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(54) **DECORATIVE OR ADVERTISING SUPPORT FOR DECORATING EXTERIORS AT PARTIES
AND EVENTS AND METHOD FOR THE PRODUCTION THEREOF**

(57) The invention relates to a decorative or advertising support for decorating exteriors at parties and events, and a method for the production thereof. The support is formed by a frame (1) having an externally and internally trimmed or cut-out shape of the pattern or figure designed, which supports a mesh or lattice (2) with holes that are sufficient for the wind to flow therethrough, and with a surface that is directly illuminated by a strip of LEDs (3) installed in the internal peripheral edge of said frame (1), with said LEDs being oriented towards the mesh or lattice (2), with an external metallic structure (5) functioning as a reinforcement, and with both the mesh or lattice (2) and the frame (1) being painted or decorated, without the paint closing the holes of the mesh. The production method involves: the selection of a design functioning as a frame (1); the cutting out thereof; the installation of a strip of LEDs (3) oriented inwards; the securing of a mesh or lattice (2) to the frame (1), the holes of which allow the wind to flow therethrough; and the painting and framing.

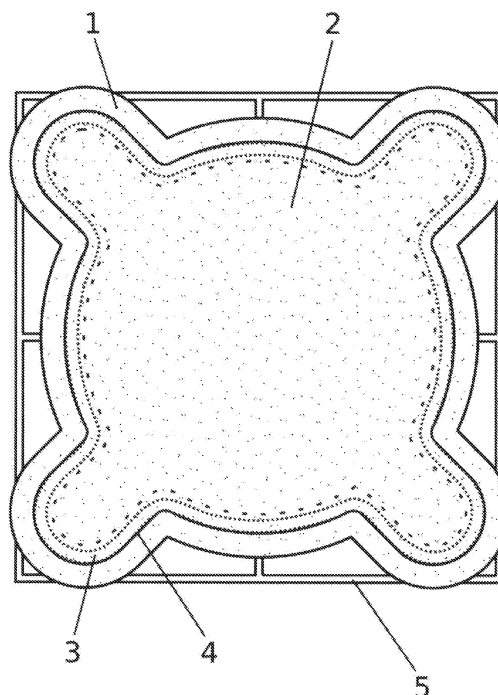


FIG 2

Description**OBJECT OF THE INVENTION**

[0001] The present invention relates to a decorative or advertising support, for exteriors, based on a cut-out or trimmed frame to configure decorative forms, that supports a mesh, being both surfaces painted and illuminated by LEDs installed in the inner perimeter edge of the frame, these supports being capable to display their decoration and coloring both during the day, without illuminating, and at night, illuminated.

[0002] This invention has the purpose of decorating urban spaces, replacing advantageously the conventional luminous decoration that is used in festive dates like Christmas, patron saint's holidays, events, etc. This is a frame made of any material that can act as a frame, which, once cut-out or trimmed to the desired shape, with a strip of LEDs type lamps installed on its inner edge, are oriented towards the center of an equally cut-out or trimmed mesh or lattice, supported by that frame, with air flowing through the holes of that mesh or lattice, and the inner silhouette of that mesh or lattice can be illuminated when the aforementioned luminous strip of LEDs is switched on.

[0003] It solves several problems affecting conventional exterior decorations that are usually used in those festive or events, in which a profile is used that is drawn with tubes with or without filler, that filler being a cord with LEDs that when illuminated shine the points of light of those LEDs, being designed for their exclusively nocturnal vision, which is when they only fulfil their decorative and animating function of the party or event. This conventional decoration has the following disadvantages:

- It only acts at night, offering a blurred and not at all decorative vision during the day.
- Even so, it does not give much decorative and chromatic game even when illuminated, since the luminous tubes that conform the figures do not offer so many possibilities for the decoration as the mesh or lattice, that is painted like an oil painting, although saving without covering the holes to let the wind pass through; as regards the coloring, it is necessary to limit to the basic colors of the leds, without allowing the palette of colors that the invention admits.

