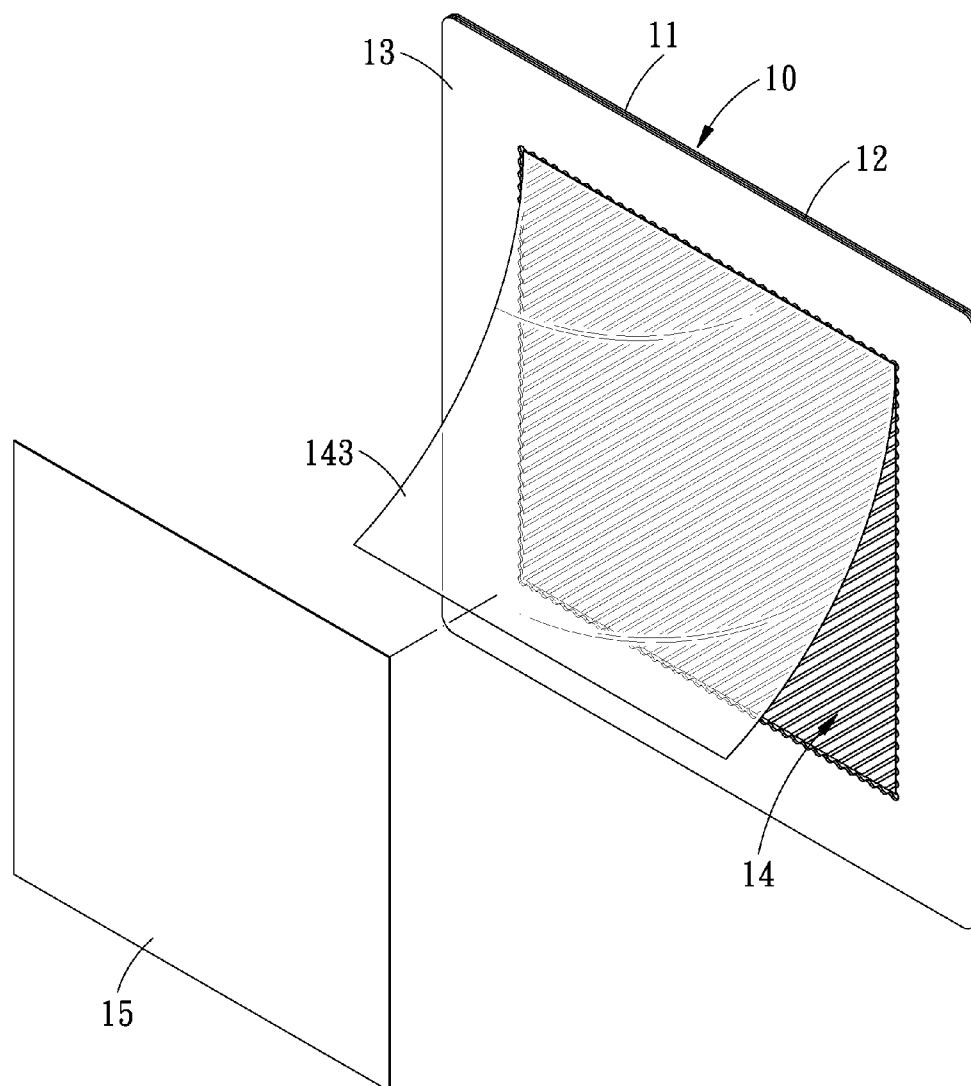




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(19) **United States**(12) **Patent Application Publication**
Chen Lin(10) **Pub. No.: US 2012/0183704 A1**(43) **Pub. Date: Jul. 19, 2012**(54) **CUT-RESISTANT EXHIBIT BOARD**(52) **U.S. Cl. 428/14**(57) **ABSTRACT**(76) **Inventor:** **Tsai-Lian Chen Lin**, Changhua
County (TW)(21) **Appl. No.:** **13/005,950**(22) **Filed:** **Jan. 13, 2011****Publication Classification**(51) **Int. Cl.**
A47G 1/16 (2006.01)

A cut-resistant exhibit board comprises a substrate having a first side surface provided with a cut-resistant layer, and a second side surface of the substrate is provided with an exhibit frame and an adhesive layer located in the exhibit frame. By such an arrangement, the cut-resistant layer can serve as a backing pad for assisting cutting operation during the production of the exhibit object, reducing the cost in additionally preparing the backing pad while making the production easier and more convenient. In addition, since the exhibit frame is made of soft material having anti-slip function, it can avoid the danger that the user is probably cut when the cutter slips while allowing the user to easily perform the line pressing operations by using line pressing tool. In the exhibit frame is provided a detachable plate element which will be flush with the exhibit frame after being place therein.



