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(54) **VERTICAL ANTI-SNATCHING STAND FOR HOLDING HANDBAGS**

(57) A vertical anti-snatching stand for holding handbags, which is structured into a main body formed by a slotted base (27) and a shaft (1) with two hooks (2a) and (2b) which are arranged at different heights and on the same plane, hooks which incorporate an anti-snatching safety locking system that has a fastener (3) that is articulated to the tip at the end of each of the hooks (2a) and (2b) by a spring bolt (4) for theft deterrence. The design of the invention facilitates, through the slot (26) of its base (27), the stacking of several units on said bases (27) to optimize space while it is not being used. The invention has two inventions that can be coupled: an elastic-mesh-type bag (12) to hold all handbags without a handle and a stand-alone box (14) to recharge electronic terminals.

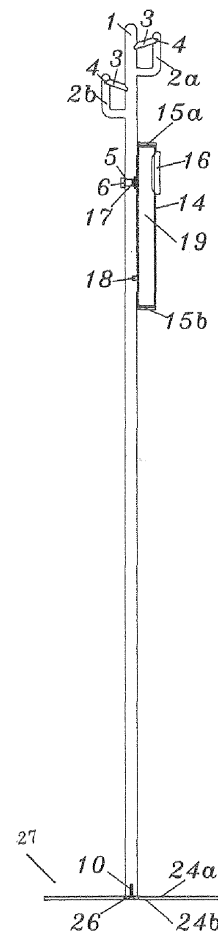


FIG-20

Description**OBJECT OF THE INVENTION**

[0001] The purpose of this invention is to manufacture a vertical anti-snatching stand to hold any type of hand-bag (with or without handles), which could be made from any solid, resistant material (steel, wood, plastic, resin, etc.) with the dimensions and design suitable for its simple and practical adaptation while it is placed next to a table and especially when it is in a public area; it has an anti-snatching security locking system based on a fastener that is articulated to the ends of the hooks of the invention, thus deterring the theft of the hanging bags. The assembly system assembling the shaft of the invention to its slotted support base is made through a single metric-thread screw with a countersunk head, facilitating not only the mounting of the main body of the invention, but also making its manufacture, packaging, collection and transportation to the customer very simple and cost-effective. The aforementioned slotted base slotted on one of its sides provides the invention with a fundamental quality: it allows the vertical anti-snatching stands for holding handbags to be stacked, fitting together through said slot, taking up minimum space while they are stored when not in use. An elastic-mesh-type bag can be hung on the anti-snatching hooks to hold bags that do not have their own handle (wallet-type bag, etc.). A stand-alone box for recharging mobile electronic terminals, which has an anti-theft locking system, may also be fixed to the shaft of the invention, which could take on different (preferably cylindrical) geometric shapes.

BACKGROUND OF THE INVENTION

[0002] Currently, there is no type of handbag-holding device with an anti-snatching security system that allows bags to be hung from it available on the market; nor is there one with a design that facilitates and saves costs on the manufacture, packaging, collection and transportation of these hangers and also foresees the simple holding and storage of these elements with maximum space optimization while they are not being used. Furthermore, there is no element on the market that hangs and holds handbags without handles (wallet-type, etc.).

[0003] There are different inventions on the market with the purpose of keeping belongings close while sitting at tables; however, the limited "in situ" maneuverability of their structure, due to the design of their hangers, hooks and bases, such as clothes-hanger-type hangers (large and small), or hangers hanging from table tops which are not equipped to support a minimum weight with stability or to be adapted to inconsistent surfaces, as well as having the permanent inconvenience of having a bag next to 10 legs; as well as hanger-chairs, where the belongings are behind our backs and out of sight, beyond our control and supervision; thus, making all of these inventions impractical, such that their use is limited to

few occasions and they are hardly sold.

DESCRIPTION OF THE INVENTION

[0004] The invention relates to a portable vertical stand with an anti-snatching system to hold all types of hand-bags, where said security system is made of a fastener that is articulated to the end of the hooks which acts as a theft-deterrent locking carabiner; said hooks that are attached by their base to the upper part of the shaft form, together with a square base slotted on one of its sides and with rounded vertices and a minimum thickness, the main body of the invention; this invention is assembled by a metric-threaded screw with a countersunk head and it has two accessories that can be coupled: an elastic-mesh-type bag in the form of a cylinder that is open on its lateral ends and has a handle so that it can be hung from any of the aforementioned hooks, and therefore securely hold bags that do not have a handle; and a stand-alone box which can be fixed to the shaft with an anti-theft system by a master key; said stand-alone box contains the elements necessary for energy storage, recharging connections, with a display of its level, and connections for charging mobile electronic elements.

[0005] The dimensions of the main body of the invention are based on maintaining a perfect balance between its weight, dimensions and minimum diameters and thicknesses, providing it with its own stability, which increases when the weight of the invention increases as bags are hung from its hooks, notably reinforcing the invention's center of gravity; such that, the greater the number of bags and weight hung from it, the greater the stability of said invention.