[0004] Faced with these drawbacks of decorative or outdoor advertising supports for parties and events that are conventionally used, this invention offers the following advantages:

- the part supported by the frame is made of a mesh or lattice, which offers on the one hand the possibility of painting it like an oil painting, with the only exception of leaving the holes of the mesh or lattice free so that the wind can flow therethrough and thus compensate the resistance to it, that is to say, it lends

itself to a more complete decoration and at the same time it does not offer resistance to the wind.

- Due to the lightness of the materials, it is suitable to hang it in streets and squares, without this diminishing its resistance.
- In contrast to conventional luminous exterior decorations, which offer a poor range of colors, and limit to the basic colors, i.e. the colors of the LEDs, the present invention offers the possibility of choosing any color, even allowing the degradation and fusion of colors, acting as a canvas where one can paint artistically or even use a printer to transfer the graphic.
- Because the LEDs are fixed to the edge of the frame and oriented towards the mesh or lattice, the mesh or lattice is illuminated at night with all the intensity and reflection of the LEDs, being bathed in light.
- By day, without lighting, the decoration is shown in all its chromatic and graphic richness, with the only imperceptible handicap that the porous part of the mesh or lattice remains unpainted, which does not diminish its decorative function.
- In contrast to the juxtaposition of LED lamps to form the filling of the figures carried out by conventional production, the present invention advantageously solves the filling of these figures by means of the inclusion of the mesh or lattice, with the consequent saving of electrical material and labour, since this labor-intensive installation is not necessary, in which the LED cord has to be bridged and its corresponding electrical connections arranged.
- This same invention can serve as an advertising medium.

[0005] Its industrial application is in the manufacture and installation of decorative or outdoor advertising supports and more specifically of supports of this type made up of meshes or lattices supported by frames and illuminated.

BACKGROUND OF THE INVENTION

[0006] Although no invention identical to the one described has been found, the following are the documents found that reflect the state of the art related to it.

[0007] Thus, document ES2324117T3 proposes a decorative foil to be used to decorate a formed product, the foil comprising: a decoration layer; a base member that serves as a support for the decoration layer; an adhesive layer to adhere the decoration layer and the base member to the formed product; consisting of a flow reducing member to reduce the flow of the adhesive layer,

the flow reducing member being supplied in the adhesive layer and being made of a material that has a higher melting point than that of a material in the adhesive layer. Compared to the proposed invention, the latter does not advantageously use any adhesive layer.

[0008] Document ESQ217687U describes translucent pictures with lighting, consisting of a frame on which is mounted a sheet of translucent or transparent material decorated with the patterns proposed and with materials appropriate for not preventing the passage of light in the degree of intensity necessary to obtain the diffuse illumination of the decorated sheet. Neither this technique of translucent pictures and diffuse lighting is used by the proposed invention.

[0009] ES1074153U describes a decorative panel, that presenting any contour, normally corresponding to the silhouette of a figure, animal, object or any other that is decorative, is constituted from a rigid plate on one of whose faces is arranged a layer of soft material and on this one a covering of fabric that extends covering all the contour of the rigid plate with the layer of soft material, fixing itself on the opposite side and considered as the back of the rigid plate, with the particularity that a decorative image is printed on the fabric covering which has been transferred to the fabric itself by sublimation.

[0010] Conclusions: As can be seen from the research carried out, none of the documents found solves the problems addressed as does the proposed invention.

DESCRIPTION OF THE INVENTION

[0011] The decorative or advertising support for decorating exteriors in parties and events, painted and illuminated and resistant to wind, is constituted from a frame with a cut-out or trimmed shape according to the figure or pattern devised by the decorator, who holds a mesh whose holes are sufficient for the wind to flow through, and whose surface is directly illuminated by a strip of LEDs installed on the perimetral inner edge of the said frame, these LEDs being oriented towards the mesh or lattice. A metallic exterior structure gives the support the necessary resistance for handling and installation outdoors. Both the mesh and the frame are painted or decorated in the manner of canvas, without the paint closing the holes of the mesh or lattice.

