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(54) **MULTIFUNCTION DETACHING DEVICE FOR MAGNETIC ANTI-THEFT MECHANISMS**

MULTIFUNKTIONELLE ENTKOPPLUNGSVORRICHTUNG FÜR MAGNETISCHE
DIEBSTAHLSICHERUNG

DISPOSITIF DE LIBERATION MULTIFONCTION POUR DES MECANISMES ANTIVOL
MAGNETIQUES

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EP-A- 0 483 986

US-A- 4 527 310

US-A- 5 535 606

US-A- 5 956 981

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Description

[0001] The present invention refers to a multifunction detaching device for magnetic anti-theft devices. The main commercially available magnetic anti-theft mechanisms are composed, in particular, but not in a limiting way, of anti-theft cases adapted to contain therein and to protect objects such as, but not limited to, compact discs, DVD, musicassettes, videocassettes and the like, or of elongated anti-theft elements for eyeglasses, or of elements to be attached to garments and the like.

[0002] US-A-5 956 981 discloses a detaching device according to the preamble of Claim 1.

[0003] US-A-4527310 and EP-A-0 483 986 disclose magnetic detaching devices.

[0004] Anti-theft mechanisms of this type are known in the art for years; in order to remove the objects contained therein, the ones operating with the magnetic attraction principle must be equipped with so-called "detaching devices" containing magnetic elements with various shapes and sizes: when the anti-theft mechanism is approached to such detaching devices, they magnetically attract the closing elements with which such anti-theft mechanisms are equipped and they allow opening these latter ones and extracting the object contained and protected therein.

[0005] These opening operations usually occur near the payment counters of commercial shops that are equipped with such anti-theft arrangements and, in the currently marketed versions, these detaching devices have two main types of problems:

- due to the presence of magnetic anti-theft mechanisms with various shapes, sizes, and closing and opening methods, it is not rare that, above all in big supermarkets, it is necessary to procure several detaching devices, each one adapted to open a particular type of anti-theft mechanism. This has obvious operating and space problems for responsible operators;
- since the detaching devices are usually secured to the surfaces on which they have to operate, they remain, at certain times of the day (for example during the night or on holidays when the commercial shops are closed), not attended by any operator and therefore they are subjected to be used incorrectly by anyone having access thereto, obviously in order to open the magnetic anti-theft mechanisms and to illegally get their contents.

[0006] Object of the present invention is solving the above prior-art problems, by providing a multifunction detaching device that allows opening a plurality of different types of magnetic anti-theft mechanisms with a single practical arrangement, with small sizes and composed of very few parts, which allows highly reducing its cost and making its application easier even in restricted areas.

[0007] A further object of the present invention is pro-

viding a multifunction detaching device of the above-mentioned type that is further equipped with means preventing the undesired access to the detaching elements contained therein.

[0008] The above and other objects and advantages of the invention, as will result from the following description, are obtained by a multifunction detaching device according to Claim 1. Preferred embodiments of the present invention are claimed in the dependent claims.

[0009] The present invention will be better described by some preferred embodiments thereof, provided as a non-limiting example, with reference to the enclosed drawings, in which:

- Figure 1 is a perspective view of the multifunction detaching device of the present invention in its closing position;
- Figure 2 is a similar view to Fig. 1 in which the device is shown in its operating opening position;
- Figure 3 is a side sectional view of the device of Fig. 1, that shows its components during the closing step; and
- Figure 4 is an exploded perspective view of the main components that compose the detaching device of the invention.

[0010] With reference to the Figures, a preferred, but not limiting, embodiment of the multifunction detaching device 1 of the present invention is shown. It will be immediately obvious to the skilled people in the art that numerous modifications and variations could be performed to the described device 1, without departing from the scope of the invention, as defined in the enclosed claims.

[0011] With reference to the preferred embodiment shown in the Figures, the multifunction detaching device 1 for magnetic anti-theft mechanisms of the invention substantially comprises:

- a support body 2;
- at least one first magnetic detaching element 3 with an elongated shape; and
- at least one second magnetic detaching element 5 with a circular shape.

[0012] In particular, the first and second magnetic detaching elements 3, 5 can be placed in a respectively coaxial position, in order to detach a magnetic anti-theft mechanism (for example an anti-theft case) that is equipped with blocking elements both of the lamellar spring type, and of the cylindrical pin-spring type.

