

Title (en)  
FAST DOOR WITH FLEXIBLE SCREEN

Title (de)  
SCHNELLLAUFTOR MIT FLEXIBLEM VORHANG

Title (fr)  
PORTE RAPIDE A ECRAN SOUPLE

Publication  
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Application  
**EP 08776271 A 20080611**

Priority  
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• FR 0704149 A 20070611

Abstract (en)  
[origin: WO2008152477A1] This fast door (1) being able to close off an opening made in a partition comprises: - a structure having notably two vertical uprights (3) in each of which a slide (5) is arranged, and a top horizontal element forming a lintel, and - a flexible screen (12) connected to the structure at the element forming a lintel by electromechanical means controlling the lowering and the raising of the screen (12), - control means for controlling the electromechanical means controlling the movement of the screen (12). According to the invention, at its bottom transverse end, the flexible screen (12) is fitted: - with a ballasting element that is rectilinear and flexible in a vertical plane and in a horizontal plane, capable of deforming and then resuming its rectilinear shape after a contact with an object placed on the trajectory of the screen (12) or encountering the latter, and - contact detection means positioned between the flexible ballasting element (14) and the bottom free end of the screen (12) connected to the control means and having a normal operating state and an abnormal operating state, the detection means being associated with the flexible ballasting element (14), and being capable of switching from the normal operating state to the abnormal operating state when there is a contact of the screen with a static or moving object placed on the trajectory of the screen (12) by a deformation of the flexible ballasting element (14) or of the bottom free end of the screen, the change of state of the detection means being converted into a signal that is transmitted to the control means for the purpose of ordering the stoppage and/or the raising of the screen to its open position by resuming its normal trajectory, and doing this with no external intervention on the flexible ballasting element (14) nor on the control means, nor on the screen (12), nor on the slides (5).

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