

Title (en)  
Effraction-resistant device for a lock with flat tumblers

Title (de)  
Einbruchsicherung für ein Schloss mit plattenförmigen Zuhaltungen

Title (fr)  
Dispositif anti-effraction pour une serrure à gorges

Publication  
**EP 0903455 A3 19990630 (EN)**

Application  
**EP 98116877 A 19980907**

Priority  
IT BO970565 A 19970918

Abstract (en)  
[origin: EP0903455A2] An effraction-resistant device for a lock with plate tumblers (18) comprising a casing (1) which slidably accommodates a bolt (9) whose tang (10) has a rack-like set of teeth (11) for moving the bolt by means of a double-pattern actuation key and a transverse pin (33) for locking the bolt so that it is engaged in openings (30) of the tumblers (18) which are elongated in the direction in which the bolt slides. The openings have, along their longitudinal edges, mutually opposite teeth (31,32) which form passages through which the transverse pin (33) can travel by successive key turns. The tumblers (18) have two slots (26,27) which are elongated at right angles to the tang (10) and are engaged by respective guiding pins (13,39) in order to guide the tumblers (18), in contrast with return springs (38), at right angles to the direction in which the bolt (9) slides. The device is characterized in that one (13) of the guiding pins is fixed and the other one (39) is movable and has opposite ends which are rigidly coupled, with play, in respective seats formed in respective mutually opposite walls of the box-like body, so as to allow movements of the pin in the slots and oscillations of the tumblers in an inclined position; engagement means (45,47) are provided which are adapted to engage the tumblers (18) when they are fraudulently made to oscillate in the inclined position. <IMAGE>

IPC 1-7  
**E05B 21/00**

IPC 8 full level  
**E05B 21/00** (2006.01); **E05B 63/00** (2006.01)

CPC (source: EP)  
**E05B 21/00** (2013.01); **E05B 63/0017** (2013.01)

Citation (search report)  
• [A] FR 2110096 A5 19720526 - CISA COSTRUZIONI ITALIAN  
• [A] EP 0780532 A1 19970625 - CISA SPA [IT]  
• [A] EP 0562539 A1 19930929 - CISA SPA [IT]  
• [A] EP 0582787 A2 19940216 - WITTKOPP CARL GMBH CO KG [DE]

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