[0013] With this arrangements, the detaching device 1 moreover can be used both for opening common anti-theft cases for compact discs, DVD, musicassettes, videocassettes, eyeglasses and the like, that need elongated detaching elements 3, and for opening anti-theft elements contained, for example, on garments, or on other types of anti-theft cases, that need detaching elements

5 with a circular shape.

[0014] The detaching device 1, in its preferred embodiment adapted to prevent its illegal use, can be further equipped with anti-theft covering means 7 adapted to prevent an undesired access to the first and second magnetic detaching elements 3, 5.

[0015] In particular, the anti-theft covering means 7 can be of the detachable type (as shown in the Figures) from the multifunction detaching device 1 upon their removal when it is necessary to activate the multifunction detaching device 1, or, according to a not-shown alternative, the anti-theft covering means 7 can be realised integrally with the multifunction detaching device 1, and are adapted to be lifted away from and to allow accessing to the device 1 when it is necessary to activate it, but remain hinged thereto also during the opening step.

[0016] Moreover, the anti-theft covering means 7 are equipped with blocking means 9 and are adapted to be placed above the multifunction detaching device 1 in order to cover the first and second magnetic detaching elements 3, 5. The blocking means 9 are composed of a latch element 11 and of a key 13 for its actuation between an opening position and a closing position of the anti-theft covering means 7.

[0017] The latch element 11 is composed of a small elongated cylinder 14 equipped with a projecting tooth 15 adapted to engage a corresponding recess 16 obtained in the support body 2 to guarantee the closure of the anti-theft covering means 7 over the multifunction detaching device 1.

[0018] According to the embodiment shown, the first magnetic detaching element 3 is composed of two elongated parallelepiped-shape bars 18, 20 placed mutually paired and supported by a bearing element 21, preferably with a circular shape. Also the second magnetic detaching element 5 is supported by a bearing element 23, also preferably of a circular shape.

[0019] In order to facilitate the detaching operations of the magnetic anti-theft mechanisms, the multifunction detaching device 1 further comprises first alignment means 22 that cooperate with the first magnetic detaching element 3 in order to align the area of the magnetic anti-theft mechanism to be subjected to detachment with the first magnetic detaching element 3.

[0020] In particular, the first alignment means 22 are composed of an elongated projection arranged in parallel with the first magnetic detaching element 3.

[0021] The multifunction detaching device 1 further comprises second alignment means 24 that also cooperate with the first magnetic detaching element 3 in order to align the area of the magnetic anti-theft mechanism to be subjected to detachment with the first magnetic detaching element 3.

[0022] In particular, the second alignment means 24 are composed of a small cylinder 26 and of a spring 28, both placed in the support body 2: the small cylinder 26 cooperates with the spring 28 that keeps the small cylinder 26 projecting outside the support body 2 to guar-

antee the abutment of a magnetic anti-theft mechanism to be detached on the first magnetic detaching element 3; due to its arrangement, moreover, the small cylinder 26, according to applications, is adapted to be pushed inside the support body 2 if it is not necessary that it projects from the support body 2 to guarantee an alignment.

[0023] Finally, the support body 2 is equipped with at least one through-hole 30 adapted to allow securing the support body 2 to a surface (not shown) that must be unmovably equipped with the multifunction detaching device 1 of the invention.

[0024] As regards the materials of which they are composed, the first and second magnetic detaching elements 3, 5 are made of magnetic material, while all other components of the multifunction detaching device 1 are made of light-weight metal (screw, small cylinder, spring) or plastic material, in order to guarantee lightness, compactness and capability to be handled.

Claims

1. Multifunction detaching device (1) for magnetic anti-theft devices comprising:

- a support body (2);
- at least one first detaching element (3) with an elongated shape; and
- at least one second detaching element (5)

characterised in that:

- said second detaching element (5) has a circular shape;
- both said at least one first detaching element (3) and said at least one second detaching element (5) are of a magnetic type; and
- said first and second magnetic detaching elements (3, 5) are placed in a respectively coaxial position, in order to detach a magnetic anti-theft mechanism that is equipped with blocking elements both of the lamellar spring type, and of the cylindrical pin-spring type.

2. Detaching device (1) according to claim 1, **characterised in that** it is further equipped with anti-theft covering means (7) adapted to prevent an undesired access to said first (3) and second (5) magnetic detaching elements.

3. Detaching device (1) according to claim 2, **characterised in that** said anti-theft covering means (7) are of the detachable type from said multifunction detaching device (1) upon their removal when it is necessary to activate said multifunction detaching device (1).