[0006] Thus, the vertical anti-snatching stand for holding handbags that is proposed by the invention:

Firstly, has an anti-snatching security system made of a fastener that is articulated to each one of the two hooks of the vertical stand, which act along with the shaft like a carabiner-type lock, offering security to the user by deterring thefts by snatching bags, especially if they are located on public terraces;

Secondly, and with regard to the above, allows any type of bag to be held, whether it has handles or lacks any kind of handle, thanks to an elastic-mesh-type bag in the form of a cylinder which is open on its lateral ends and hangs from any of the hooks of the invention by a handle;

Thirdly, the threaded assembly of the main body of the invention, made of the shaft and the slotted base, involves simple assembly and disassembly in a single operation, since a single stainless steel, metric-threaded screw with a countersunk head assembles the invention; this is done in such a way that once the countersunk head of the screw is introduced into the perforation of the underside of the base which will be supported on the ground, and which also has this countersunk shape in order to fit the head of said

screw and the threading to the lower end of the shaft, which contains female metric threading and a linear protrusion to be fit into said base in order to prevent the shaft from turning and to serve as a guide to ensure perfect assembly, it will be completely assembled and solid in a matter of seconds;

Fourthly, the design of the main body of the invention and of the accessories subordinated to it are sufficiently manageable to move them through the room or space where the design is placed for its use without interfering in the sometimes frenetic activity of places for social gatherings;

Fifthly, the design proposed by the invention allows for the easy collection of the vertical anti-snatching stands for holding handbags by allowing several units of said invention to be stacked on their slotted bases while they are not in use; the invention is introduced through its slot into the shaft on the base upon which it will be supported; this way, it stores a good number of them in an easy way that takes up minimal space, since the arrangement of its hanging hooks and the anchor location of the stand-alone box for charging mobile electronic terminals are arranged in a way that allows them to fit one on top of the other; this reduces the surface area occupied by the subsequent stacked units by 95%, in other words, after the first vertical anti-snatching stand for holding handbags, which occupies 100% of the size of its slotted base on the ground, the following stands that are fitted into said slot will only occupy a few more centimeters when the slot of the base is introduced into the lower part of the shaft, in a male-female way;

Sixthly, it also offers the possibility to couple a charging accessory of mobile electronic terminals, which consists of a preferably cylindrical stand-alone box that can be easily fixed, if required by the user, to the shaft by means of a threaded anchoring system with an anti-theft function; it is activated with a master key suited to the shape of the head of the nut-bolt, this nut-bolt being permanently introduced into the shaft of the invention to thus prevent it from being lost. Said stand-alone box contains the elements necessary for energy storage, recharging connections, with a display of its level, and connections for charging mobile electronic elements, where this stand-alone box is generally manufactured from the material of the main body of the invention, preferably treated steel, to especially protect all of its contained elements from its intense and aggressive use that is common in social, public places, where there are many users and employees who will handle this vertical anti-snatching stand for holding handbags. At the factory, when dismounting its two end closures, this stand-alone box also allows for the substitution and recycling of any of its contained elements that, with continued use, can lose their efficiency.

DESCRIPTION OF THE DRAWINGS

[0007] The description of the invention developed in the preceding point is completed with a series of drawings that emphasize the most characteristic aspects and points of the invention, drawings that are illustrative and non-limiting, and are included at the end as an integral part of the specification. These drawings contribute to a greater understanding of the scope of the invention, and at the same time serve as a point of reference in understanding exactly how the anti-snatching vertical stand for storing handbags works, especially in terms of its structure, storage and anti-snatching system.

FIG-1: Front elevation view of the shaft of the anti-snatching vertical stand for handbags.

FIG-2: Left-side elevation view of FIG-1.

FIG-3: Right-side elevation view of FIG-1.

FIG-4: Longitudinal elevation view of the nut-bolt.

FIG-5: Plan view of the head of FIG-4.

FIG-6: Side view of the countersunk-head screw.

FIG-7: Plan view of the head of FIG-6.

FIG-8: Plan view of the master key to secure the stand-alone box.

FIG-9: Plan view of the fastener.

FIG-10: General perspective view of FIG-9.

FIG-11: Front elevation view of the elastic-mesh-type bag for hanging bags without handles.

FIG-12: Perspective view of FIG-11.

FIG-13: Side elevation view of the stand-alone box.

FIG-14: Front elevation view of FIG-13.

FIG-15: Upper plan view of FIG-14.

FIG-16: Plan view of the slotted base, from its exposed upper side.

FIG-17: Plan view of the slotted base, from its underside supported on the ground.

FIG-18: Front elevation view of the main body of the invention.

FIG-19: Left-side elevation view of FIG-18 with the secured stand-alone box.

FIG-20: Front elevation view of FIG-19.

FIG-21: Left-side elevation view of FIG-20.

FIG-22: Plan view, as an example, of three coupled main bodies of the invention, with a secured stand-alone box.

FIG-23: Partial elevation view of the lower area of the three coupled main bodies of the invention.

FIG-24: General perspective view of the main body of the invention.

FIG-25: General perspective view of the main body of the invention, with a secured stand-alone box.

PREFERRED EMBODIMENT OF THE INVENTION

[0008] A description of an example of the invention with a shaft of a cylindrical geometry follows, making reference to the numbers used in the drawings.

[0009] Thus, FIGS-1, 2 and 3 show a shaft (1) made

from a carabiner-type, anti-snatching security system, formed by two hooks (2a and 2b) that are welded to the shaft (1) on the same plane and at different heights, to hold bags; the ends of said hooks (2a and 2b) having a fastener (3) with its shaft pin (4), which is shown in FIGS-9 and 10; the end of the lower part of said shaft (1), which has been recessed to achieve a linear protrusion (9), has female metric threading (8) on its inside to couple said shaft (1) to the slotted base (27) on its upper side (24a), which is shown in FIG-16, the linear protrusion (9) of the aforementioned shaft (1) fitting in the linear, smooth perforation (25a) and introducing the countersunk-head screw (10), which is shown in FIGS-6 and 7, into the countersunk linear perforation (25b) of the underside (24b), which is shown in FIG-17, threading said countersunk head screw (10) into the female metric threading (8), which is located on the inside (30) of the lower end of the shaft (1); this way, the countersunk linear perforation (25b) of the underside (24b) of the slotted base (27) allows the countersunk-head screw (10) to be fit, and once threaded, the lower surface (24b) of the slotted base (27) is completely level and in contact with the ground, as shown in FIGS-18, 19, 20, 21 and 23, without the possibility of erroneous coupling. This simple assembly serves to save and optimize its functionality and the space required by the invention in all of its stages, from its manufacture, transportation and collection, until it arrives to its place of use, as well as the possibility to later mount and dismount the main body of the invention in a single operation. In this way, FIG-24 shows how the main body of the invention would be arranged, to which the rest of the accessories can be added as an option in order to satisfy the needs of the user, such as the stand-alone box (14) as shown in FIG-25.