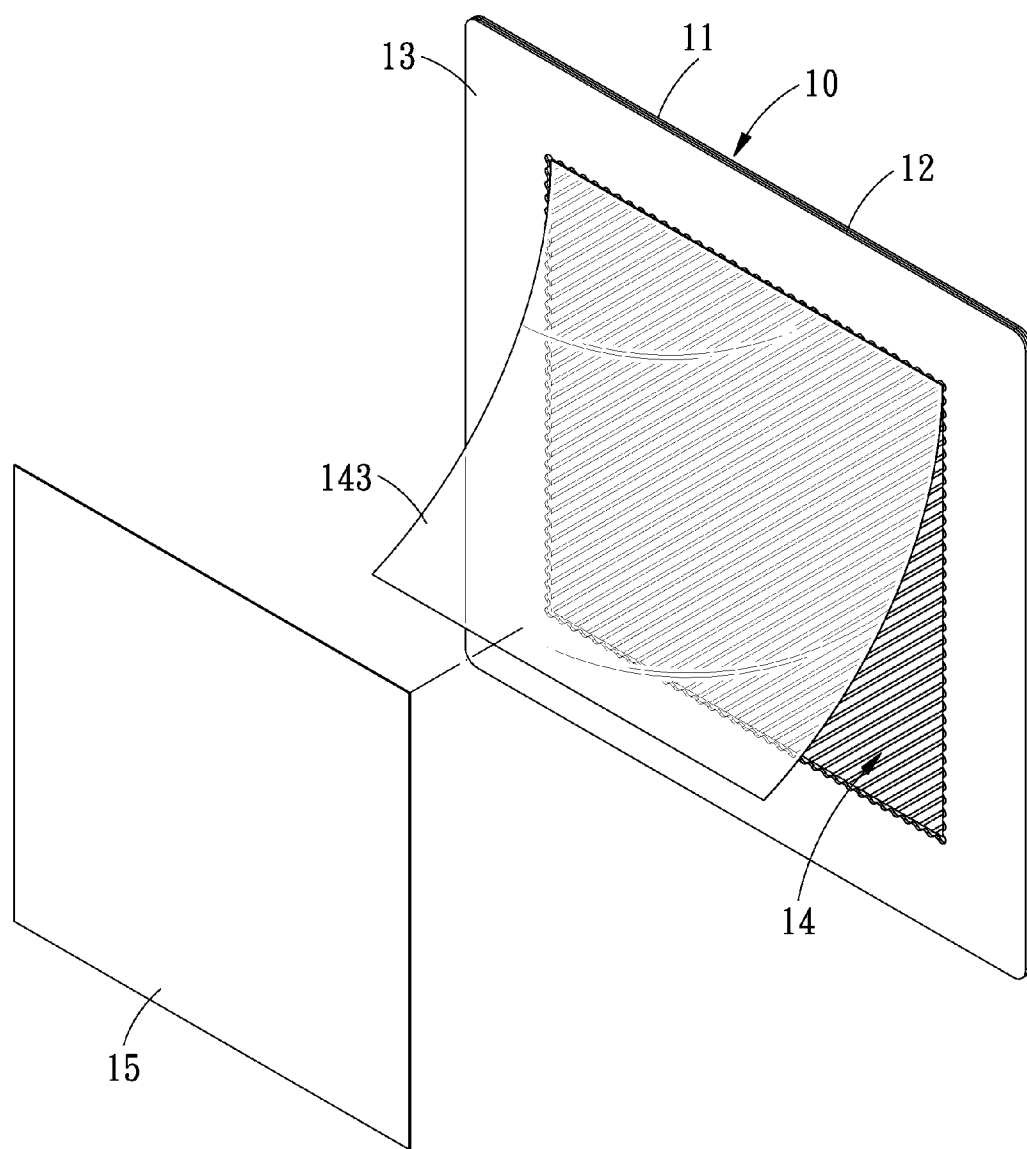


FIG. 1

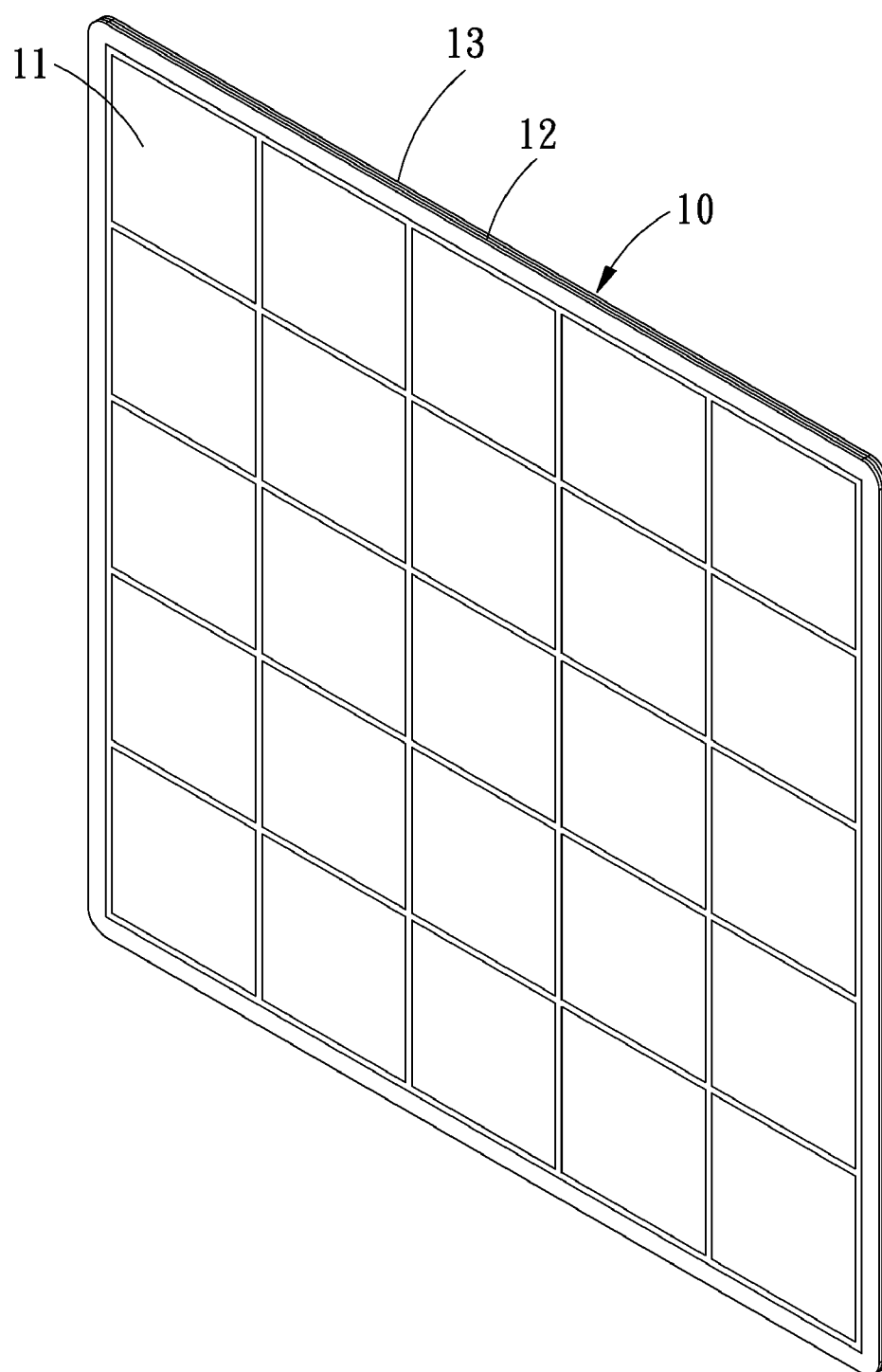


FIG. 2

