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(54) **Wall lamp fixture with replaceable pattern of decoration**

(57) A wall lamp fixture with a replaceable pattern of decoration, comprises a lamp holding base (10) having a circumferential edge and comprising at least one lamp (14) and socket (15) mounted thereon; a lamp casing (30) detachably engaged with the lamp holding base (10) with the circumferential edge of the base extending outwards beyond the perimeter of the lamp casing (30) ; and a decorative sticker (50) having a window (51) there-through for the lamp holding base (10) and the lamp casing (30) to pass through, the window (51) being dimensioned so that a part of the decorative sticker (50) is stuck on the extending circumferential edge of the lamp holding base (10) to enable the lamp holding base (10) to be securely mounted on a wall when the decorative sticker (50) is put on the wall.

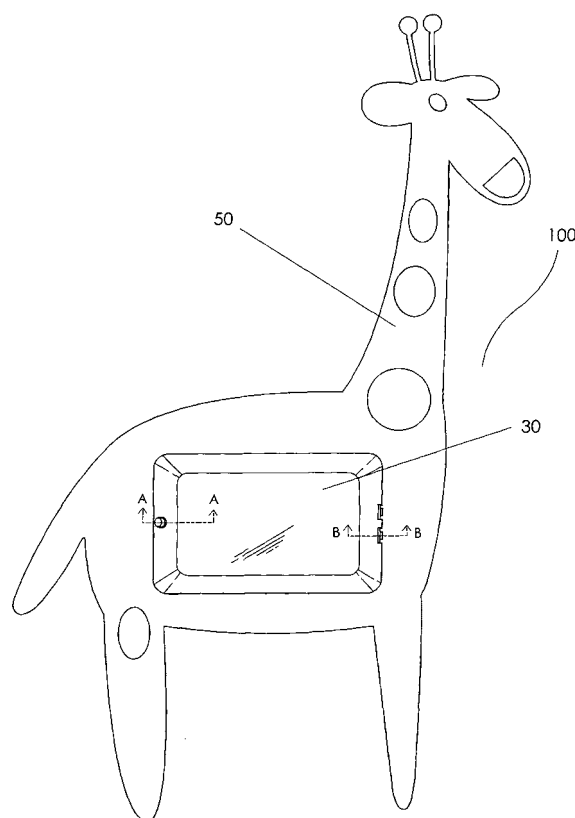


Fig. 1

Description

[0001] This invention relates generally to the field of lighting fixtures, and more particularly, to a wall lamp fixture with a decorative sticker to provide replaceable pattern of decoration and eliminate the need of drilling holes on the wall and of utilizing screws/bolts to mount the wall lamp.

[0002] Wall-mounted lamps are mounted on the walls or even surfaces for interior lighting and interior design. The most common kind of wall mounted lamps comprises a lamp holder, a lamp casing engaged with the lamp holder, and fasteners such as screws/bolts for firmly affixing the lamp holder onto a wall.

[0003] A common feature of this type of wall-mounted lamp is that the mounting of the lamp requires one or more holes to be drilled on the wall or even surface. By doing this, the wall surface would definitely be damaged and affected. Another disadvantage of this lamp is that it tends to be labor intensive to screw the lamp holder on the wall in place by screwing the screws and bolts or remove the lamp holder from the wall, especially in the case that the lamp has more than one screw/bolt or a number of the lamps are to be mounted on the wall. This is not a satisfactory task.

[0004] In addition to provide the purpose of generating illumination, the wall-mounted lamps of this type are aesthetically desirable and generally show to the decoration effect when mounted on the wall. However, the appearance and decoration effect of the lamp are rarely varied because it is difficult to alter the arrangement or structure of the lamp, or it requires an amount of efforts to attain the variability.

[0005] Although a variety of wall-mounted lamps exist in the prior art, these lamps are not quick and easy to mount on or take off the wall or even surface; or not convenient to change their appearance or decoration effect. Therefore, the invention entails the task of creating a simple and cost-effective wall lamp that is able to be surely and stably fixed on a wall or even surface, and capable of displaying differently appealing effect depending on the user's needs. The wall lamp according to the invention eliminates the use of any kind of fasteners, such as screws/bolts and the need of drilling holes on the wall, with a consequence of maintaining the surface of the wall or even surface not to be damaged or affected. Finally, a produced wall lamp should be compact for shipment, and the present invention could be designed so that all parts can be packed together compactly.

[0006] The present invention has been developed to fulfill the needs noted above and therefore has a principal aim of the provision of a wall lamp for mounting onto a wall which can be securely fixed onto the wall without any damage to the wall.

[0007] Another aim of the invention is to provide a wall lamp which is significantly more economical and convenient to mount than wall-mounted lamps in the prior art.

[0008] A yet further aim of the invention is to provide

a wall lamp which is able to generate lots of appealing decorations by replacing decorative stickers of the lamp.