[0010] More specifically, FIGS-1, 18, 20, 24 and 25 show the anti-snatching security system formed by the hooks (2a and 2b), the fastener (3) with semi-circular ends, such that it is adjusted to the diameter of the shaft (1) of the invention, as shown in FIGS-9 and 10; placed in the perforations of the upper ends of each of the two hooks (2a and 2b) by means of the spring bolt (4) that secures the articulation, as shown in the previously mentioned FIGS-1, 2, 18, 20 and 22, configuring an automatic opening and closing mechanism that consists of pivoting from said articulation point, where the spring bolt (4) is located, towards the inside to open it; and towards the outside to close it, acting as a stop against the other semi-circular end of the concave termination of the fastener (3) against the shaft (1) of the invention, this assembly acting as a carabiner-type security lock.

[0011] As previously mentioned, the slotted base (27) shown in FIGS-16 and 17, which show the design of the slot (26) proposed by the invention, consists of a longitudinal opening that starts at the middle point of one of the sides of said slotted base (27) towards its center and with a width that is 2% greater than the thickness of the shaft (1) and a length that is 3/4 of half the total length of said slotted base (27) in order to stack the invention;

this way, said slot (26) is perpendicular to the position of the hooks (2a and 2b) when the shaft (1) and the slotted base (27) are assembled, as shown in the plan view of FIG-22; in order to couple the invention in that way with minimum space, stacking the slotted bases (27) of the assembly of the main body of the invention, one on top of the other, introducing the slot (26) onto the lower part of the shaft (1), and so on, as shown in FIG-23; and also allowing said arrangement of the invention to have a position for its collection, in the case that the stand-alone box (14) is located on the shaft (1), as shown in FIG-22.

[0012] The accessories that are included by the invention and that can be coupled will allow us to hang all types of handbags, without excluding the very fashionable wallet-type bags that do not have a handle; this is because the vertical anti-snatching stand for holding handbags, proposed by the invention, provides an accessory, which is shown in FIGS-11 and 12, that allows said bags to be introduced and held, and which consists of an elastic-mesh-type cylindrical bag (12), with two open lateral ends for the introduction of said bags, and a handle (13) to hang it from any of the hooks (2a and 2b) with the anti-snatching security system.

[0013] The other accessory that can be coupled is a stand-alone box (14), preferably in the form of a cylinder, which is shown in FIGS-13, 14 and 15, and which contains energy storage elements (19) inside of it, and has a housing (16) on its outside where the following are located: recharging connection (22) to power the energy storage unit (19), push button (23) to check the luminous display with its charge level (20), and a USB-type connection (21) to charge mobile electronic elements; there are two airtight lids on the ends of said stand-alone box (14) which are located on the upper (15a) and lower (15b) ends and which can be disassembled in the factory to change and recycle any element that needs to be substituted. To secure said stand-alone box (14) to the shaft (1) of the invention, there is an assembly and securing system that consists of simultaneously introducing the male metric-threaded bolt (17) into the nut-bolt (6) accommodated in the perforation (5) of the shaft (1), and another smooth bolt (18), which serves as a guide and securing complement to the stand-alone box (14) which will be introduced into the existing hole (7) of the shaft (1); this system allows service staff to easily place and remove said stand-alone box (14) with a simple turn of the nut-bolt head (6) by using the master key (11); this activates the anti-theft system of the stand-alone box (14), which is shown in FIG-8, where said master key (11) is adapted to the shape of the nut-bolt head (6), as shown in FIG-5.

Claims

1. A vertical anti-snatching stand for holding handbags, **characterized in that** it comprises a main body made up of a base (27) with a slot (26) to easily stack

the invention, and a shaft (1) with two hooks (2a and 2b) arranged at different heights and on the same plane; it has an anti-snatching security system on the hooks (2a and 2b), and two accessories that can be coupled, which are an elastic-mesh-type bag (12) to hold bags without a handle, and a stand-alone box (14) to recharge mobile electronic terminals.

2. A vertical anti-snatching stand for holding handbags, according to claim 1, **characterized in that** the anti-snatching security system is located on the hooks (2a and 2b) of the invention, based on a fastener (3) that is articulated to the tip at the end of each of the hooks (2a and 2b) by a spring bolt (4) that exerts permanent outward pressure, abutting against the shaft (1) to form a carabiner-type closure. 10
3. A vertical anti-snatching stand for holding handbags, according to claim 1, **characterized in that** the support base (27) of the invention has a square shape with rounded vertices, wherein from the middle point of one of its sides a longitudinal slot (26) extends towards the center of the base (27), with a width that is 2% greater than the thickness of the shaft (1) and a length that is 3/4 of half the total length of said slotted base (27) in order to easily stack the invention. 20 25
4. A vertical anti-snatching stand for holding handbags, according to claim 3, **characterized in that** the center of the support base (27) of the invention has a smooth longitudinal perforation (25a) on its exposed upper side (24a) with the same geometry and length as the protrusion (9) of the lower end of the shaft (1), and on its underside (24b), which is in contact with the ground, said perforation has a countersunk recess (25b) in its geometric center. 30 35
5. A vertical anti-snatching stand for holding handbags, according to the preceding claims, **characterized in that** the thickness of the lower end of the shaft (1) has been recessed to achieve a linear protrusion (9) in its countersunk center, where there is female threading (8) towards the inside of the shaft (1) so that once the protrusion (9) is introduced into the smooth longitudinal perforation (25a) of the slotted base (27) by its upper side (24a), the screw with a countersunk head (10) can be threaded. 40 45
6. A vertical anti-snatching stand for holding handbags, according to the preceding claims, **characterized in that** the assembly system of the shaft (1) with the slotted base (27) used to form the main base of the invention is carried out by means of a screw with a countersunk head (10) which is introduced into the countersunk perforation (25b) of the lower side of the base (24b) in order to thread it into the female metric threading (8) located inside the lower end of 50

the shaft (1).

