DEVICE FOR SECURING THE LEAF MOVEMENTS OF AN AUTOMATIC REVOLVING DOOR BY MEANS OF A SENSOR SYSTEM

Title (de)

VORRICHTUNG ZUR SENSORISCHEN ABSICHERUNG DER FLÜGELBEWEGUNGEN EINER AUTOMATISCHEN DREHTÜR

Title (fr)

DISPOSITIF DE SÉCURISATION SENSORIELLE DES MOUVEMENTS DE BATTANT D'UNE PORTE TOURNANTE AUTOMATIQUE

Publication

**EP 3575534 B1 20220622 (DE)**

Application

**EP 19173659 A 20190509**

Priority

DE 102018208440 A 20180529

Abstract (en)

[origin: CN110541650A] The invention relates to a device for securing leaf movements of an automatic revolving door. The device comprises a sensing mechanism and a door control device, which communicates with the sensing mechanism. The sensing mechanism comprises a sensor unit, which is arranged on a door leaf in the hinge side, and/or a sensor unit, which is arranged on the door leaf opposite to the hinge side. A corresponding sensor unit comprises a distance scanner, which is at least substantially in a surface shape. The sensors and/or the door control device are designed in such a way that in a respective automatically executed learning cycle during an opening and/or closing cycle of the door leaf, a respective sensor unit measures the distances to the surroundings of the door leaf at a hinge side or hinge side level at successive door opening angles, a three dimensional image of the surroundings is determined from the measured values obtained in the different levels as a function of the door opening angle as a function of the distances from the surroundings measured in the different levels and as a function of the door opening angle and the three dimensional image of the surroundings determined in this way is stored.

IPC 8 full level

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CPC (source: CN EP)

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Cited by

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DOCDB simple family (publication)

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