[0009] These and other aims and advantages of the invention are satisfied by providing a wall lamp with replaceable pattern of decoration, comprising:

a lamp holding base having a circumferential edge and comprising at least one lamp and socket mounted thereon;

a lamp casing detachably engaged with the lamp holding base with the circumferential edge of the base extending outwards beyond the perimeter of the lamp casing; and

a decorative sticker having a window therethrough for the lamp holding base and the lamp casing to pass through, the window being dimensioned so that a part of the decorative sticker is stuck on the extending circumferential edge of the lamp holding base to enable the lamp holding base to be securely mounted on a wall when the decorative sticker is put on the wall.

[0010] In one preferred embodiment, at least one sticker is provided at the back of the lamp holding base for enhancing the mounting of the lamp body to the wall. An electrical cord is attached to the socket and extends through a space defined by the lamp holding base and the lamp casing to be connected with a switched outlet, in order to provide power source for the wall lamp fixture.

[0011] While the lamp holding base and the lamp casing may be engaged with each other by any type of connecting means known in the art, such as screws or bolts, it is preferred that the lamp holding base is engaged with the lamp casing in a snap-fit manner. In a specific embodiment, the lamp holding base includes two protrusions disposed at one end of the base at a defined spacing and each having a hook receiving aperture; and a resilient member disposed at the other end of the base and having a raised portion. The lamp casing includes two hooks spaced at a distance that corresponds to the spacing of the two protrusions of the base and thus enabling the hooks to be firmly received in the hook receiving apertures of the protrusions straightforwardly; and an opening for snugly receiving the raised portion of the resilient member.

[0012] Preferably, the lamp holding base further comprises a plurality of reinforced ribs extended radially from a central portion of the lamp holding base at equal angular interval.

[0013] According to the invention, the decorative sticker is the type capable of rolling up, such as self adhesive paper sticker or plastic sticker, so that it could be stored inside the lamp holding base when packaged or unused. Consequently, it is possible that lots of different decorative stickers can be packed within the lamp holding base at the time of sale. This enables a user to arbitrarily replace the decorative sticker for creating novelty and interestingness. Due to the ease of putting on or taking off

the decorative sticker without any damage to the wall, the user is allowed to mount the lamp fixture onto any even surfaces he likes.

[0014] The decorative sticker could be formed with any of a wide range of different desirable characters, patterns or graphical designs, so as to exhibit variability in configuration and/or appearance. Examples of the decorative sticker are in the shape of giraffe, teddy bear, bee, or balloon for babies; skate, rocket, castle, scooter, figurine or flower for children and teenagers.

[0015] In contrast to the wall lamp fixtures available in the prior art, the wall lamp fixture of the invention utilizes the stickers and eliminates the need of drilling holes on the wall, and thus leaving the wall to be unaffected. The decorative sticker simplifies the mounting of the wall lamp fixture onto the wall. Further, replacement of the decorative sticker is exceedingly simple owing to the fact that it can be taken off the wall conveniently and easily. Therefore, the wall lamp fixture according to the invention is relatively simple in configuration, low in cost and fast to mount, and its decorative variability is enhanced.

[0016] To have a better understanding of the invention reference is made to the following detailed description of the invention and embodiments thereof in conjunction with the drawings, in which:

Figure 1 is a front view of a wall lamp fixture constructed in accordance with an embodiment of the invention;

Figure 2 is a perspective view of the wall lamp fixture shown in Figure 1;

Figure 3 is a perspective view of the wall lamp fixture shown in Figure 1 with the lamp casing removed;

Figure 4 is front view of the lamp holding base, the lamp casing and the decorative sticker of the wall lamp fixture shown in Figure 1;

Figure 5 is a partial enlarged perspective view showing hooks of the lamp casing to be received in the lamp holding base;

Figure 6 is a cross-sectional view taken along line B-B of Figure 1;

Figure 7 is cross sectional views taken along line A-A of Figure 1;

Figure 8 consists of front views of different decorative stickers;

In the drawings, like parts are denoted by like reference numerals.

[0017] While this invention is illustrated and described in preferred embodiments, the wall lamp fixture may be produced in many different configurations, sizes, forms and materials.

[0018] Referring now to the drawings, Figs. 1 to 4 provide a wall lamp fixture 100 constructed consistent with a preferred embodiment of the present invention. In this embodiment, the wall lamp fixture 100 comprises a lamp holding base 10, a lamp casing 30, and a decorative sticker 50 which takes the shape of a giraffe. Although the

lamp holding base 10 and the lamp casing 30 may be engaged by any type of connecting means known in the art, such as screws or bolts, it is preferred that they are engaged with each other in a snap-fit manner according to the invention.

[0019] The lamp holding base 10 may be of any size, shape and configuration. In this embodiment, the lamp holding base 10 is made of plastics and substantially rectangular. The lamp holding base 10 has a flange 11 and four reinforced ribs 12 extending radially from a circular holder 13 at the central portion of the base 10 to the flange 11 and arranged at equal angular interval. The lamp holding base 10 further comprises a circumferential edge 25 extending from the flange 11. A LED lamp 14 and a socket 15 are received in the circular holder 13. The socket 15 is attached to an electric cord 16, which extends outwards from a guiding slot 22 at the flange 11 of the lamp holding base 10 to be connected with a switched outlet, in order to provide power source for the wall lamp fixture. The LED lamp 14 may be with various colors such as red, blue and green to produce various colorful lighting.