7. A vertical anti-snatching stand for holding handbags, according to claim 1, **characterized in that** it has an elastic-mesh-type cylindrical bag (12) that is open on its lateral ends and has a handle (13) to place it on one of the hooks (2a and 2b) and secure it with the fastener (3) of the anti-snatching security mechanism. 5
8. A vertical anti-snatching stand for holding handbags, according to the preceding claims, **characterized in that** the shaft (1) has a through perforation (5) to store the nut-bolt (6) and another perforation (7) with a depth of 50% of the thickness of the shaft (1) to secure the stand-alone box (14). 10
9. A vertical anti-snatching stand for holding handbags, according to claim 1, **characterized in that** it has a stand-alone box (14), preferably made from the same material as the body of the invention, which accommodates energy storage elements (19) inside of it; and has a housing (16) on its outside where the following are located: recharging connection (22) to power the energy storage unit (19), push button (23) to check the luminous display with its charge level (20), and a USB-type connection (21) to charge mobile electronic elements. 20 25
10. A vertical anti-snatching stand for holding handbags, according to claim 9, **characterized in that** there are two airtight lids on the ends of said stand-alone box (14) which are located on the upper (15a) and lower (15b) ends and which can be disassembled to change and recycle any element that needs to be substituted. 30 35
11. A vertical anti-snatching stand for holding handbags, according to the preceding claims, **characterized in that** the stand-alone box (14) has a system for assembly and securing to the shaft (1) by means of the simultaneous introduction of the bolt with male metric threading (17) threaded onto the nut-bolt (6), accommodated in the perforation (5) of the shaft (1), and another smooth bolt (18), that is introduced into the hole (7) of the shaft (1). 40 45
12. A vertical anti-snatching stand for holding handbags, according to claim 11, **characterized in that** the stand-alone box (14) has an anti-theft system that is activated with the turn of the nut-bolt head (6) by means of the master key (11). 50
13. A vertical anti-snatching stand for holding handbags, according to the preceding claims, **characterized in that** the main body of the invention and of the stand-alone box (14) can be manufactured in all colors, materials and sizes that allow the invention to be used. 55

