



MINISTERO DELLO SVILUPPO ECONOMICO  
DIREZIONE GENERALE PER LA TUTELA DELLA PROPRIETÀ INDUSTRIALE  
UFFICIO ITALIANO BREVETTI E MARCHI

# UIBM

|                           |                        |
|---------------------------|------------------------|
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|----------------|---------------|--------------------|---------------|--------------------|
| <b>Sezione</b> | <b>Classe</b> | <b>Sottoclasse</b> | <b>Gruppo</b> | <b>Sottogruppo</b> |
| E              | 05            | B                  |               |                    |

Titolo

SERRATURA DI SICUREZZA CON USCITA PERNI INCLINATI RISPETTO ALL'ASSE  
ORIZZONTALE

INVENZIONE INDUSTRIALE DAL TITOLO:

SERRATURA DI SICUREZZA CON USCITA PERNI INCLINATI RISPETTO  
ALL'ASSE ORIZZONTALE A NOME PRATI & NEGRI s.n.c. C.so Roma 37  
b 10024 MONCALIERI (To), di nazionalità italiana, nella  
pers: del leg.rapp. PRATI arch.Bruno

II APPROVA

10 FEB. 1994

10 FEB. 1994

DESCRIZIONE

TO 94A000073

L'oggetto della presente invenzione è una serratura di sicurezza che prevede l'uscita dei perni in posizione inclinata rispetto all'asse orizzontale. Detta serratura ha lo scopo di vanificare ogni tentativo di sfilare i perni dalla loro sede sia essa ricavata su un riscontro o direttamente nel telaio fisso di portoncini di sicurezza.

Infatti azionando l'uscita dei perni di sicurezza questi andranno ad infilarsi nei fori del riscontro in posizione inclinata e non sarà più possibile in nessun modo il distacco del blocco serratura dal riscontro, in quanto lo sforzo applicato tra serratura e telaio, atto a sfilare i perni, non farà altro che spingere gli stessi contro il riscontro, come illustrato nella Tav. 1 Fig. A. Nella stessa tavola è riportato l'esempio di una serratura tradizionale con la classica uscita dei perni in asse orizzontale Fig. B. In entrambi i casi lo sforzo di scasso tende a far uscire i perni dalla loro sede.

Attualmente in commercio esistono innumerevoli serrature di

sicurezza basate sul concetto della fuoriuscita di n... perni di forma variabile movimentati da chiave, pomoli , con comandi elettromagnetici, a pompa o altri di normale uso. Tutti questi sistemi prevedono l'uscita di perni in posizione orizzontale a mezzo di slitte o levarismi vari.

Nella Tav.1 fig. C sono schematizzati alcuni tipi di serrature di sicurezza del tipo tradizionale d'uso comune ed altre combinazioni possibili a perni inclinati oggetto del nuovo sistema di chiusura ideato. Il nuovo prodotto va realizzato con gli stessi principi delle serrature attuali con il solo accorgimento di guidare (con apposito sistema) i perni in modo da permetterne l'uscita inclinata nella direzione dell'asse desiderato. Basterà per esempio (vedi Tav.2) che i perni siano guidati nella loro inclinazione da un registro (A) dimensionato, posizionato, sagomato ed eseguito con materiale opportuno. I perni anziché essere spinti da una slitta alla quale sono fissati in modo da muoversi lungo l'asse della serratura saranno fissati e movimentati lungo l'asse desiderato mediante slitta asolata. E' chiaro che quanto sopra è solo uno degli esempi di applicazione del concetto base.

La finalità da raggiungere è quella di permettere l'uscita di perni di forma e dimensioni variabili in posizione inclinata rispetto all'asse orizzontale.