4. Detaching device (1) according to claim 2, **characterised in that** said anti-theft covering means (7) are realised integrally with said multifunction detaching device (1), being adapted to be lifted away from and to allow accessing to said device (1) when it is necessary to activate said multifunction detaching device (1), but remaining hinged to said device (1) also during the opening step.
5. Detaching device (1) according to claim 2, 3 or 4, **characterised in that** said anti-theft covering means (7) are equipped with blocking means (9) and are adapted to be placed above said multifunction detaching device (1) in order to cover said first (3) and said second (5) magnetic detaching elements.
6. Detaching device (1) according to claim 5, **characterised in that** said blocking means (9) are composed of a latch element (11) and of a key (13) for its actuation between an opening position and a closing position of said anti-theft covering means (7).
7. Detaching device (1) according to claim 6, **characterised in that** said latch element (11) is composed of a small elongated cylinder (14) equipped with a projecting tooth (15) adapted to engage a corresponding recess (16) obtained in said support body (2) to guarantee the closure of said anti-theft covering means (7) over said multifunction detaching device (1).
8. Detaching device (1) according to claim 1, **characterised in that** said first magnetic detaching element (3) is composed of two elongated parallelepiped-shape bars (18, 20) placed mutually paired.
9. Detaching device (1) according to claim 1, **characterised in that** said multifunction detaching device (1) further comprises first alignment means (22) that cooperate with said first magnetic detaching element (3) in order to align the area of the magnetic anti-theft mechanism to be subjected to detachment with said first magnetic detaching element (3).
10. Detaching device (1) according to claim 9, **characterised in that** said first alignment means (22) are composed of an elongated projection arranged in parallel with said first magnetic detaching element (3).
11. Detaching device (1) according to claim 1, **characterised in that** said multifunction detaching device (1) further comprises second alignment means (24) that cooperate with said first magnetic detaching element (3) in order to align the area of the magnetic anti-theft mechanism to be subjected to detachment with said first magnetic detaching element (3).
12. Detaching device (1) according to claim 11, **characterised in that** said second alignment means (24) are composed of a small cylinder (26) and of a spring (28), both placed in said support body (2), said small cylinder (26) cooperating with said spring (28) that keeps said small cylinder (26) projecting outside said support body (2) to guarantee the abutment of a magnetic anti-theft mechanism to be detached on said first magnetic detaching element (3), said small cylinder (26), according to applications, being adapted to be pushed inside said support body (2) if it is not necessary that it projects from said support body (2) to guarantee an alignment.
13. Detaching device (1) according to claim 1, **characterised in that** said support body (2) is equipped with at least one through-hole (30) adapted to allow securing the support body (2) to a surface that must be unmovably equipped with said multifunction detaching device (1).
14. Detaching device (1) according to claim 1, **characterised in that** said first (3) and said second (5) magnetic detaching elements are made of magnetic material, securing screws, small cylinder and spring are made of light-weight metal, while all other components of said multifunction detaching device (1) are made of plastic material.
15. Detaching device (1) according to claim 1, **characterised in that** said magnetic anti-theft mechanisms are anti-theft cases containing compact discs, DVD, musicassettes, videocassettes and the like.
16. Detaching device (1) according to claim 1, **characterised in that** said magnetic anti-theft mechanisms are anti-theft elements for eyeglasses.
17. Detaching device (1) according to claim 1, **characterised in that** said magnetic anti-theft mechanisms are anti-theft elements for garments.

Patentansprüche

1. Multifunktionale Auslösevorrichtung (1) für magnetische Diebstahlschutzmechanismen, die enthält:
 - einen Stützkörper (2);
 - mindestens ein erstes langes magnetisches Auslöseelement (3); und
 - mindestens ein zweites Auslöseelement (5);
 und **dadurch gekennzeichnet ist, dass:**
 - das genannte zweite Auslöseelement (5) kreisförmig ist;
 - sowohl das genannte mindestens eine Auslö-