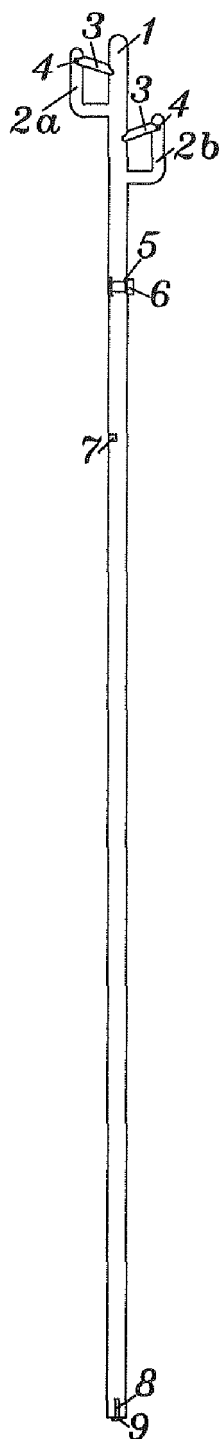


FIG-1

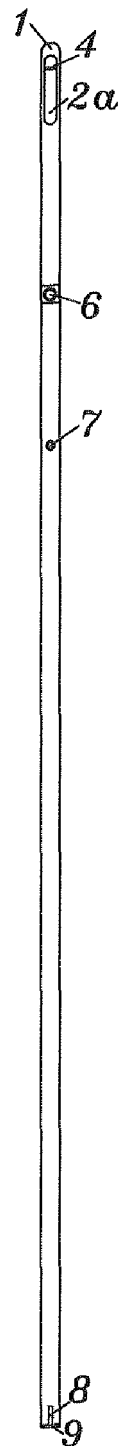


FIG-2



FIG-3

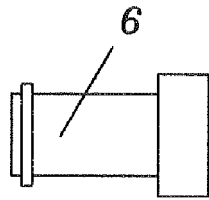


FIG-4

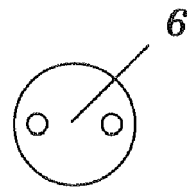


FIG-5

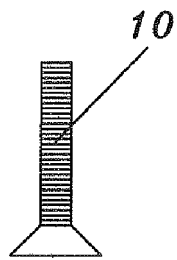


FIG-6

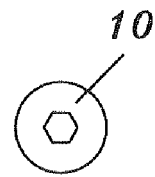


