

Title (en)

Penetration-resistant wall element, closure as well as tubular key safe

Title (de)

Durchbruchsicheres Wandelement, Verschluss sowie Schlüsselbüchse

Title (fr)

Élément de paroi résistant à la pénétration, couverture et conteneur de sécurité tubulaire pour une clef

Publication

EP 0911475 B1 20030205 (DE)

Application

EP 98811038 A 19981019

Priority

CH 242897 A 19971020

Abstract (en)

[origin: EP0911475A1] The internal surface (2) of an outer layer (1) of the barrier element has raised areas or ribs creating undulations with a depth of about 2 cm. The soft layer (3) runs parallel to the outer layer and is covered at the back by a metal layer (4). Independent claims are made for: a) a lock for a burglar proof chamber or container with a moving locking part; b) a secure key retainer, especially for holding an emergency key for a building. Preferred Features: The barrier element forms a lock cover and has an opening for a rotating locking cylinder with an inner end connected to a locking bolt and a cam. Cylinder rotation rotates the locking bolt and cam which raises a blocking pin into the unlocking position. Protection against drilling of the lock is effected by the cam falling and preventing locking bolt movement. A key retainer has a housing whose inner chamber is accessible by an opening closed by the lock. An insert of the locking part forms a ring around the locking cylinder. The disc-shaped locking bolt has locking pegs acting in conjunction with stop bolts. A swiveling anti-vandal cover is located in front of the barrier element and is locked or released by a locking system with a spring-loaded pin. Unlocking of the pin can be effected either by a remote signal controlling an electromagnet or by a magnet acting on a permanent magnet at the tip of the pin.

IPC 1-7

E05G 1/024; E05B 19/00

IPC 8 full level

E05B 19/00 (2006.01); **E05G 1/024** (2006.01)

CPC (source: EP)

E05B 19/0005 (2013.01); **E05G 1/024** (2013.01); **E05Y 2600/41** (2013.01); **E05Y 2600/452** (2013.01)

Cited by

US7123127B2; US7042334B2; US9670694B2; CN106760982A; CN110359775A

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