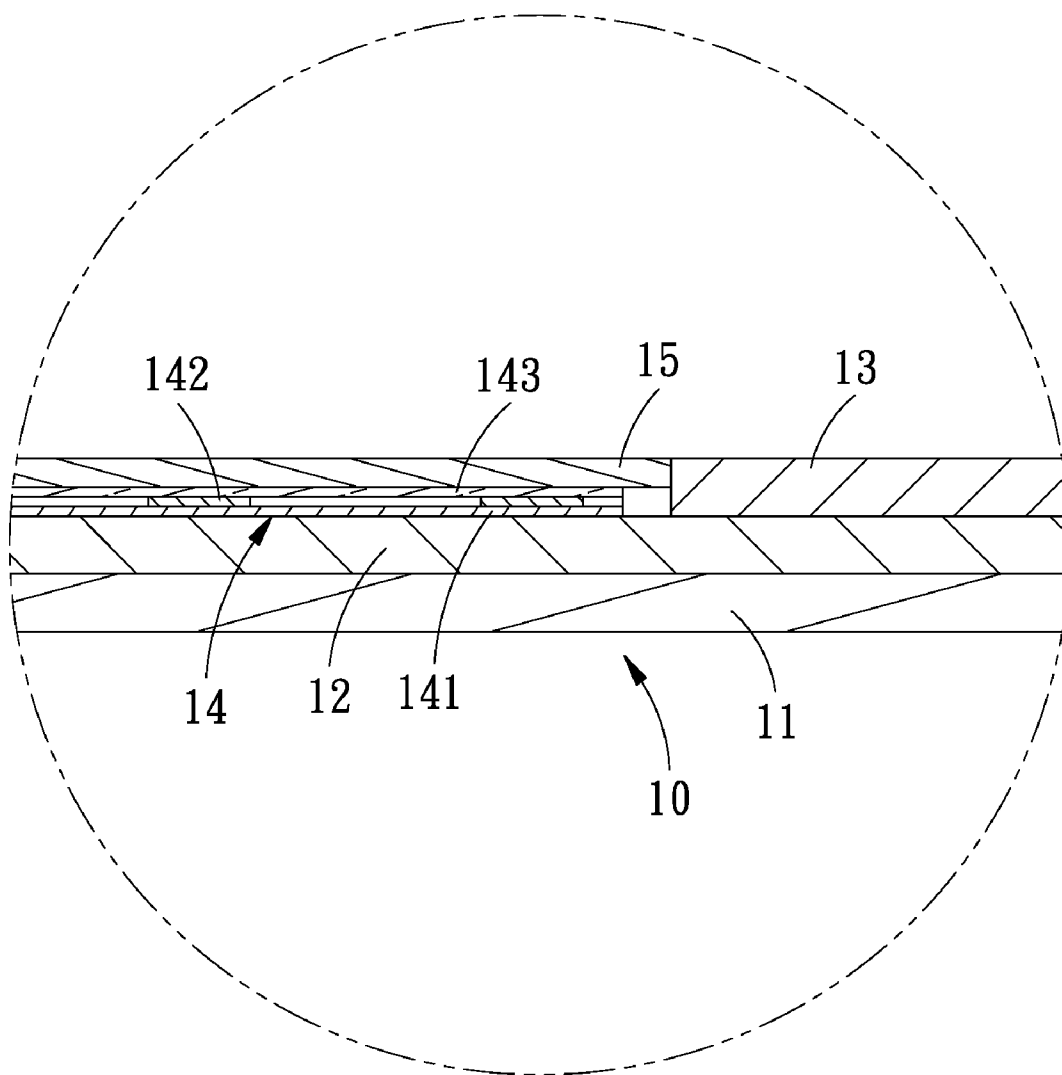


FIG. 3

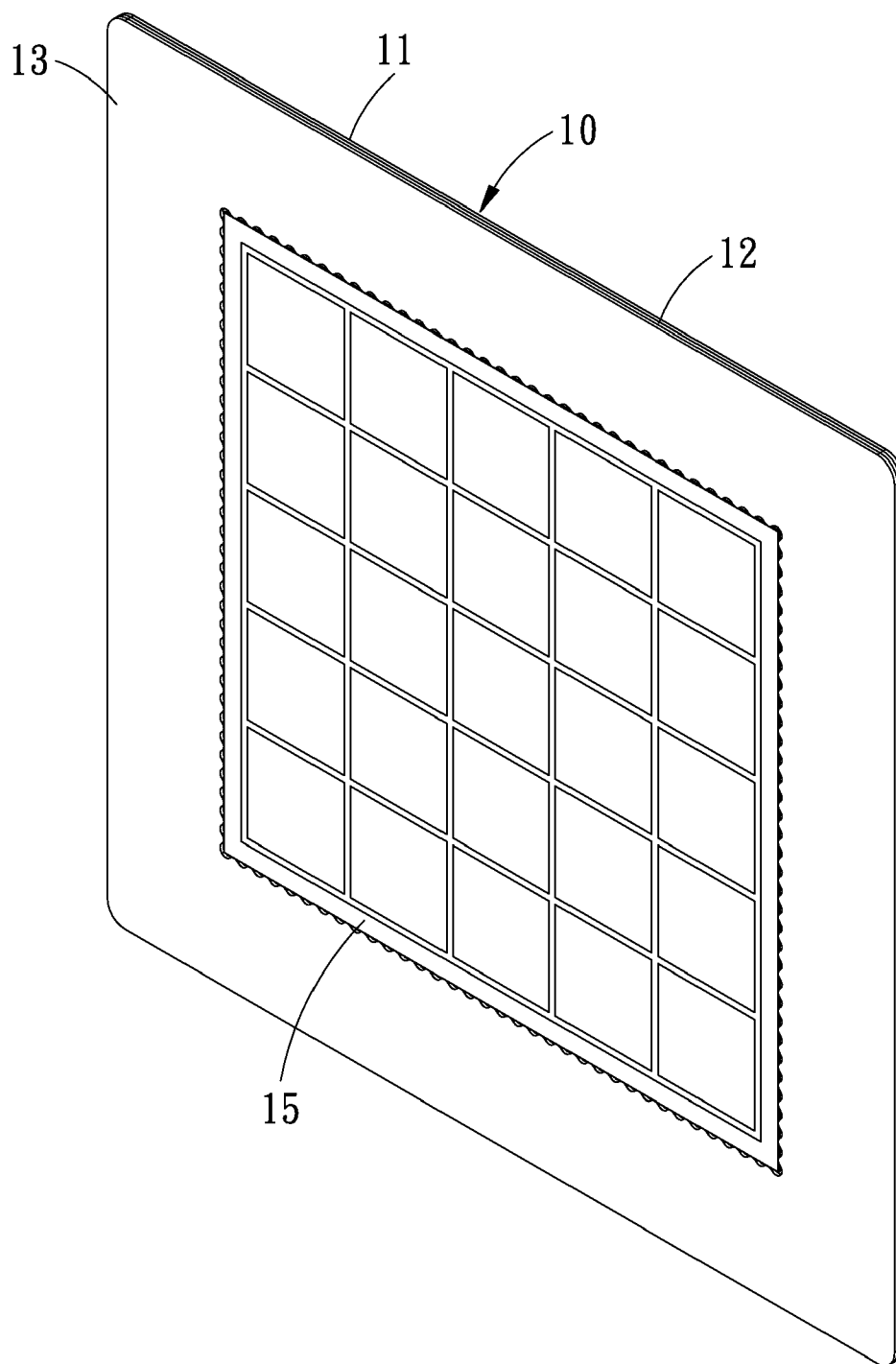


FIG. 4