- seelement (3) als auch mindestens ein zweites Auslöseelement (5) magnetisch sind; und
 - das genannte erste und zweite magnetische Auslöseelement (3, 5) in entsprechend koaxialer Position angeordnet sind, um einen magnetischen Diebstahlschutzmechanismus auszulösen, der mit Blockierelementen wie sowohl einer Lamellenfeder als auch einem Walzenzapfen/einer zylindrischen Feder ausgestattet ist.
2. Auslösevorrichtung (1) gemäß Patentanspruch 1, die **dadurch gekennzeichnet ist, dass** sie außerdem mit Diebstahlschutz-Abdeckvorrichtungen (7) ausgestattet ist, die dazu dienen, einen unerwünschten Zugang auf das genannte erste (3) und das genannte zweite (5) magnetische Auslöseelement zu verhindern.
 3. Auslösevorrichtung (1) gemäß Patentanspruch 2, die **dadurch gekennzeichnet ist, dass** die genannten Diebstahlschutz-Abdeckvorrichtungen (7) in der Entfernungsphase, wenn die genannte multifunktionale Auslösevorrichtung (1) aktiviert werden muss, von der genannten multifunktionalen Auslösevorrichtung (1) abnehmbar sind.
 4. Auslösevorrichtung (1) gemäß Patentanspruch 2, die **dadurch gekennzeichnet ist, dass** die genannten Diebstahlschutz-Abdeckvorrichtungen (7) in einem Stück mit der genannten multifunktionalen Auslösevorrichtung (1) realisiert sind und dazu dienen, angehoben zu werden und den Zugriff auf die genannte Vorrichtung (1) zu ermöglichen, wenn die genannte multifunktionale Auslösevorrichtung (1) aktiviert werden muss, aber sie bleiben an ihr auch in der Öffnungsphase gelenkig.
 5. Auslösevorrichtung (1) gemäß Patentanspruch 2, 3 oder 4, die **dadurch gekennzeichnet ist, dass** die genannten Diebstahlschutz-Abdeckvorrichtungen (7) mit Blockiervorrichtungen (9) ausgestattet sind, die dazu dienen, über der genannten multifunktionalen Auslösevorrichtung (1) angebracht zu werden, um das genannte erste (3) und das genannte zweite (5) magnetische Auslöseelement abzudecken.
 6. Auslösevorrichtung (1) gemäß Patentanspruch 5, die **dadurch gekennzeichnet ist, dass** die genannten Blockiervorrichtungen (9) aus einem Riegeelement (11) und einem Schlüssel (13) für die Betätigung zwischen einer Öffnungs- und Verschlussposition der genannten Diebstahlschutz-Abdeckvorrichtungen (7) bestehen.
 7. Auslösevorrichtung (1) gemäß Patentanspruch 6, die **dadurch gekennzeichnet ist, dass** das genannte Riegeelement (11) aus einem langen Zylinder (14) besteht, der mit einem herausragenden Zahn (15) ausgestattet ist, der dazu dient, an einem entsprechenden Hohlraum (16) befestigt zu werden, der in dem genannten Stützkörper (2) angebracht ist, um den Verschluss der genannten Diebstahlschutz-Abdeckvorrichtungen (7) über der genannten multifunktionalen Auslösevorrichtung (1) zu garantieren.
 8. Auslösevorrichtung (1) gemäß Patentanspruch 1, die **dadurch gekennzeichnet ist, dass** das genannte erste magnetische Auslöseelement (3) aus zwei langen paralleleffachen Einsätzen (18, 20) besteht, die gegenseitig nebeneinander angeordnet sind.
 9. Auslösevorrichtung (1) gemäß Patentanspruch 1, die **dadurch gekennzeichnet ist, dass** die genannte multifunktionale Auslösevorrichtung (1) außerdem erste Ausrichtungsvorrichtungen (22) enthält, die mit dem genannten ersten magnetischen Auslöseelement (3) zusammenarbeiten, um den Bereich des magnetischen Diebstahlschutzmechanismus auszurichten, der der Auslösung mit dem genannten ersten magnetischen Auslöseelement (3) unterstellt werden muss.
 10. Auslösevorrichtung (1) gemäß Patentanspruch 9, die **dadurch gekennzeichnet ist, dass** die genannten ersten Ausrichtungsvorrichtungen (22) aus einer langen Protuberanz bestehen, die parallel zum genannten ersten magnetischen Auslöseelement (3) angeordnet sind.
 11. Auslösevorrichtung (1) gemäß Patentanspruch 1, die **dadurch gekennzeichnet ist, dass** die genannte multifunktionale Auslösevorrichtung (1) außerdem zweite Ausrichtungsvorrichtungen (24) enthält, die mit dem genannten ersten magnetischen Auslöseelement (3) zusammenarbeiten, um den Bereich des magnetischen Diebstahlschutzmechanismus auszurichten, der der Auslösung mit dem genannten ersten magnetischen Auslöseelement (3) unterstellt werden muss.
 12. Auslöseelement (1) gemäß Patentanspruch 11, die **dadurch gekennzeichnet ist, dass** die genannten zweiten Ausrichtungsvorrichtungen (24) aus einem Zylinder (26) und einer Feder (28) bestehen, die beide in dem genannten Stützkörper (2) angeordnet sind, der genannte Zylinder (26) arbeitet mit der genannten Feder (28) zusammen, die den genannten Zylinder (26) festhält, so dass er über den genannten Stützkörper (2) herausragt, um die Unterstützung eines magnetischen Diebstahlschutzmechanismus zu garantieren, der am genannten ersten magnetischen Auslöseelement (3) ausgelöst wird, der genannte Zylinder (26) dient gemäß den Anwendungen dazu, in den genannten Stützkörper (2) hinein