**Produced Pursuant to Protective Order**

## RIVENDICAZIONI

- 1 - Serratura di sicurezza con uscita inclinata dei perni in acciaio.
- 2 - Serratura come riv.1 comandabile in diversi modi, da chiave del tipo a doppia mappa, con cilindro, con sistemi di combinazione e chiave o altri.
- 3 - Serratura come riv. 1/2 caratterizzata dal fatto che possono essere usati perni con forme diverse ( es. tondo, ovale, quadro, rettangolo ecc...).
- 4 - Serratura come riv, 1/2/3 caratterizzata dal possibile uso di un numero di perni variabile in quantità (oltre allo scrocco) 2-3-4-5-6 o più.
- 5 - Serratura come riv. 1/2/3/4 caratterizzata dalla possibilità di utilizzare perni inclinati con inclinazioni variabili una dall'altra o a coppie.

*Red.*

*[Signature]*  
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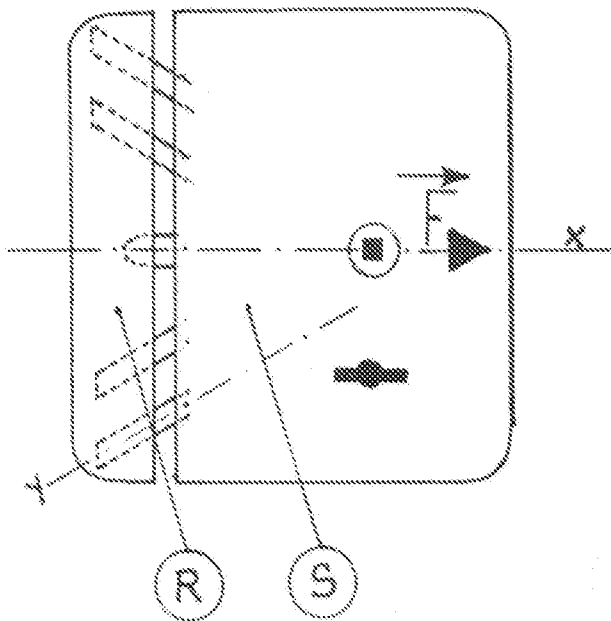
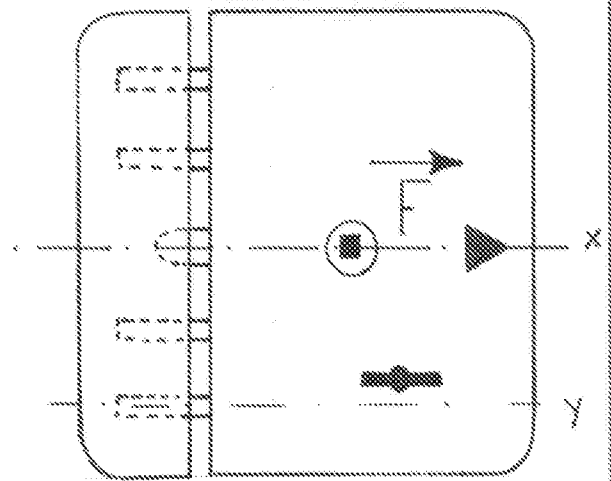


Fig. A

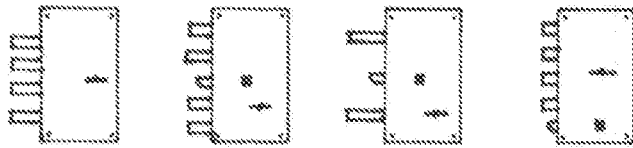
R riscontro

S serratura



F = direzione dello sforzo  
che tende a separare la  
serratura dal riscontro.

Fig. B



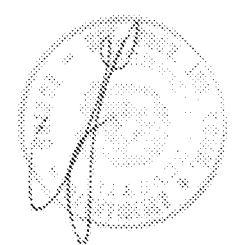
Esempi di serrature tradizionali di sicurezza

