

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

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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

E05F 15/42 (2015.01)

CPC (source: CN EP)

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Cited by

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DOCDB simple family (publication)

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