geschoben zu werden, wenn es nicht notwendig ist, dass er aus dem genannten Stützkörper (2) herausragt, um die Ausrichtung zu garantieren.

13. Auslösevorrichtung (1) gemäß Patentanspruch 1, die **dadurch gekennzeichnet ist, dass** der genannte Stützkörper (2) mit mindestens einer durchgehenden Bohrung (30) ausgestattet ist, um die Befestigung des Stützkörpers (2) an einer Oberfläche zu ermöglichen, die unversetzbar mit der genannten multifunktionalen Auslösevorrichtung (1) ausgestattet ist. 5
14. Auslösevorrichtung (1) gemäß Patentanspruch 1, die **dadurch gekennzeichnet ist, dass** das genannte erste (3) und das genannte zweite (5) magnetische Auslöseelement aus magnetischem Material und die Befestigungsschrauben, der Zylinder und die Feder aus Leichtmetall realisiert sind, während alle anderen Komponenten der genannten multifunktionalen Auslösevorrichtung (1) aus Kunststoff realisiert sind. 10
15. Auslösevorrichtung (1) gemäß Patentanspruch 1, die **dadurch gekennzeichnet ist, dass** die genannten magnetischen Diebstahlschutzmechanismen Diebstahlschutzgehäuse sind, die Compact Disc, DVD, Musikkassetten, Videokassetten u. ä. enthalten. 20
16. Auslösevorrichtung (1) gemäß Patentanspruch 1, die **dadurch gekennzeichnet ist, dass** die genannten magnetischen Diebstahlschutzmechanismen Diebstahlschutzelemente für Brillen sind. 25
17. Auslösevorrichtung (1) gemäß Patentanspruch 1, die **dadurch gekennzeichnet ist, dass** die genannten magnetischen Diebstahlschutzmechanismen Diebstahlschutzelemente für Kleidungsstücke sind. 30

Revendications

1. Dispositif séparateur multifonctions (1) pour mécanismes antivols magnétiques comprenant: 35

- un corps de support (2);
- au moins un premier élément séparateur (3) de forme allongée; et
- au moins un second élément séparateur (5); 40

caractérisé en ce que:

- ledit second élément séparateur (5) est de forme circulaire; 45
- aussi bien ledit au moins un premier élément séparateur (3) que ledit au moins un second élément séparateur (5) sont du type magnétique; et

- lesdits premier et second élément séparateur magnétique (3, 5) sont placés en position respectivement coaxiale, dans le but séparateur un mécanisme antivol magnétique équipé d'éléments de blocage à la fois du type ressort à lames et du type axe à ressort cylindriques.