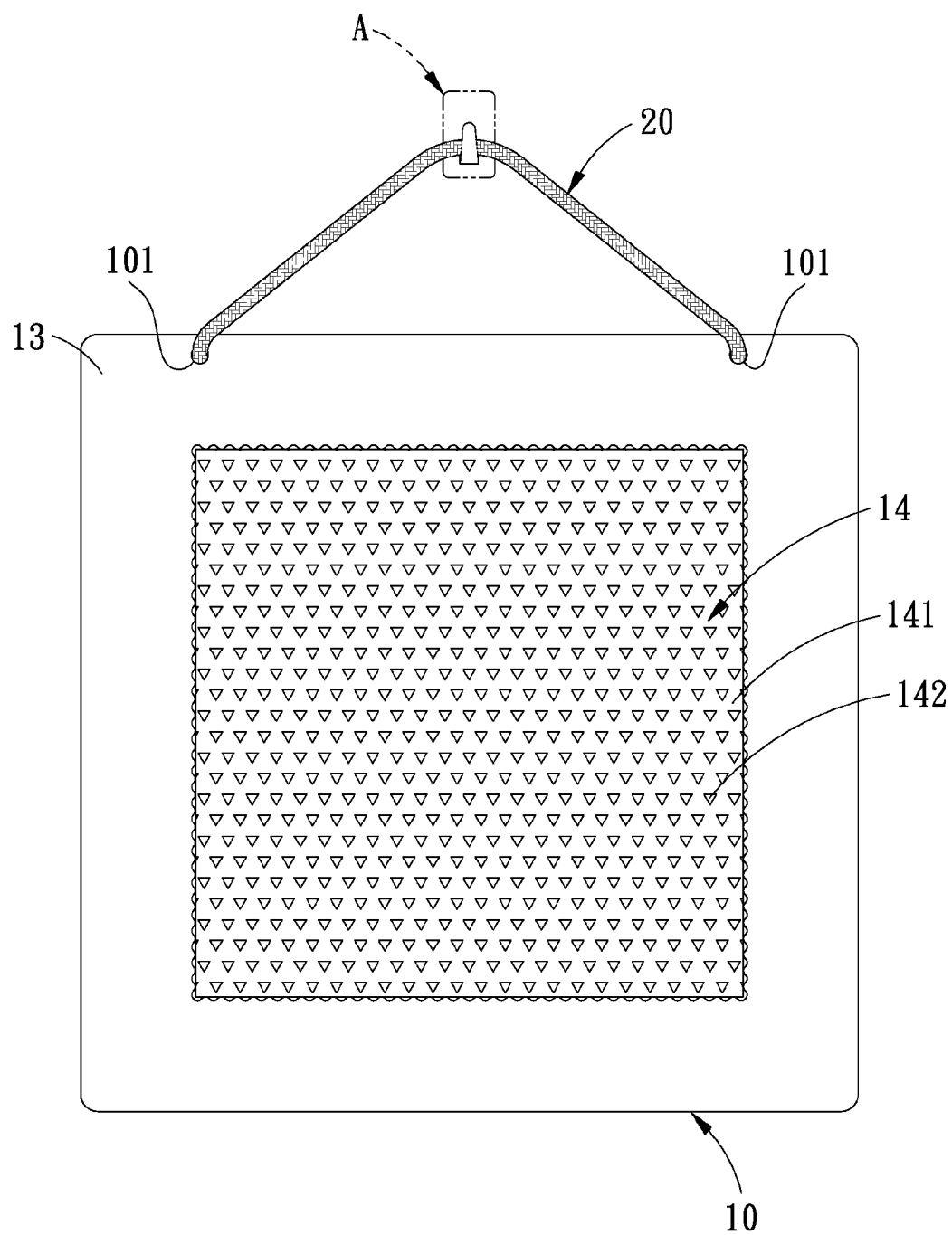


FIG. 5

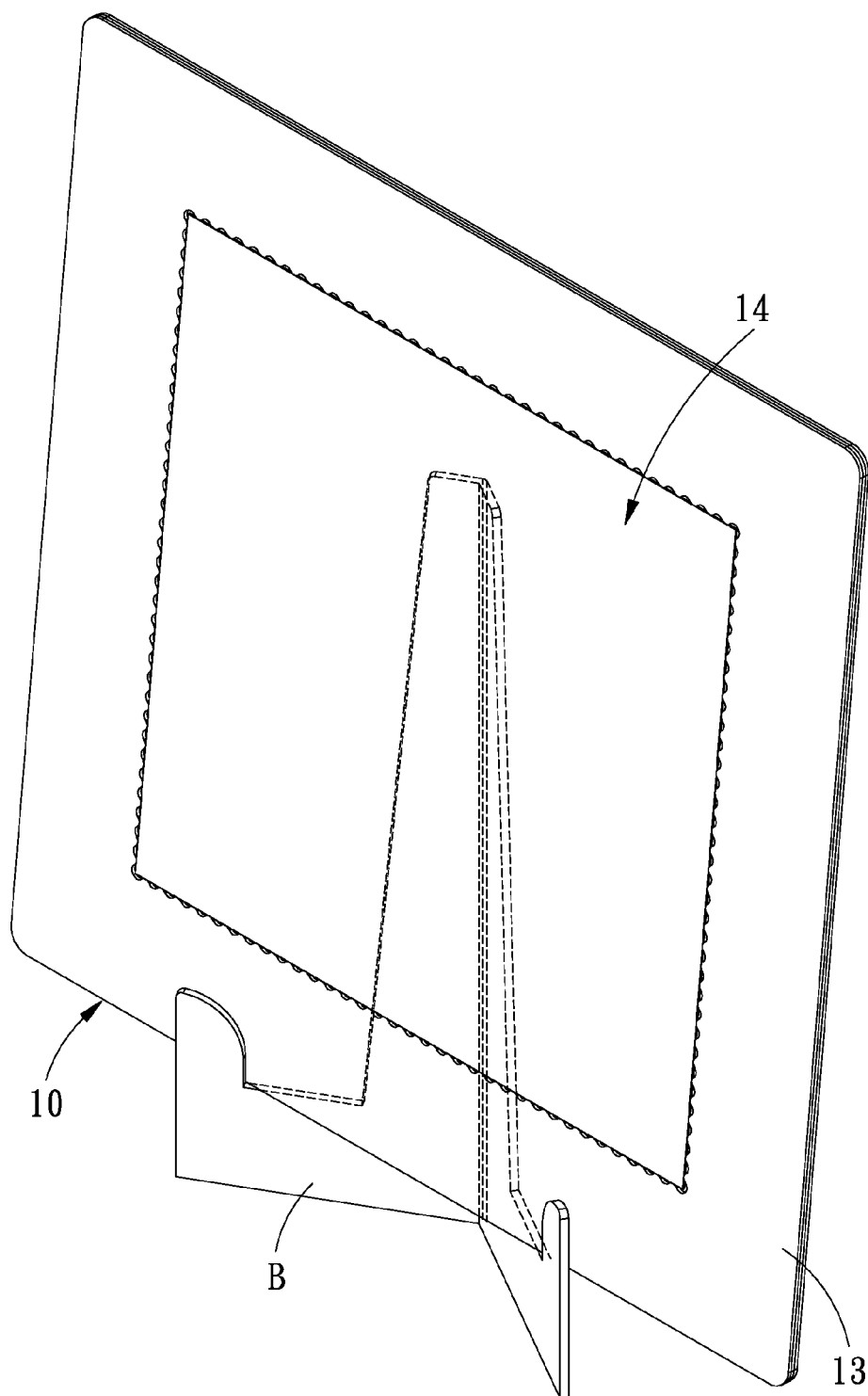


FIG. 6

CUT-RESISTANT EXHIBIT BOARD

BACKGROUND OF THE INVENTION

[0001] 1. Field of the Invention

[0002] The present invention relates to an exhibit board, and more particularly to a cut-resistant exhibit board.

