

Title (en)

AUTOMATICALLY ACTUATING DOOR, IN PARTICULAR A VERTICAL DOOR, AND METHODE FOR ITS ACTUATING

Title (de)

AUTOMATISCH BETÄTIGBARES TOR, INSBESONDERE HUBTOR, UND VERFAHREN ZUR DESSEN BETÄTIGUNG

Title (fr)

PORTE AVEC ACTIONNEMENT AUTOMATIQUE, NOTAMMENT PORTE RELEVABLE, ET METHODE POUR SON ACTIONNEMENT

Publication

EP 1470314 B1 20060222 (DE)

Application

EP 03706388 A 20030127

Priority

- DE 10203145 A 20020128
- EP 0300809 W 20030127

Abstract (en)

[origin: US2005224700A1] The invention relates to a device for automatically actuating a door, in particular a vertical door, which aims to replace to a great extent known signal generation devices or control signal sensors for opening the door or for the security monitoring of the closing motion of the door. This is achieved by a detector of a security system, which is configured as a scanner detector and operates according to reflective principles, for monitoring an area by allocation to one of the ground level aprons of the door, said detector being mounted in the vicinity of a lateral border of the door opening, at a height, which is adjusted to the maximum height of objects supported on the relevant apron that are not to be registered as obstacles. The scanning beam of said detector scans a horizontal fan-shaped area, which covers the relevant apron and has a low vertical depth, determined by the depth of the scanning beam, as the monitoring area. The radial dimension of said fan-shaped area, which is determined by the maximum measuring range of the scanning detector, is selected according to the size of the relevant apron.

IPC 8 full level

E06B 9/82 (2006.01); **E05F 15/43** (2015.01); **E06B 9/58** (2006.01); **E06B 9/88** (2006.01)

CPC (source: EP US)

B66B 13/06 (2013.01 - EP); **B66B 13/26** (2013.01 - EP); **E05F 15/43** (2015.01 - EP US); **E06B 9/58** (2013.01 - EP US); **E06B 9/88** (2013.01 - EP US); **E05F 2015/434** (2015.01 - EP US); **E05Y 2900/00** (2013.01 - EP US); **E05Y 2900/106** (2013.01 - EP US); **E06B 2009/587** (2013.01 - EP US)

Cited by

DE102015101017A1; WO2009121449A1; DE102015101017B4; US10605001B2; DE102008017244A1; DE102007050334A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

US 2005224700 A1 20051013; **US 7084388 B2 20060801**; AT E318364 T1 20060315; DE 10203145 C1 20030417; DE 50302470 D1 20060427; DK 1470314 T3 20060703; EP 1470314 A1 20041027; EP 1470314 B1 20060222; ES 2259134 T3 20060916; WO 03064802 A1 20030807

DOCDB simple family (application)

US 50274605 A 20050331; AT 03706388 T 20030127; DE 10203145 A 20020128; DE 50302470 T 20030127; DK 03706388 T 20030127; EP 0300809 W 20030127; EP 03706388 A 20030127; ES 03706388 T 20030127