2. Dispositif séparateur (1) selon la revendication 1, **caractérisé en ce qu'il** est encore muni de moyens de couverture antivol (7) capables d'empêcher l'accès abusif audit premier (3) et audit second (5) élément séparateur magnétique. 5
3. Dispositif séparateur (1) selon la revendication 2 **caractérisé en ce que** les moyens de couverture antivol (7) sont séparables dudit dispositif séparateur multifonctions (1) lors de leur enlèvement lorsqu'il faut activer ledit dispositif séparateur multifonctions (1). 10
4. Dispositif séparateur (1) selon la revendication 2 **caractérisé en ce que** lesdits moyens de couverture antivol (7) sont réalisés de manière intégrale avec ledit dispositif séparateur multifonctions (1), puisqu'ils sont capables d'être soulevés et ôtés et de permettre l'accès audit dispositif (1) lors de l'activation du dispositif séparateur multifonctions (1), tout y en restant rattachés même en phase d'ouverture. 20
5. Dispositif séparateur (1) selon la revendication 2, 3, ou 4, **caractérisé en ce que** lesdits moyens de couverture antivol (7) sont équipés de moyens de blocage (9) et sont aptes à être placés sur ledit dispositif séparateur multifonctions (1) de manière à couvrir ledit premier (3) et ledit second (5) élément séparateur magnétique. 30
6. Dispositif séparateur (1) selon la revendication 5, **caractérisé en ce que** lesdits moyens de blocage (9) sont constitués d'un élément de verrou (11) et d'une clé (13) pour son actionnement entre une position d'ouverture et une de fermeture desdits moyens de couverture antivol (7). 35
7. Dispositif séparateur (1) selon la revendication 6, **caractérisé en ce que** ledit élément de verrou (11) est constitué d'un cylindre allongé (14) muni d'une dent saillante (15) capable d'engager une cavité correspondante (16) aménagée dans le corps de support (2) pour garantir la fermeture desdits moyens de couverture antivol (7) sur ledit dispositif séparateur multifonctions (1). 40
8. Dispositif séparateur (1) selon la revendication 1, **caractérisé en ce que** ledit premier élément séparateur magnétique (3) est constitué de deux barrettes allongées en forme de parallélogramme (18, 20) placées réciproquement côte à côte. 45

9. Dispositif séparateur (1) selon la revendication 1, **caractérisé en ce que** ledit dispositif séparateur multifonctions (1) comprend encore des premiers moyens d'alignement (22) qui coopèrent avec ledit premier élément séparateur magnétique (3) pour aligner la zone du mécanisme antivol magnétique à soumettre au détachement avec ledit premier élément séparateur magnétique (3). 5
10. Dispositif séparateur (1) selon la revendication 9, **caractérisé en ce que** lesdits premiers moyens d'alignement (22) sont constitués d'une protubérance allongée placée parallèlement audit premier élément séparateur magnétique (3). 10
11. Dispositif séparateur (1) selon la revendication 1, **caractérisé en ce que** ledit dispositif séparateur multifonctions (1) comprend encore des seconds moyens d'alignement (24) qui coopèrent avec ledit premier élément séparateur magnétique (3) pour aligner la zone du mécanisme antivol magnétique à soumettre au détachement avec ledit premier élément séparateur magnétique (3). 15 20
12. Dispositif séparateur (1) selon la revendication 11, **caractérisé en ce que** lesdits seconds moyens d'alignement (24) sont constitués d'un petit cylindre (26) et d'un ressort (28) les deux éléments étant placés dans ledit corps de support (2), ce petit cylindre (26) coopérant avec le ressort (28) qui maintient ledit cylindre (26) en position saillante par rapport au corps de support (2) pour garantir l'appui d'un mécanisme antivol magnétique à détacher sur ledit premier élément séparateur magnétique (3), ledit cylindre (26), selon les applications, étant capable d'être poussé à l'intérieur dudit corps de support (2) s'il n'est pas nécessaire qu'il dépasse du corps de support (2) pour garantir l'alignement. 25 30 35
13. Dispositif séparateur (1) selon la revendication 1, **caractérisé en ce que** ledit corps de support (2) possède au moins un trou passant (30) capable de permettre la fixation dudit corps de support (2) à une surface devant être équipée de manière inamovible du dispositif séparateur multifonctions (1). 40 45
14. Dispositif séparateur (1) selon la revendication 1, **caractérisé en ce que** ledit premier (3) et ledit second (5) éléments séparateur magnétiques sont réalisés en matériel magnétique, les vis de fixation, le petit cylindre et le ressort sont réalisés en métal léger, alors que tous les autres composants dudit dispositif séparateur multifonctions (1) sont réalisés en matière plastique. 50 55
15. Dispositif séparateur (1) selon la revendication 1, **caractérisé en ce que** lesdits mécanismes antivol magnétiques sont des étuis antivol contenant des disques compacts, DVD, musicassettes, cassettes vidéo et analogues.
16. Dispositif séparateur (1) selon la revendication 1, **caractérisé en ce que** lesdits mécanismes antivol magnétiques sont des éléments antivol pour lunettes.
17. Dispositif séparateur (1) selon la revendication 1, **caractérisé en ce que** lesdits mécanismes antivol magnétiques sont des éléments antivol pour vêtements.