[0003] 2. Description of the Prior Art

[0004] A cutting mat is normally used to prevent the table surface from being cut when making artworks made of paper or other cuttable material. Furthermore, since the cutting mat is made of semi-soft material as compared to the hard table surface, it can extend the service life of the cutting blade, reducing unnecessary loss. In addition, a conventional exhibit board for repeatedly sticking paper products is normally provided on a substrate thereof with an adhesive layer for sticking the pictures and the photos which are to be exhibited or the reminder paper products thereon.

[0005] However, the above cutting mat and the conventional exhibit board are independent structures; and the user has to prepare a cutting mat if wants to do paper-cutting work on a conventional exhibit board.

SUMMARY OF THE INVENTION

[0006] The primary objective of the present invention is to provide a cut-resistant exhibit board which comprises a substrate having a first side surface provided with a cut-resistant layer, and a second side surface of the substrate is provided with an exhibit frame and an adhesive layer located in a center of the exhibit frame. By such an arrangement, the cut-resistant layer can serve as a backing pad for assisting cutting operation during the production of the exhibit object, reducing the cost in additionally preparing the backing pad while making the production easier and more convenient.

[0007] The secondary objective of the present invention is to provide a cut-resistant exhibit board, since the exhibit frame of the present invention is made of soft material having anti-slip function, since the exhibit frame is made of soft material having anti-slip function, it can avoid the danger that the user is probably cut when the cutter slips while allowing the user to easily perform the line pressing operations. Meanwhile, the exhibit board of the present invention can also serve as an assist soft pad for inscription with seal. In addition, small tools used during the cutting operation such as blades, peal head pins, and etc can also be placed or inserted in the soft material made exhibit frame, enhancing convenience in use.

[0008] Another objective of the present invention is to provide a cut-resistant exhibit board in which the exhibit frame is provided with a detachable plate element, the plate element will be flush with the exhibit frame after being place therein and can also serve as a mouse pad. Furthermore, the exhibit frame is made of the soft material, so it can serve as a support element for wrist during a long time operation, reducing the fatigue and discomfort.

[0009] Hence, to achieve the above objectives, a cut-resistant exhibit board in accordance with the present invention comprises: a substrate, a cut-resistant layer, an exhibit frame, an adhesive layer, and a plate element.

[0010] The substrate is plate-shaped and includes a first side surface and a second side surface.

[0011] The cut-resistant layer which is plate-shaped and has a shape corresponding to a shape of the substrate is arranged on the first side surface of the substrate.

[0012] The exhibit frame in the form of a hollow plate is arranged on the second side surface of the substrate and formed correspondingly to the shape of the substrate.

[0013] The adhesive layer is sheet-like and includes a bottom disposed on the second side surface of the substrate and plural adhesive portions disposed on the bottom. The adhesive layer is located in the exhibit frame. A transparent film is disposed at an upper side of the adhesive portions.

[0014] The plate element is disposed inside the exhibit frame and smaller in thickness than the exhibit frame.

BRIEF DESCRIPTION OF THE DRAWINGS

[0015] FIG. 1 is a perspective view of a cut-resistant exhibit board in accordance with the present invention;

[0016] FIG. 2 is a perspective rear view of the cut-resistant exhibit board in accordance with the present invention;

[0017] FIG. 3 is a cross sectional of FIG. 1;

[0018] FIG. 4 is a perspective front view of the cut-resistant exhibit board in accordance with the present invention;

[0019] FIG. 5 is a schematic view showing that the cut-resistant exhibit board in accordance with the present invention is suspended from a hook through a rope; and

[0020] FIG. 6 is a schematic view showing that the cut-resistant exhibit board in accordance with the present invention is disposed on a vertical stand.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0021] The present invention will be clearer from the following description when viewed together with the accompanying drawings, which show, for purpose of illustrations only, the preferred embodiment in accordance with the present invention.

[0022] Referring to FIGS. 1-3, a cut-resistant exhibit board 10 in accordance with a preferred embodiment of the present invention comprises a substrate 12, a cut-resistant layer 11, an exhibit frame 13, and an adhesive layer 14 used together with a plate element 15.

[0023] The substrate 12 is plate-shaped and includes a first and a second side surfaces. The substrate 12 is provided for preventing a cutting blade from cutting and damaging the object behind the substrate 12.

[0024] The cut-resistant layer 11 which is plate-shaped and has a shape corresponding to the shape of the substrate 12 is arranged on the first side surface of the substrate 12 to stabilize the cutting blade during the cutting operation. The cut-resistant layer 11 is provided with grid lines on a surface thereof for facilitating alignment during the cutting operation.