FIG-7

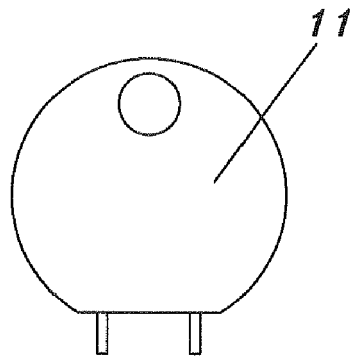


FIG-8

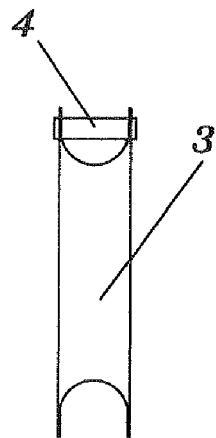


FIG-9

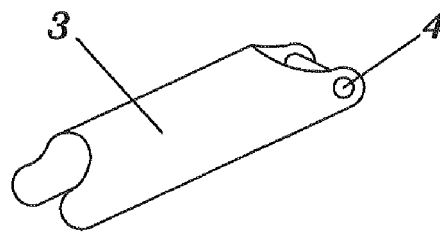


FIG-10

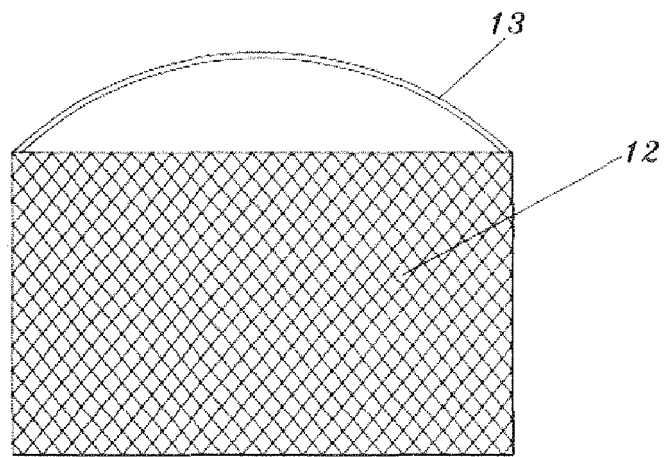


FIG-11

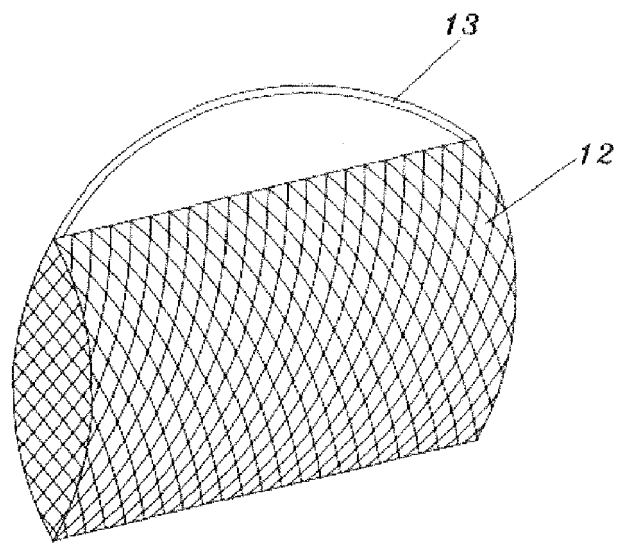


FIG-12

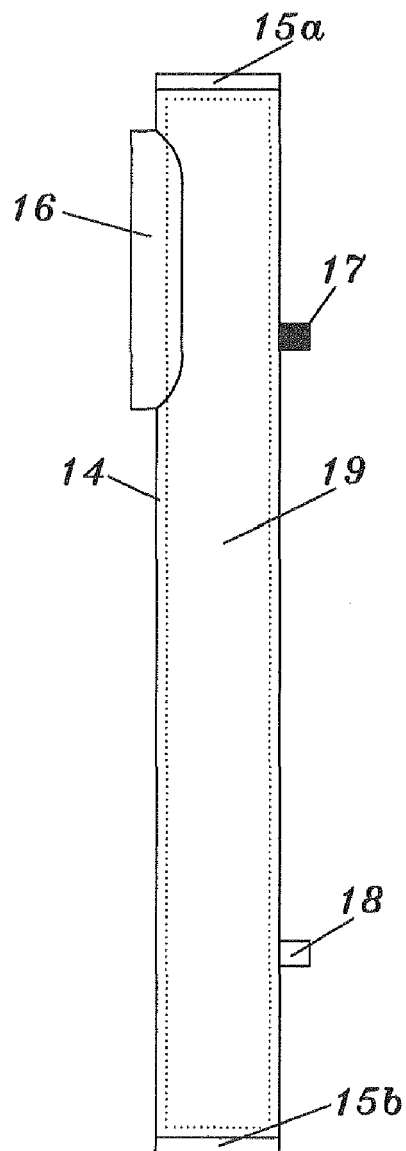