Fig. 1

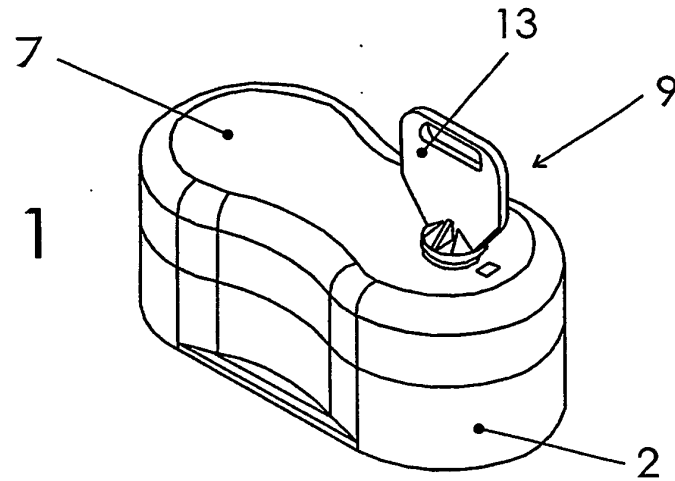


Fig. 2

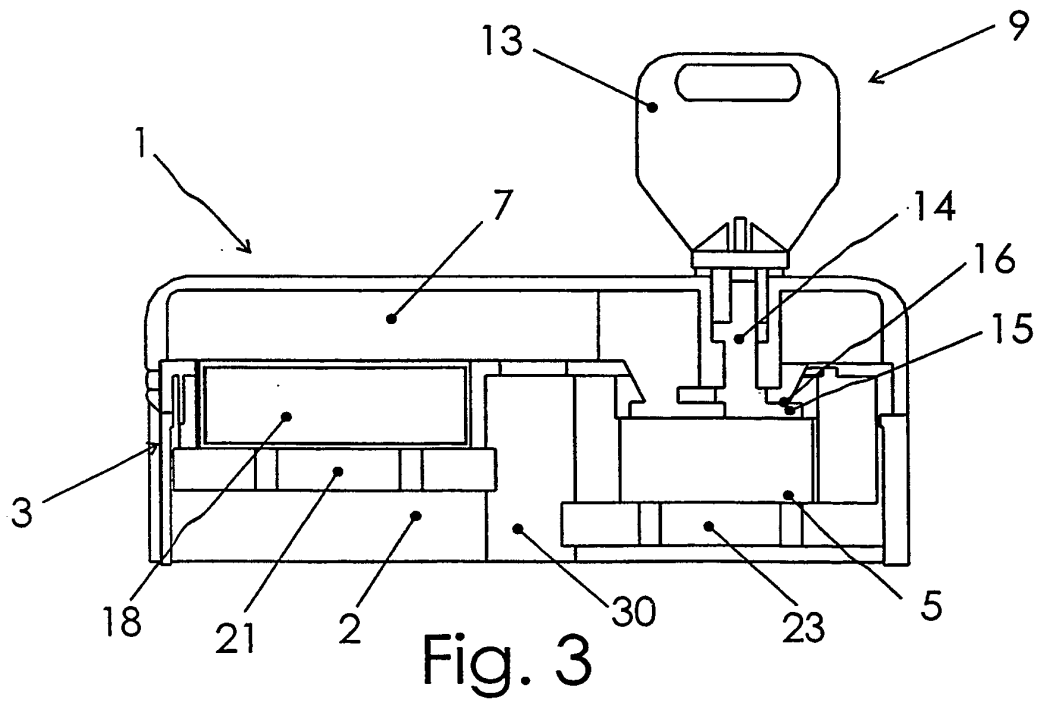
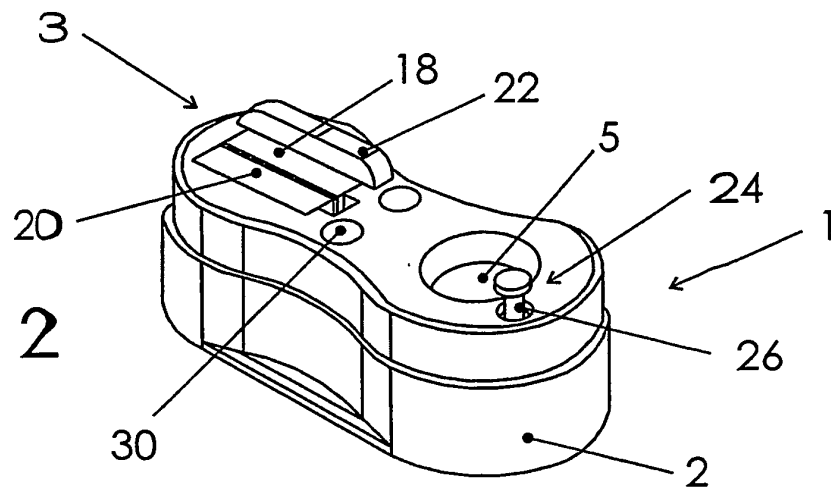