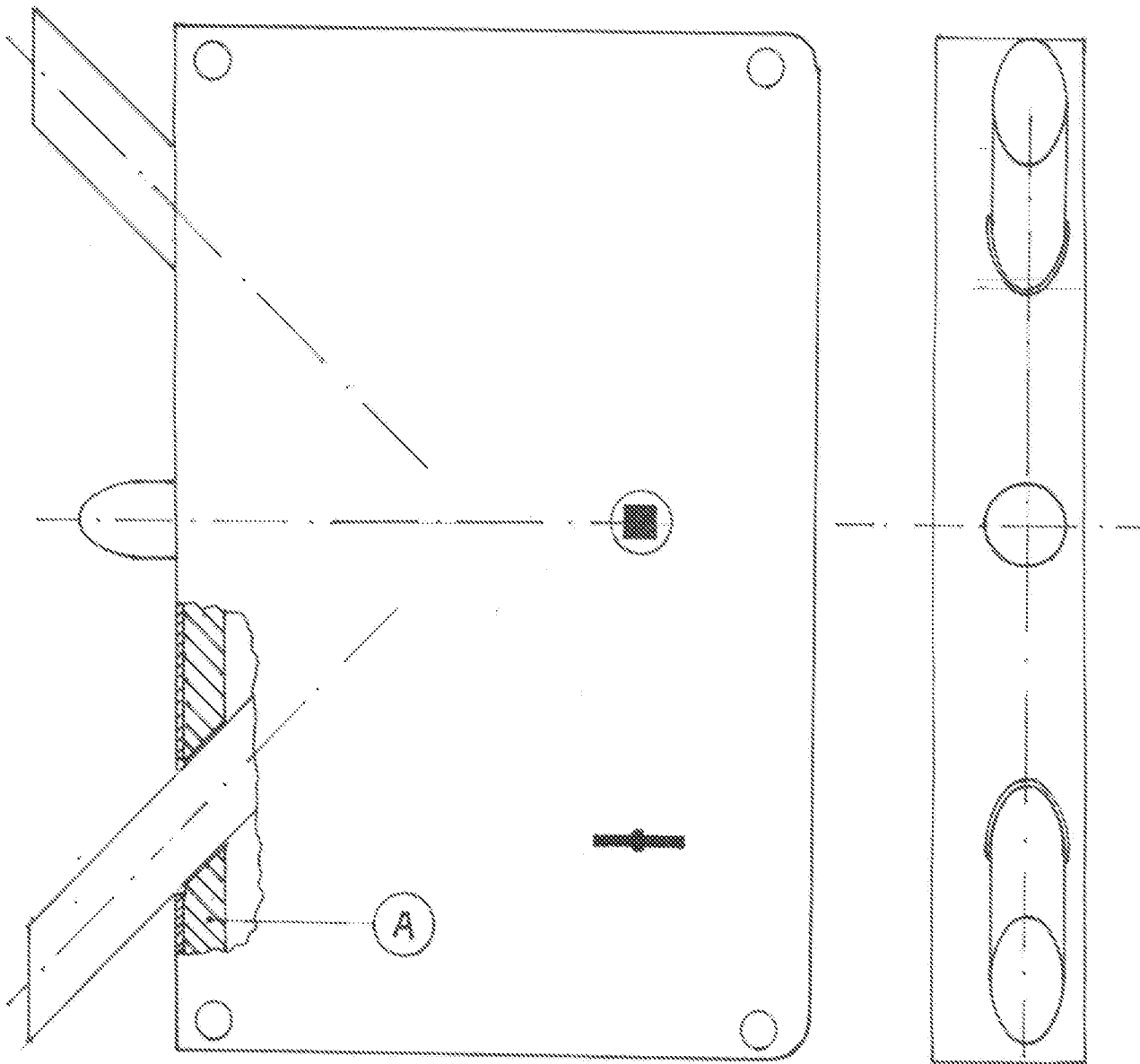
Fig. C



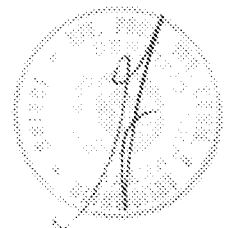
Esempi di serrature a perni inclinati

*Handwritten signature*





*Handwritten signature*



TAV. 2

SCALA INDICATIVA 1: 1,5