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A STEREO DISPLAYING CABINET WITH AN EXPLOSION-PROOF FILM

TECHNICAL FIELD

5 The invention relates to an advertisement displaying technology, and in particular, relates to a stereo displaying cabinet with an explosion-proof film.

BACKGROUND ART

10 Currently, advertisement media such as advertisement boards, advertisement light boxes are generally arranged in a public place such as shopping mall, supermarket, recreation place, gymnasium, coffee house, tea house, golf course, airport, and the like, however, these advertisement media each has a single form, and cannot meet the complex requirements of a large place.

15 Generally, these places have a very high requirement to a decorative advertisement. It is relative difficult for a simple planar advertisement or a simple product display to meet the requirements of the product promulgator or the customer. Moreover, this kind of medium is easy to crush, has a low safety factor, and even can cause a harmful accident.

DISCLOSURE OF THE INVENTION

20 Based on the above-mentioned complex requirements, the present invention combines the advantages of a planar display and a stereo display, and proposes a stereo displaying cabinet with an explosion-proof film.

25 Particularly, a stereo displaying cabinet with an explosion-proof film according to the present invention comprises: an outer frame with a transparent layer; an automotive explosion-proof film layer which is attached to the transparent layer of the outer frame; a stereo rack, wherein several displaying units are formed by several shelves; a base plate with a light source assembly at the rear of the shelves, wherein several light source units are secured on the base plate; a baffle which is disposed between the base plate with the light source assembly and the stereo rack; wherein the outer frame is connected to the base plate with a removable fit; the
30 photic layer of the explosion-proof film is located at the side of the light source units.

Preferably, the light source units correspond to the displaying units.



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Preferably, the light source units are annular light tubes.

Preferably, the transparent layer comprises a glass material or an organic material.

Preferably, the stereo rack has a “#” shape, and several display pictures are pasted on the left side, right side, rear side, and bottom side of the stereo rack.

5 Preferably, each light source unit comprises a control circuit.

Preferably, the outer frame is an edge-coated structure, and the automotive explosion-proof film layer is attached to the inner side of the transparent layer.

The present invention applies an explosion-proof film on the transparent layer of the stereo displaying cabinet, highly increases the safety, and has functions of both stereo product
10 displaying and planar advertisement.

BRIEF DESCRIPTION OF THE DRAWINGS

Hereinafter, the above and other objects, features and advantages of the present invention will be obvious to a person skilled in the art from the detailed description of the
15 invention and with reference to the drawings.

FIG. 1 is an exploded diagrammatic view of the present invention.

FIG. 2 is an assembled diagrammatic view of the present invention.

FIG. 3 is an in-use state view of the present invention.

20 DETAILED DESCRIPTION OF THE INVENTION

As shown in FIG. 1, a stereo displaying cabinet with an explosion-proof film according to the present invention, from an outer side to an inner side in the structure, comprises: an edge-coated outer frame 1 with a glass or transparent organic plate, similar to an outer plate of a common glass displaying cabinet, which can be mounted removably together with a base plate;
25 an automotive explosion-proof film layer 2, which can be attached to an inner or outer side of the outer frame 1; a stereo rack 3, wherein displaying units having a “#” grid shape are formed by several laminar shelves, wherein several grids, such as 2, 4, 6, 8 grids, or several layers of displaying spaces can be arranged according to the requirements of advertisement displaying, so that a display product 6 is laid, and wherein display pictures 7 are pasted on four display
30 sides such as left side, right side, rear side, and bottom side. Light source units composed of annular light tubes 51 are disposed at the rear of the stereo rack 3. A light source assembly 5 is

composed of several light source units. A baffle 4 is disposed between the base plate 5 with the light source assembly and the stereo rack 3. The baffle is generally organic, so that the light source assembly on the base plate 5 can irradiate a light uniformly towards the stereo rack 3 through the baffle 4.

5 As shown, the light source assembly on the base plate 5 is composed of several light source units, each of which has a position corresponding to the position of the displaying unit. In other words, several grooves mating with the areas on the stereo rack 3 are designed on the base plate 5 to lay the light source units. Each light source unit comprises a control circuit (not shown). Generally, an annular light tube 51 is disposed within each groove.

10 The components are assembled into a whole according to the above-mentioned sequence, as shown in Fig. 2. When the control circuit of the light source assembly 5 is turned on, the display products 6 and the display pictures 6 at the inner side can be seen through the film-applied transparent layer because a light irradiates on the incident side of the automotive explosion-proof film layer 2 on the outer frame 1. When the light source assembly
15 5 is turned off, the film-applied transparent layer can only be used as a common mirror.

The present invention can independently control the light source units within the various grooves, so as to display the products and pictures at various positions of the displaying cabinet, as shown in Fig. 3.

20 Using the stereo displaying cabinet with an explosion-proof film having the above-mentioned structure, the two objects of planar display and stereo display can both be attained, having an excellent advertisement displaying effect. The stereo displaying cabinet with an explosion-proof film having this structure can also be applied to items such as beverage selling machine, coffee machine, paper-towel selling machine, alcohol refrigerator, and the like.

25 The above embodiments are only illustrative for the present invention, not restrictive for the present invention. Various modifications or changes can be made by a person skilled in the art without departing from the spirit and scope of the invention. Therefore, all the equivalent technical solutions should also be within the scope of the invention and should be defined by the claims.

CLAIMS

1. A stereo displaying cabinet with an explosion-proof film comprising:
an outer frame with a transparent layer;
an automotive explosion-proof film layer which is attached to the transparent layer of the
5 outer frame;
a stereo rack, wherein several displaying units are formed by several shelves;
a base plate with a light source assembly at the rear of the shelves, wherein several light
source units are secured on the base plate;
a baffle which is disposed between the base plate with the light source assembly and the
10 stereo rack;
wherein the outer frame is connected to the base plate with a removable fit; the photic
layer of the explosion-proof film is located at the side of the light source units.
2. The stereo displaying cabinet with an explosion-proof film according to claim 1,
wherein,
15 the light source units correspond to the displaying units.
3. The stereo displaying cabinet with an explosion-proof film according to claim 2,
wherein,
the light source units are annular light tubes.
4. The stereo displaying cabinet with an explosion-proof film according to claim 3,
20 wherein,
the transparent layer comprises a glass material or an organic material.
5. The stereo displaying cabinet with an explosion-proof film according to claim 4,
wherein,
the stereo rack has a “#” shape, and several display pictures are pasted on the left side,
25 right side, rear side, and bottom side of the stereo rack.
6. The stereo displaying cabinet with an explosion-proof film according to claim 5,
wherein,
each light source unit comprises a control circuit.
7. The stereo displaying cabinet with an explosion-proof film according to claim 6,
30 wherein,
the outer frame is an edge-coated structure, and the automotive explosion-proof film layer

is attached to the inner side of the transparent layer.