Fig. 3

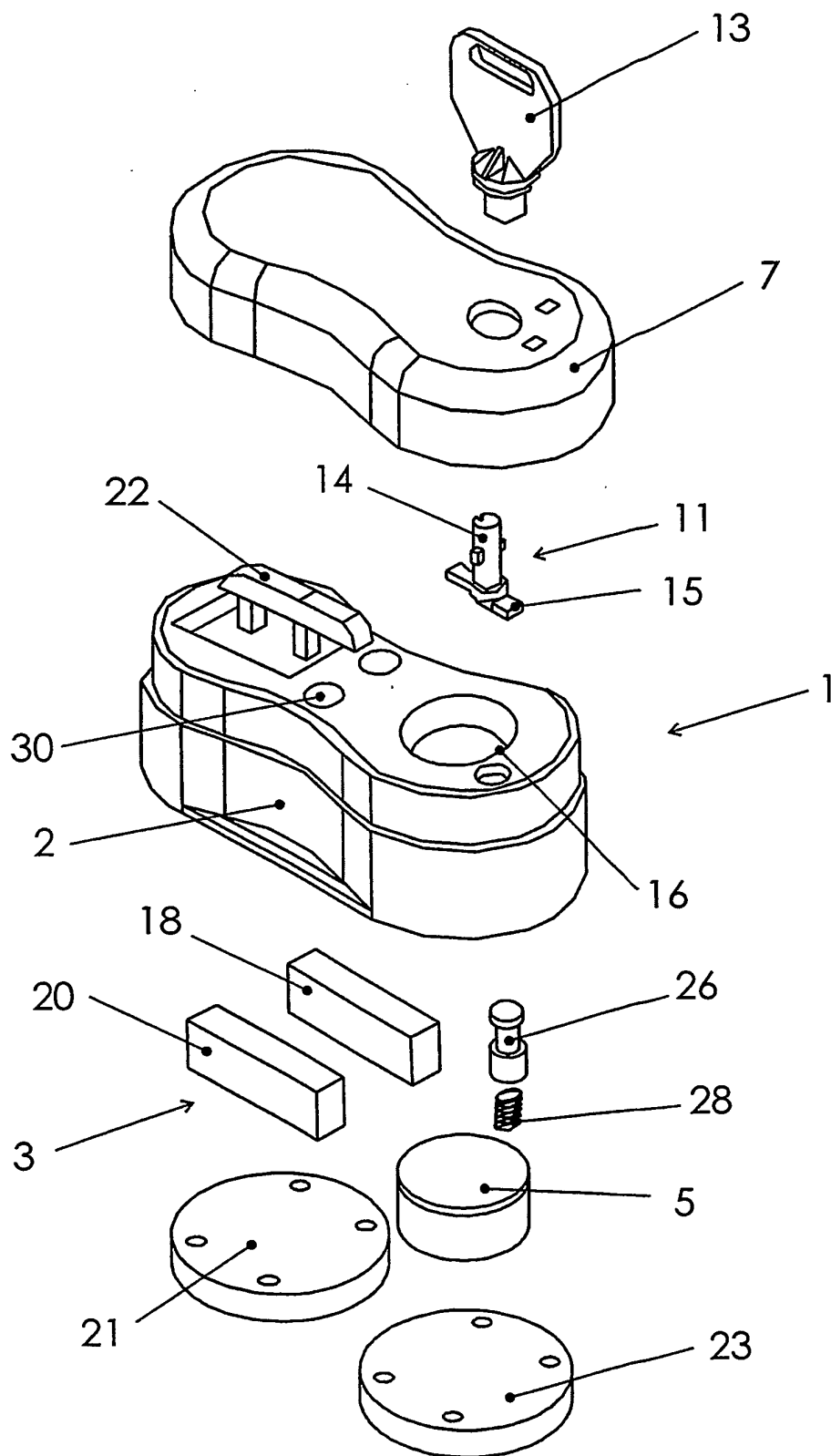


Fig. 4

REFERENCES CITED IN THE DESCRIPTION

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