[0020] Positioned at one end of the flange 11 are two protrusions 17 disposed at a defined spacing. It is clear from Figure 5 that each of the protrusions 17 has a hook receiving aperture 18. Positioned at the other end of the flange 11 is a resilient member 19 which has a raised portion 20 at its outer surface. In this embodiment, the flange 11, the reinforced ribs 12, the circular holder 13, the protrusions 17 and the resilient member 19 are formed integrally.

[0021] Advantageously, at least one sticker is provided at the back of the lamp holding base for enhancing and facilitating the mounting of the lamp holding base onto the wall. In this embodiment, the back of the lamp holding base 10 has two small spaced apart stickers (not shown).

[0022] The lamp casing 30 is preferably made by transparent or semi-transparent plastic for spreading of light from the LED lamp. It substantially corresponds in size and shape to the portion of the lamp holding base 10 which is defined by the flange 11 of the lamp holding base 10, thus allowing the circumferential edge 25 to be exposed after the engagement of the lamp casing 30 with the lamp holding base 10. In this embodiment, the lamp casing 30 comprises two spaced apart hooks 31 spaced at a distance that corresponds to the spacing of the two protrusions 17 of the lamp holding base 10, so that the hooks 31 are snugly received in the hook receiving apertures 18 of the protrusions 17 straightforwardly. In order to prevent the hooks 31 from moving too far inwardly once they are received in the hook receiving apertures 18, two stops 21 are arranged on the lamp holding base 10 with respect to the protrusions 17. The lamp casing 30 further has an opening 32 at a position which corresponds to the raised portion 20 of the resilient member 19 for snugly receiving the raised portion 20.

[0023] As shown in Figures 6 and 7, by inserting the hooks 31 of the lamp casing 30 into the hook receiving

apertures 18 of the lamp holding base 10 and then pressing the resilient member 11 due to its flexibility to enable the raised portion 20 to pass through and bear against the opening 32 of the lamp casing 30, the lamp casing 30 is detachably engaged with the lamp holding base 10 to constitute a lamp body, and the circumferential edge 25 of the base 10 extends outwards beyond the perimeter of the lamp casing 30. The stops 21 serve to limit the movement of the hooks 31 upon being received in the apertures 18.

[0024] Referring to the decorative sticker 50, it is a self adhesive paper sticker in the shape of a giraffe in this embodiment. The decorative sticker 50 has a window 51 which is of substantially the same shape as the lamp holding base 10, but is dimensioned so that a part of the decorative sticker is stuck on and fully conceals the exposed circumferential edge 25 of the lamp holding base 10, enabling the lamp body to be securely mounted onto a wall when the decorative sticker is put on the wall and flattened to be better attached on the wall, as shown in Figure 1. The wall lamp fixture of the invention can easily vary its appearance by altering the decorative sticker 50, because the decorative sticker 50 is conveniently taken off the wall without any damage to the wall. According to the invention, the decorative sticker could be formed with any of a wide range of different desirable characters, patterns or graphical designs so as to exhibit variability in its appearance, based on the user's preferences or needs for decorative design. Examples of the decorative sticker is in the amusing shape of a giraffe, teddy bear, bee, or balloon for baby; skate, rocket, castle, scooter, figurine or flower for children and teenagers; or in the appealing shape of classic and modern lamp. Figure 8 shows some examples of the decorative sticker used in the invention.

[0025] Due to the use of the decorative sticker and the small sticker at the back of the lamp holding base 10, the wall lamp fixture 100 can be carried around conveniently. The decorative sticker would be made separate and rolled and stored inside the lamp holding base, therefore can be packed for distribution. This allows a plurality of different decorative stickers to be packed with one set of lamp holding base and lamp casing for the user to replace the decorative sticker when desired.

[0026] As described above, mounting and dismounting of the wall lamp fixture of the invention is very easy. The lamp casing is first engaged with the lamp holding base in a snap-fit manner to constitute a lamp body with the circumferential edge of the base exposed. Subsequently, the lamp body is stuck on a wall by use of the two small stickers at the back of the lamp holding base. The decorative sticker is then unrolled to allow the lamp body to come out of the window of the decorative sticker while a part of the decorative sticker overlaps with the exposed circumferential edge. Flattening the decorative sticker against the wall and the circumferential edge of the holding base enables the wall lamp fixture to be securely mounted onto the wall. When it is necessary for a new

pattern of decoration by replacing a different decorative sticker, peeling off the mounted decorative sticker and putting on the different decorative sticker is easy.

[0027] The invention thus provides a wall lamp fixture which is a simple design and allows for achievement of replaceable pattern of decoration without the need of drilling holes on the wall and without any damage to the wall.

