

Title (en)  
Improved device for locking bolts in a safety door

Title (de)  
Einrichtung zum Blockieren von Riegeln in einer Sicherheitstür

Title (fr)  
Dispositif pour le blocage de pènes dans une porte de sécurité

Publication  
**EP 0732472 B1 20000202 (EN)**

Application  
**EP 96103334 A 19960304**

Priority  
IT BO950043 U 19950316

Abstract (en)  
[origin: EP0732472A2] The device for locking the bolt in a safety door, comprises a casing (1) provided with a hole (16) for the passage of a bolt (17) and adapted to be arranged in a seat formed in the upper edge of a door hinged to a door frame which is fixed to a wall. A spring-loaded sensor (19) is slideable in the casing (1) and has a chamfered end (30) which cooperates with the upper transverse member (33) of the door frame. A transversely movable pin (25) is arranged in the sensor (19), and has opposite ends engaged in slots (26,27) of the casing (1) that are shaped so as to lock the bolt (17) in a retracted position when the sensor (19) is expelled from the casing (1) by the action of a spring (31). The casing (1) is accommodated loosely in a cavity (14) formed in the upper rail of the door and comprises a flange (5) in which holes (6,7) are formed. The holes (6,7) are loosely engaged by bushes (8,9) which are rigidly coupled to a plate (10) that is superimposed on the flange (5), and are fixed by screws (11) to the upper rail of the door. The bushes (8,9) have a height which is greater than the thickness of the flange (5), so that by abutting against the upper rail of the door they allow tilting movements of the casing (1) in the cavity (14). <IMAGE>

IPC 1-7  
**E05B 63/20**; **E05B 65/00**; **E05B 65/10**

IPC 8 full level  
**E05B 63/20** (2006.01); **E05B 65/10** (2006.01)

CPC (source: EP)  
**E05B 63/20** (2013.01); **E05B 65/1013** (2013.01)

Cited by  
CN103075055A; EP1475495A3; CN112334350A

Designated contracting state (EPC)  
AT DE ES NL

DOCDB simple family (publication)  
**EP 0732472 A2 19960918**; **EP 0732472 A3 19970326**; **EP 0732472 B1 20000202**; AT E189499 T1 20000215; DE 69606444 D1 20000309; DE 69606444 T2 20000621; ES 2141986 T3 20000401; IT 238933 Y1 20010219; IT BO950043 U1 19960916; IT BO950043 V0 19950316

DOCDB simple family (application)  
**EP 96103334 A 19960304**; AT 96103334 T 19960304; DE 69606444 T 19960304; ES 96103334 T 19960304; IT BO950043 U 19950316