

Title (en)  
Safety device for automatic gate

Title (de)  
Sicherheitsvorrichtung für Automatiktür

Title (fr)  
Dispositif de sécurité pour portail automatique

Publication  
**EP 1111180 A1 20010627 (FR)**

Application  
**EP 00403510 A 20001213**

Priority  
FR 9916182 A 19991221

Abstract (en)  
The switch comprises a cable extending along the door edge enabling detection of obstacle at any height. The safety device for an automatic door comprises a sensing bar intended to detect any obstacle obstructing closure of the door. This incorporates a cable (11) which extends in a direction which is transverse to the direction of movement of the door, and which has one end fixed securely to the door. The second end of the cable is linked to a core (17) which is mobile w.r.t. the door in a direction parallel to the cable. This core moves against the action of a spring (23). The core has a cylindrical shape, and includes two rings (18,19) of conducting material around its outside surface at its ends. These are linked internally by diodes, and brushes (15,16) make contact with the rings externally. If the core is moved, the electrical properties of the circuit are changed and detected.

Abstract (fr)  
Dispositif de sécurité pour barre palpeuse associée au vantail (1) d'un portail automatique, comportant un câble (11) de direction transversale au déplacement du dit vantail (1) et dont une première extrémité est fixe par rapport au vantail (1), la seconde extrémité étant liée à des moyens mobiles par rapport au vantail (1) et aptes à modifier l'état d'un circuit électrique commandant des moyens d'actionnement du vantail (1), caractérisé en ce que les dits moyens mobiles comprennent des moyens de conduction électrique intégrés au dit circuit électrique. <IMAGE>

IPC 1-7  
**E05F 15/10**; E05F 7/00; E06B 11/02; E06B 9/88; E05F 15/00; H01H 17/00

IPC 8 full level  
**E05F 15/00** (2006.01); **H01H 17/12** (2006.01)

CPC (source: EP)  
**E05F 15/48** (2015.01); **H01H 17/12** (2013.01); **E05Y 2201/654** (2013.01)

Citation (search report)  
• [A] DE 19533431 A1 19960515 - GFA GES FUER ANTRIEBSTECHNIK D [DE]  
• [A] EP 0911474 A2 19990428 - D F M AUTOMAZIONE S N C DI DIG [IT]

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