[0028] While the embodiments described herein are intended as an exemplary wall lamp fixture, it will be appreciated by those skilled in the art that the present invention is not limited to the embodiments illustrated. Those skilled in the art will envision many other possible variations and modifications by means of the skilled person's common knowledge without departing from the scope of the invention, however, such variations and modifications should fall into the scope of this invention.

Claims

1. A wall lamp fixture (100) with replaceable pattern of decoration, comprising:

a lamp holding base (10) having a circumferential edge and comprising at least one lamp (14) and socket (15) mounted thereon;

a lamp casing (30) detachably engaged with the lamp holding base (10) with the circumferential edge of the base extending outwards beyond the perimeter of the lamp casing (30); and

a decorative sticker (50) having a window (51) therethrough for the lamp holding base (10) and the lamp casing (30) to pass through, the window (51) being dimensioned so that a part of the decorative sticker (50) is stuck on the extending circumferential edge of the lamp holding base (10) to enable the lamp holding base (10) to be securely mounted on a wall when the decorative sticker (50) is put on the wall.

2. A wall lamp fixture as claimed in claim 1, wherein at least one sticker is provided at the back of the lamp holding base (10) for enhancing the mounting of the lamp holding base onto the wall.
3. A wall lamp fixture as claimed in claim 1 or claim 2, wherein an electrical cord (16) is attached to the socket (15) and extends through a space (22) defined by the lamp holding base (10) and the lamp casing (30) to provide power source for the wall lamp fixture.
4. A wall lamp fixture as claimed in any one of the preceding claims, wherein the lamp holding base (10) is engaged with the lamp casing (30) in a snap-fit manner.
5. A wall lamp fixture as claimed in claim 4, wherein

the lamp holding base (10) includes two protrusions (17) disposed at one end of the base (10) at a defined spacing and each having a hook receiving aperture (18); and a resilient member (19) disposed at the other end of the base (10) and having a raised portion (20); the lamp casing (30) includes two hooks (31) spaced at a distance that corresponds to the spacing of the two protrusions (17) of the base (10) and thus enabling the hooks (31) to be firmly received in the hook receiving apertures (18) of the protrusions (17); and an opening (32) for snugly receiving the raised portion (20) of the resilient member (19).

6. A wall lamp fixture as claimed in claim 5, wherein two stops (21) are arranged on the lamp holding base (10) with respect to the protrusions (17) for preventing the hooks (31) from moving too far inwardly. 5
7. A wall lamp fixture as claimed in any one of the preceding claims, wherein the lamp holding base is engaged with the lamp casing by screws or bolts . 10
8. A wall lamp fixture as claimed in any one of the preceding claims, wherein the lamp holding base (10) further comprises a plurality of reinforced ribs (12) extended radially from a central portion of the lamp holding base (10). 15
9. A wall lamp fixture as claimed in claim 8, wherein the plurality of reinforced ribs (12) are arranged at equal angular interval. 20
10. A wall lamp fixture as claimed in any one of the preceding claims, wherein the lamp casing (30) is made of transparent or translucent material for spreading of light from the lamp. 25
11. A wall lamp fixture as claimed in any one of the preceding claims, wherein the decorative sticker (50) is of the type capable of being rolled up. 30
12. A wall lamp fixture as claimed in claim 11, wherein the decorative sticker (50) is a self adhesive paper sticker or plastic sticker. 35
13. A wall lamp fixture as claimed in any one of the preceding claims, wherein the decorative sticker (50) is made in the shape of any of a wide range of different desirable characters, patterns or graphical designs. 40
14. A wall lamp fixture as claimed in claim 13, wherein the decorative sticker (50) is in the shape selected from the group consisting of a giraffe, balloon, teddy bear, skate, castle, rocket, scooter, figurine or flower. 45