FIG-13

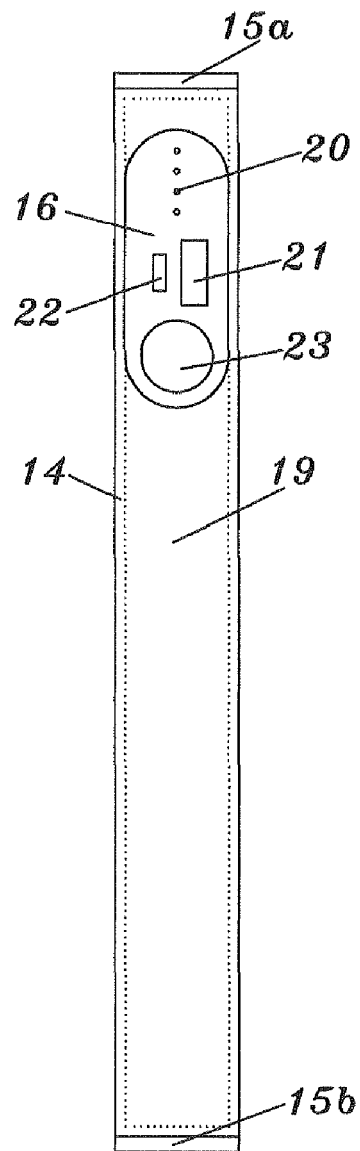


FIG-14

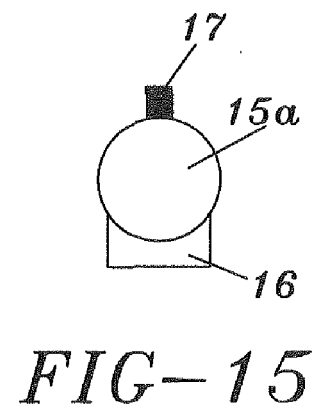


FIG-15

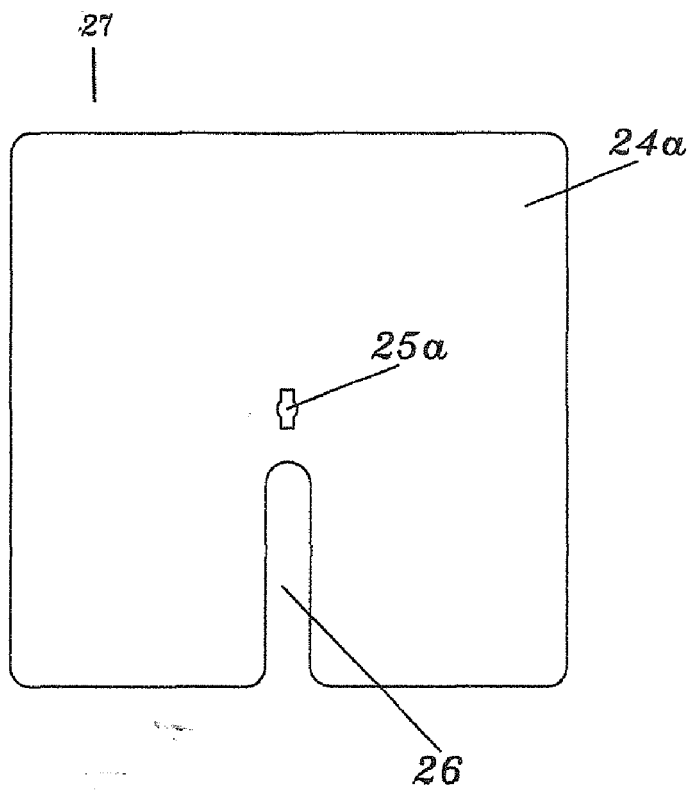


FIG-16

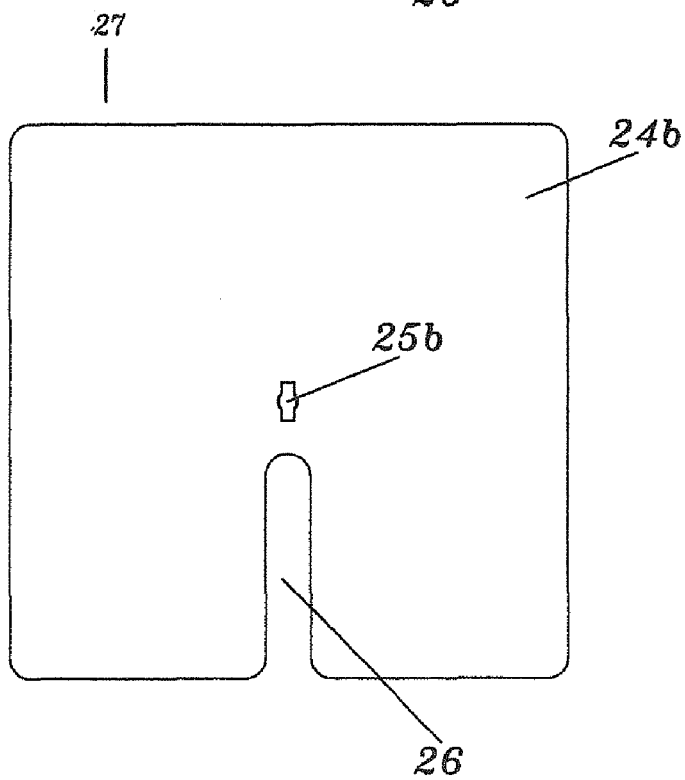
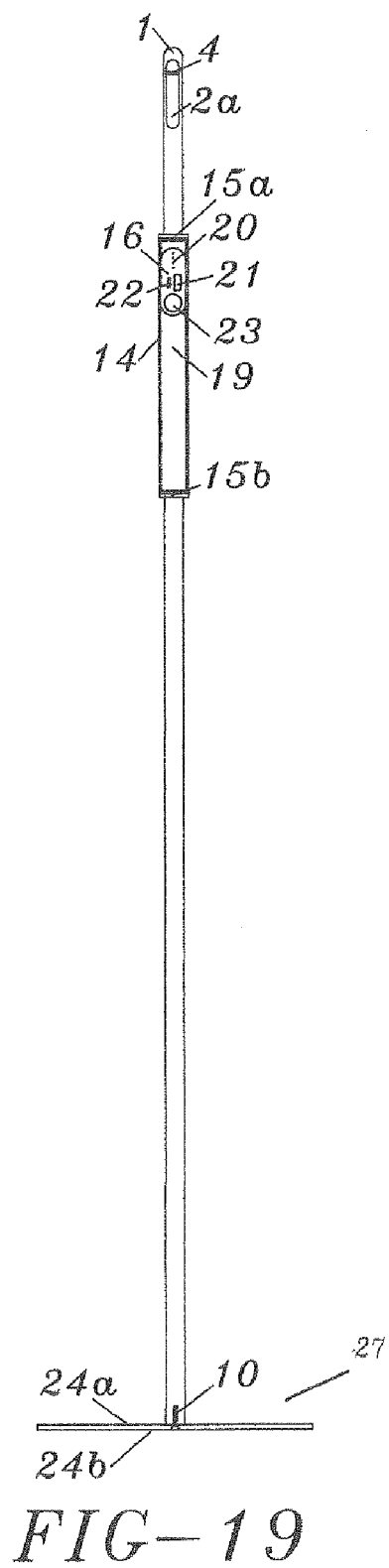
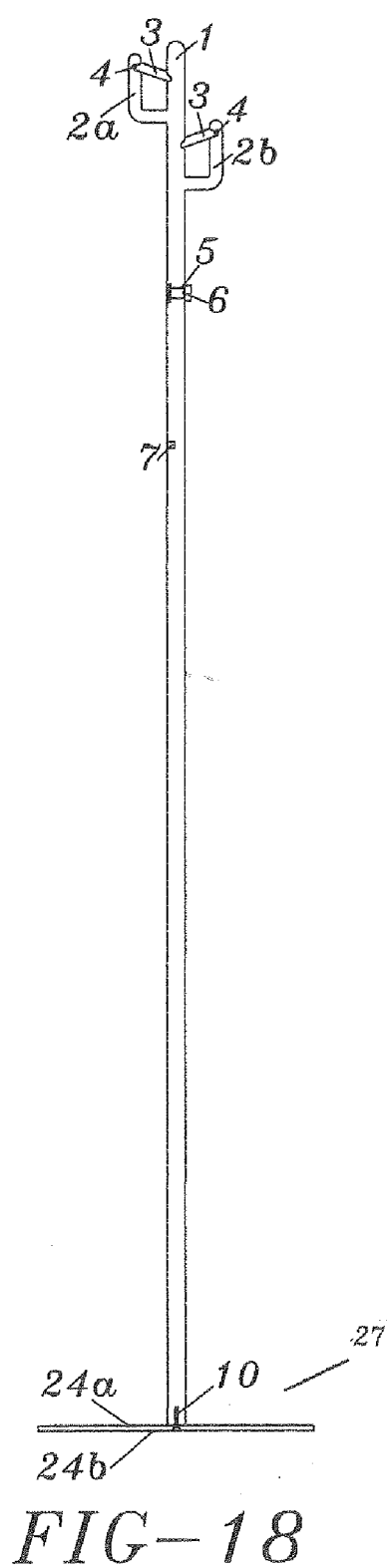


