

Title (en)

Supervision device of the closed position of a pivoting shutter, especially of a safe door.

Title (de)

Vorrichtung zur Überwachung der Schliesslage eines schwenkbaren Verschlusses, insbesondere einer Panzerschranktür.

Title (fr)

Dispositif de surveillance de la position de fermeture d'un obturateur pivotant, en particulier d'une porte de coffre fort.

Publication

EP 0445531 B1 19940309 (DE)

Application

EP 91101480 A 19910205

Priority

DE 4007493 A 19900309

Abstract (en)

[origin: EP0445531A1] A device for monitoring or checking the closed position of a pivotable door (1), flap or the like, especially of an armoured safe door, or also of another closure of a room or container to be secured is equipped with an actuating member movable as a result of the pivoting of the door (1) and with a switch element loaded by this actuating member. For an installation which can also be carried out at a later date on already existing doors of this type, in which, for example, the pivot bearings (6) can be changed only with great difficulty, if at all, the actuating member is a tension- and pressure-resistant bar (4) which is deflectable or flexible transversely to its longitudinal extension and which is fastened at one end (5) to a fixed part behind the door (1) at a distance from the axis (A) of the pivot mounting (6) of the door (1). The bar (4) extends transversely relative to the orientation of the pivot axis (A) of the door (1) and, as a result of the pivoting of the door (1), is itself deflectable approximately in the same direction as the door (1), its free end (9) opposite the fastening end (5) lagging in relation to the door (1), that is to say executing a relative displacement movement which, during the closing of the door, takes place in the opposite direction and can therefore be utilised for carrying out switching operations. In the closed position of the door (1), therefore, the free end (9) of the bar (4) or a switch pin (16) located there can load a switch (2), a detent (3) or the like and can release it when the door (1) is opened even only at an acute angle, so that this slight opening of the door can be indicated or a closing of the bolt in this position of the door (1) blocked. <IMAGE>

IPC 1-7

E05G 1/10; G08B 13/06

IPC 8 full level

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CPC (source: EP)

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