[0025] The exhibit frame 13 is in the form of a hollow plate arranged on the second side surface of the substrate 12 and formed correspondingly to the shape of the substrate 12. In the present embodiment, the exhibit frame 13 is made of soft material, such as foam.

[0026] The adhesive layer 14 is sheet-like and includes a bottom 141 disposed on the second side surface of the substrate 12 and plural spaced-apart adhesive portions 142 disposed on the bottom 141. The adhesive layer 14 is located in the exhibit frame 13. The adhesive portions 142 in this embodiment are adhesive stickers for repeatedly adhering paper products such as art works, photos, paper cut works and memos, which can be in the form of oblique lines as shown in FIG. 1 or dotted triangles as shown in FIG. 5. At an upper side

of the adhesive portions **142** is provided with a transparent film **143** for covering the paper products adhered on the adhesive portions **142**.

[0027] The plate element **15** is disposed inside the exhibit frame **13** and is smaller in thickness than the exhibit frame **13** in such a manner that the plate element **15** will be flush with the exhibit frame **13** after being placed therein. In the present embodiment, the plate element **15** can be a cutting mat including a cut-resistant layer and a substrate or a plate made of soft material such as foam.

[0028] The aforementioned is the summary of the positional and structural relationship of the respective components of the preferred embodiment in accordance with the present invention.

[0029] For a better understanding of the present invention, its operation and function, reference should be made to the following description:

[0030] With the cut-resistant exhibit board in accordance with the present invention, it is convenient for the user to produce and exhibit the paper products or sheet-like objects that are adhered on the cut-resistant exhibit board. A method for using the exhibit board **10** is described as follows: firstly, the plate element **15** is placed on an opening at the center of the exhibit frame **13** when a to-be-exhibited object is made so as to fill up the recess in the center of the exhibit frame **13** for avoiding affecting the cutting operation due to the recess in the center of the exhibit frame **13**. In addition, the plate element **15** can also serve as a cutting mat or mouse pad.

[0031] Since the exhibit objects are paper products or sheet-like objects and sometimes need to be pressed to form folding lines for easy folding or for beauty purpose, the exhibit frame **13** made of soft material allows the user to easily perform the line pressing operations by using line pressing tool. In addition, since the exhibit frame **13** is made of foam, it can offer an anti-slip function during cutting operation, avoiding the danger that the user is probably cut when the cutter slips.

[0032] Finally, after finishing production of the to-be-exhibited object, the adhesive portions **142** of the adhesive layer **14** are used to adhesively fix the to-be-exhibited object. In the exhibit frame **13** of the exhibit board **10**, the film **143** is covered on the to-be-exhibited object for protecting the to-be-exhibited object. Additionally, referring to FIG. 5, in the

cut-resistant exhibit board of the present invention, two insertion holes **101** penetrate the cut-resistant layer **11**, the substrate **12** and the exhibit frame **13** for insertion of a rope **20**, by such an arrangement, the exhibit board **10** can be easily suspended from a hook A on the wall. In addition, as shown in FIG. 6, the exhibit board **10** of the present invention can also be provided with a vertical stand B, so that the exhibit board **10** of the present invention can be vertically disposed on a table for exhibition. Hence, the exhibit board **10** of the present invention can be used not only as a cutting board but also an exhibit board.

[0033] While we have shown and described various embodiments in accordance with the present invention, it is clear to those skilled in the art that further embodiments may be made without departing from the scope of the present invention.

What is claimed is:

1. A cut-resistant exhibit board comprising:
 - a plate-shaped substrate including a first side surface and a second side surface;
 - a plate-shaped cut-resistant layer which has a shape corresponding to a shape of the substrate being arranged on the first side surface of the substrate;
 - an exhibit frame in the form of a hollow plate being arranged on the second side surface of the substrate and formed correspondingly to the shape of the substrate;
 - a sheet-like adhesive layer including a bottom disposed on the second side surface of the substrate and plural adhesive portions disposed on the bottom, the adhesive layer being located in the exhibit frame, a transparent film being disposed at an upper side of the adhesive portions;
 - a plate element being disposed inside the exhibit frame and smaller in thickness than the exhibit frame.
2. The cut-resistant exhibit board as claimed in claim 1, wherein two insertion holes penetrate the cut-resistant layer, the substrate and the exhibit frame for insertion of a rope.
3. The cut-resistant exhibit board as claimed in claim 1, wherein the adhesive portions are spaced apart on the bottom.
4. The cut-resistant exhibit board as claimed in claim 1, wherein the plate element is a cutting mat including a cut-resistant layer and a substrate.

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