FIG-17



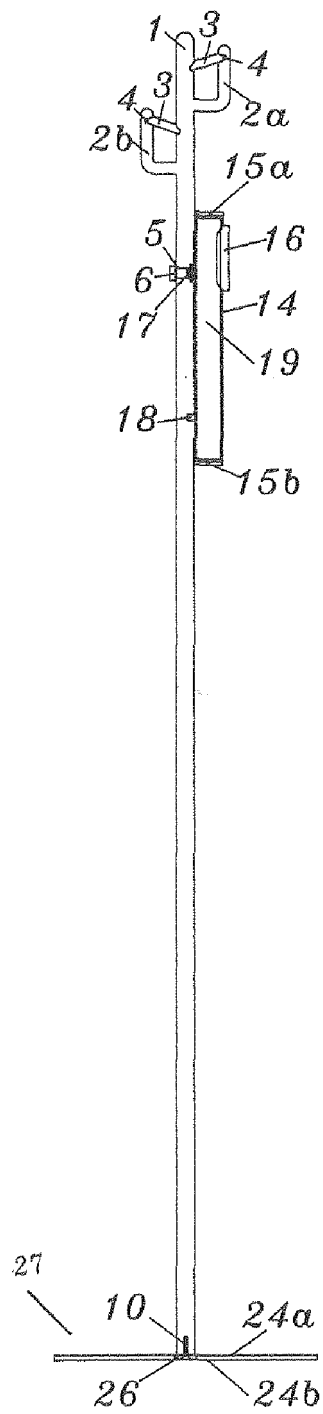


FIG-20

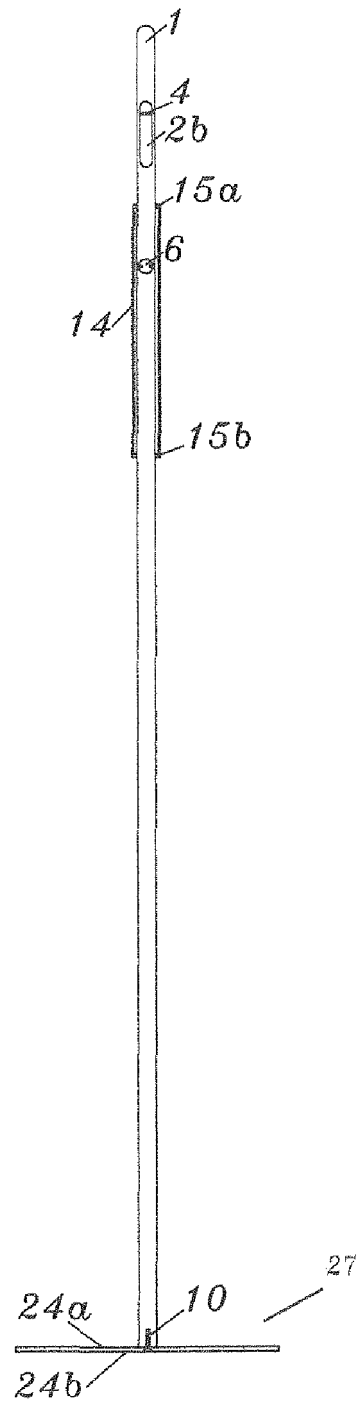


FIG-21

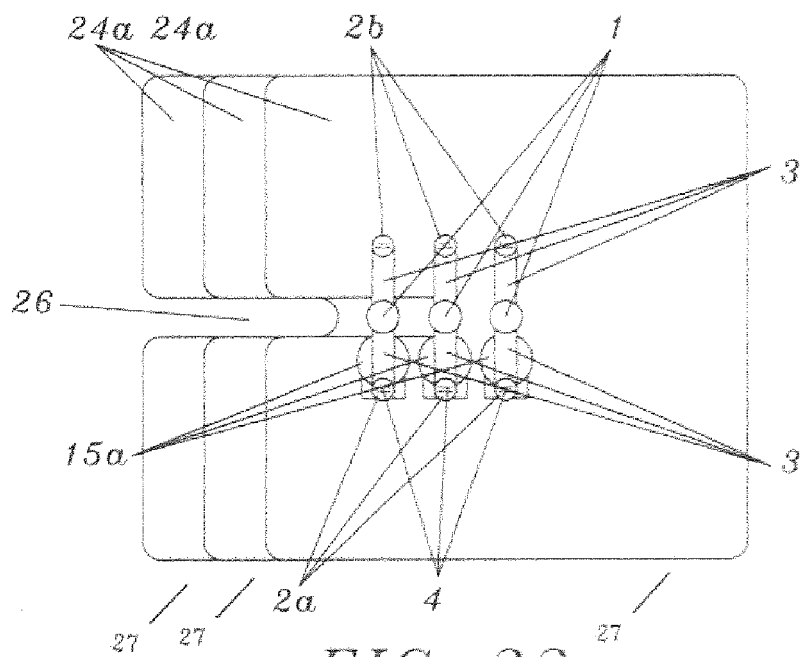


FIG-22

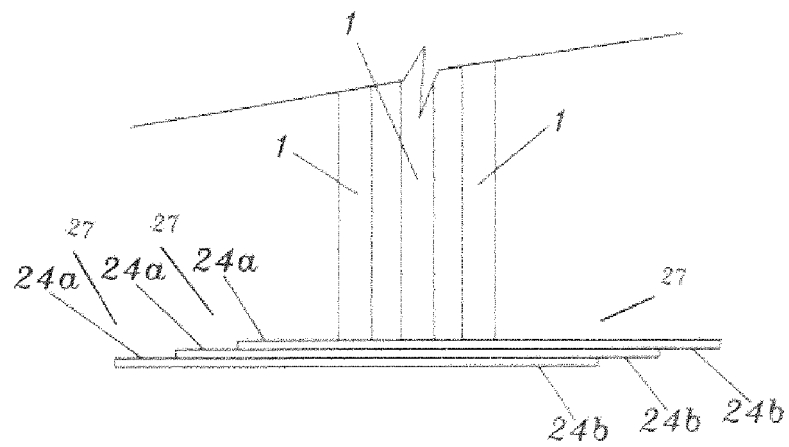


FIG-23

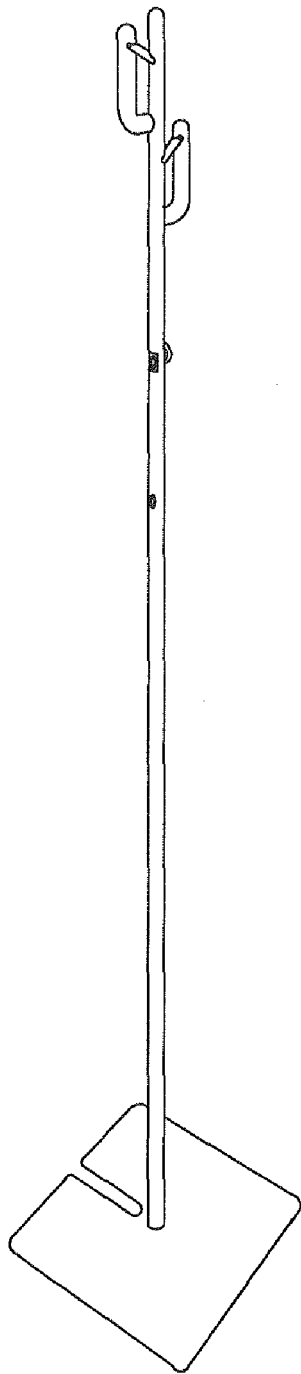


FIG-24

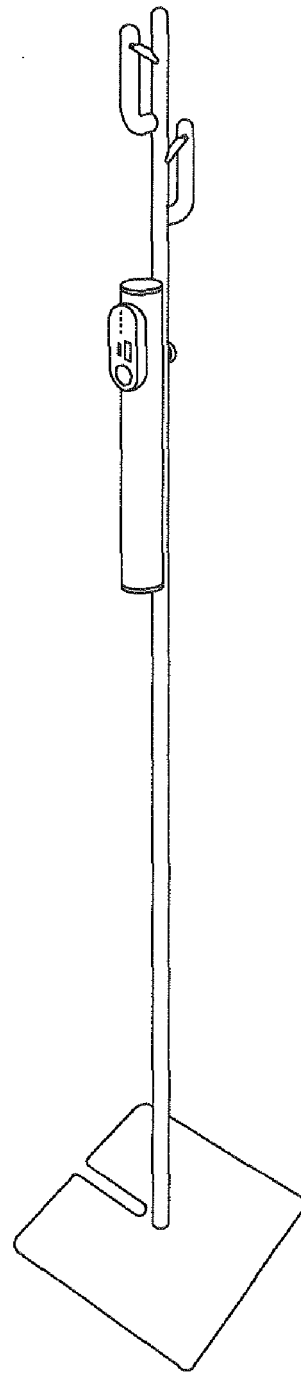


FIG-25



EUROPEAN SEARCH REPORT

Application Number
EP 17 15 0800

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