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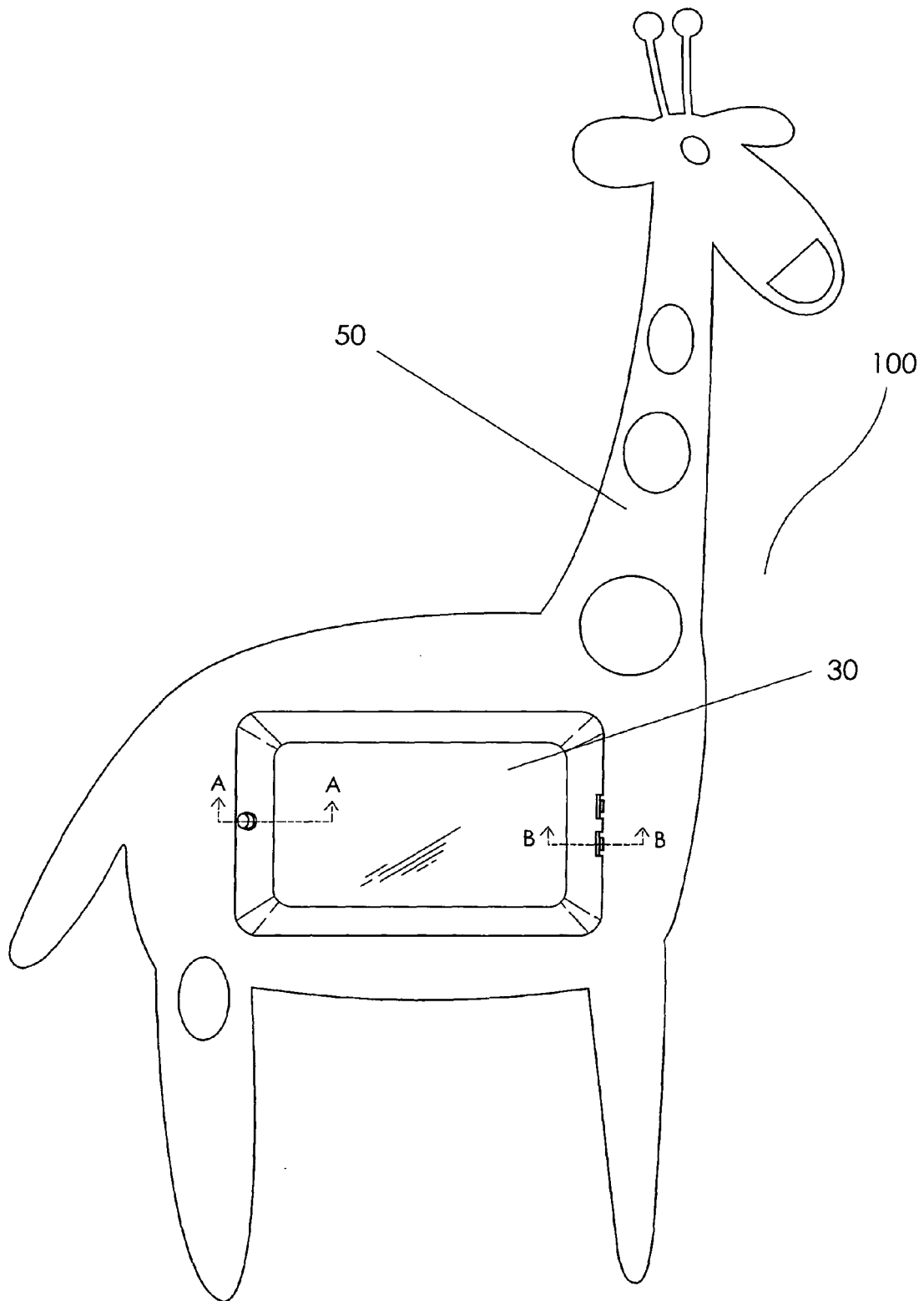


Fig. 1

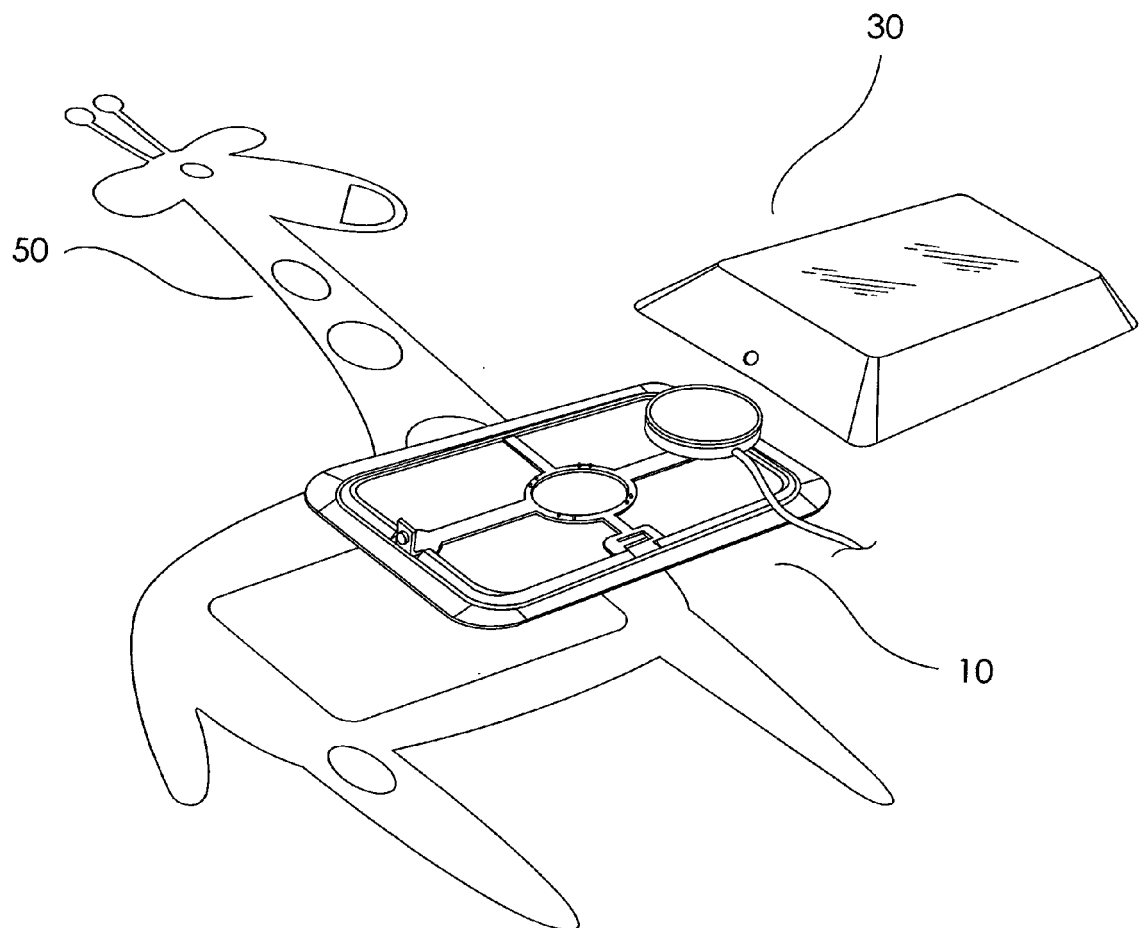


Fig. 2

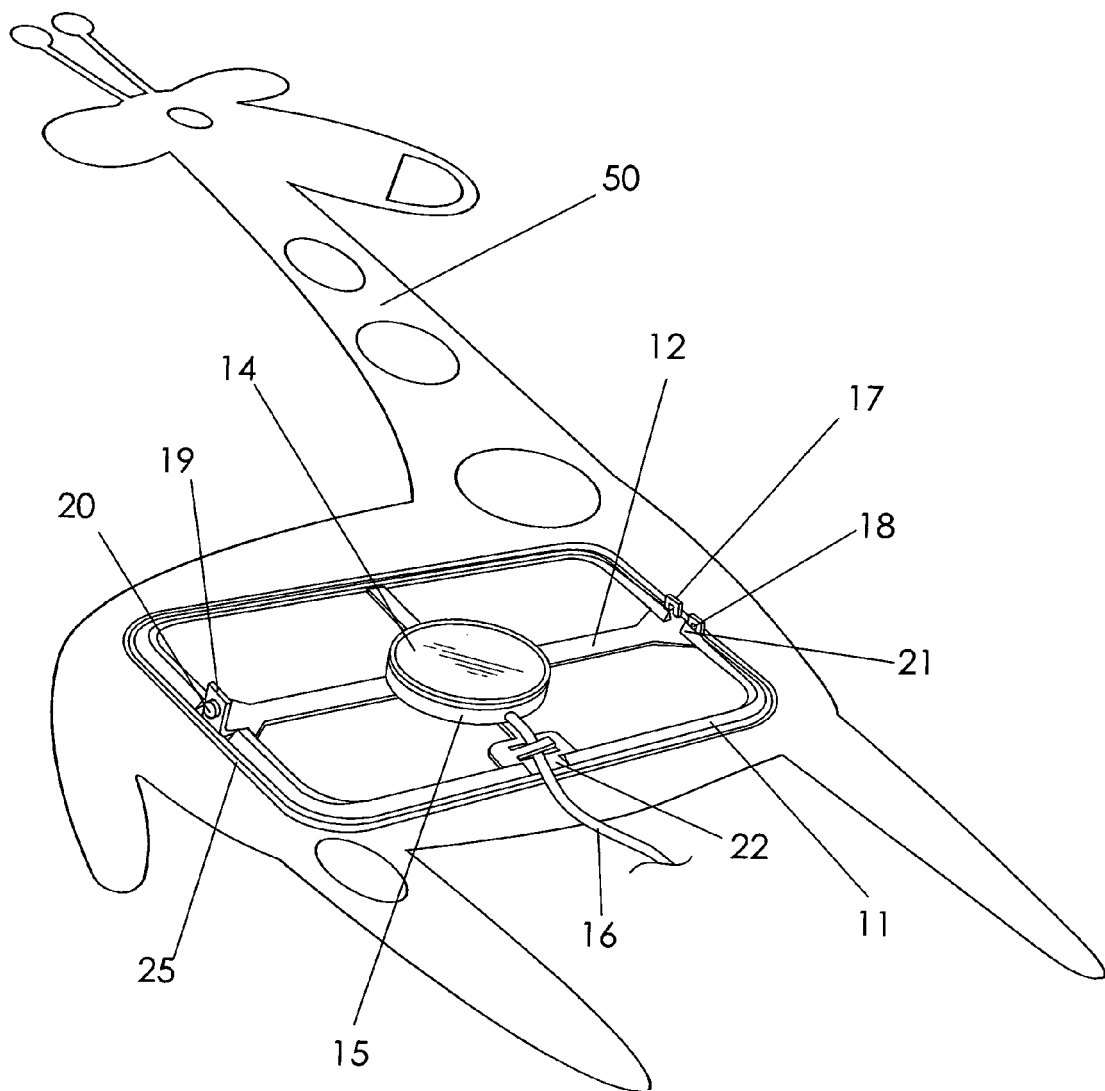


Fig. 3

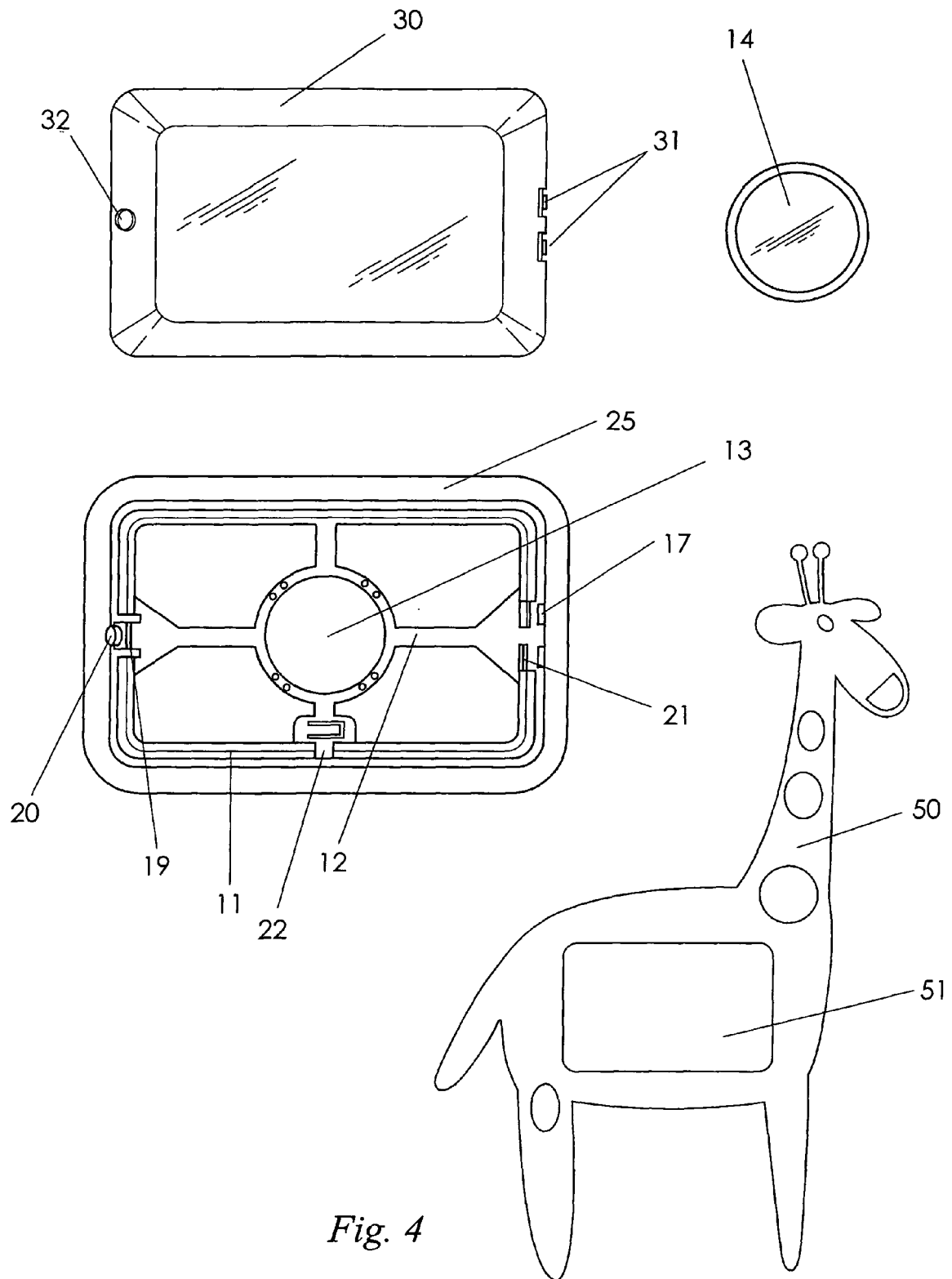


Fig. 4

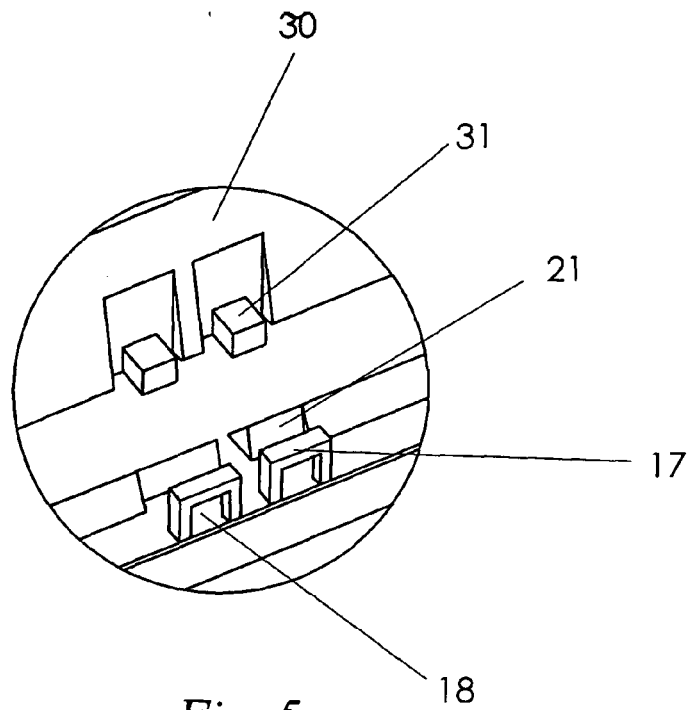


Fig. 5

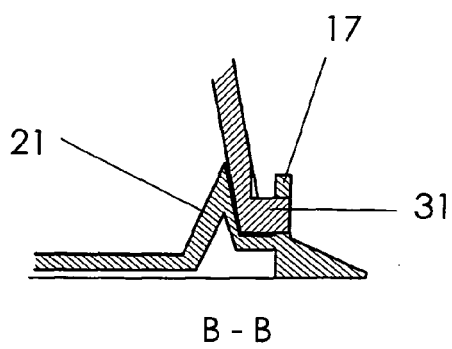


Fig. 6

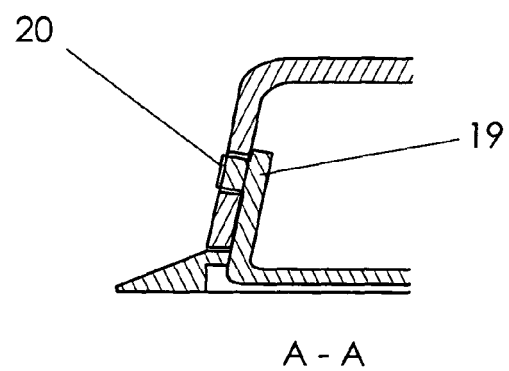
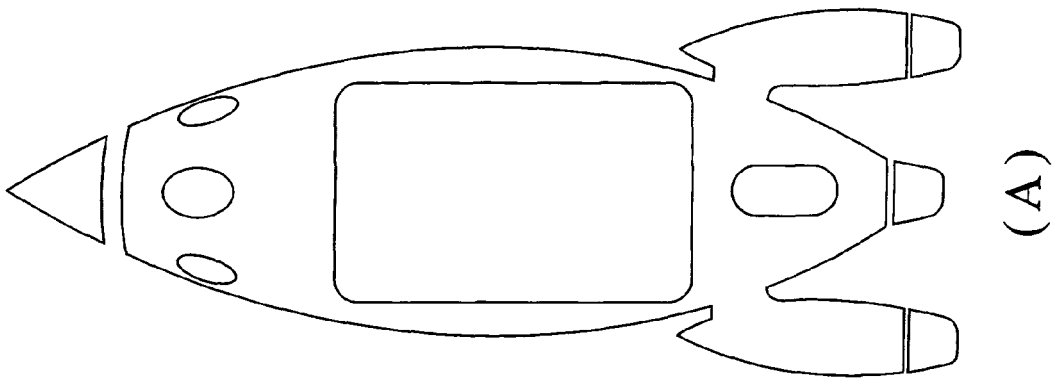
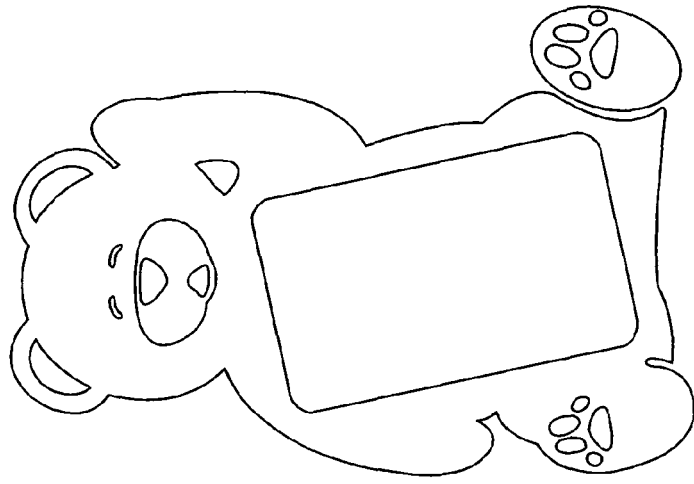


Fig. 7



(A)



(B)

Fig. 8



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 08 25 1464

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	WO 03/012336 A (COMFORT PROD INC [US]) 13 February 2003 (2003-02-13) * abstract * * figures 1,2 *	1	INV. F21V17/10
A	DE 198 38 816 A1 (SHU CHENG CHENG [TW]) 29 April 1999 (1999-04-29) * column 6, line 40 - line 42 * * figures 1,2 *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			F21V F21S
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 28 July 2008	Examiner Amerongen, Wim
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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 25 1464

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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28-07-2008

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 03012336	A	13-02-2003	CN	1464954 A	31-12-2003
			EP	1421315 A1	26-05-2004

DE 19838816	A1	29-04-1999	JP	11134907 A	21-05-1999
			US	6030104 A	29-02-2000