[0012] The method for the execution of the decorative or advertising support for the embellishment of exteriors in parties and events, includes the following steps:

- a) Choice of a decorative or advertising design that serves as a frame, for which any shape or size can be chosen,
- b) Exterior and interior cut-out or trimming of the pattern or figure designed in the previous stage,
- c) Installation of a strip of LEDs on the inner perimeter edge of said frame, facing laterally inwards,

d) Fixing to the frame, with suitable coupling means, of a mesh or lattice whose holes allows the wind to flow therethrough,

e) Cut of the mesh or lattice in excess.

f) Painting or transfer from a printer of both the mesh and the frame.

BRIEF DESCRIPTION OF THE DRAWINGS

[0013] For a better understanding of what has been described, drawings representing a preferential realization of the proposed invention accompany this description. In these drawings:

Figure 1: is a view in elevation stand during a day without illumination (day effect off)

Figure 2: is a view in elevation of the illuminated stand during a night (night effect on)

[0014] The numerical references that appear in these figures correspond to the following constitutive elements of the invention:

1. Frame
2. Mesh or lattice
3. LED strip
4. Perimeter edge
5. Metallic exterior structure

DESCRIPTION OF A PREFERRED REALIZATION

[0015] A preferential realization of the present invention can be based on a decorative or advertising support for decorating exteriors in parties and events, painted and illuminated and resistant to wind, constituted from a frame (1) with externally and internally trimmed or cut-out shape according to the design conceived by the decorator, which holds a mesh or lattice (2) whose holes are sufficient for the wind to flow therethrough, and whose surface is directly illuminated by a strip of LEDs (3) installed on the inner perimeter edge (4) of said frame (1), these LEDs (3) being oriented towards the mesh or lattice (2). An external metal structure (5) gives the support the necessary resistance for its handling and installation outdoors. Both the mesh or lattice (2) and the frame (1) are painted or decorated in the manner of canvas, without the paint closing the holes in the mesh or lattice (2).

[0016] The method for the execution of the decorative or advertising support for embellishment of exteriors in parties and events, comprises the following steps:

- a) Choice of a decorative or advertising design that serves as a frame (1), for which any shape or size can be chosen,
- b) Exterior and interior cut-out or trimming of the pattern or figure designed in the previous stage, 5
- c) Installation of a strip of LEDs (3) on the inner perimeter edge (4) of said frame (1), facing laterally inwards, 10
- d) Fixing to the frame (1), with suitable coupling means, of a mesh or lattice (2) whose holes allows the wind to flow therethrough, 15
- e) Cut of the mesh or lattice (2) in excess.
- f) Painting or transfer from a printer of both the mesh (2) and the frame (1). 20
- g) Framing or reinforcement of the frame (1) by means of a metallic structure (5) in order to provide resistance to it. 25

Claims

1. Decorative or advertising support for decorating exteriors at parties and events, **characterized by** being made up of a frame (1) with an externally and internally trimmed or cut-out shape according to the figure or pattern designed by a decorator, which includes a mesh or lattice (2) whose mesh size is sufficient for the wind to flow therethrough, and whose surface is directly illuminated by a strip of LEDs (3) installed on the inner perimeter edge (4) of said frame (1), these LEDs (3) being oriented towards the mesh or lattice (2), all being supported by an external metallic structure (5). 30 35 40
2. Decorative or advertising support for decorating exteriors at parties and events, according to claim 1, **characterized by** the fact that both the mesh or lattice (2) and the frame (1) are painted or decorated in the manner of a canvas, without the paint closing the holes in the mesh or lattice (2). 45
3. Method for the execution of the decorative or advertising support for the embellishment of exteriors in parties and events, **characterized by** comprising the following steps: 50
 - a) Choice of a decorative or advertising design that serves as a frame (1), for which any shape or size can be chosen, 55
 - b) Exterior and interior cut-out or trimming of the pattern or figure designed in the previous stage,
 - c) Installation of a strip of LEDs (3) on the inner

- perimeter edge (4) of said frame (1), facing laterally inwards,
- d) Fixing to the frame (1), with suitable coupling means, of a mesh or lattice (2) whose holes allows the wind to flow therethrough,
- e) Cut of the mesh or lattice (2) in excess.
- f) Painting or transfer from a printer of both the mesh (2) and the frame (1).
- g) Framing or reinforcement of the frame (1) by means of a metallic structure (5) in order to provide resistance to it.

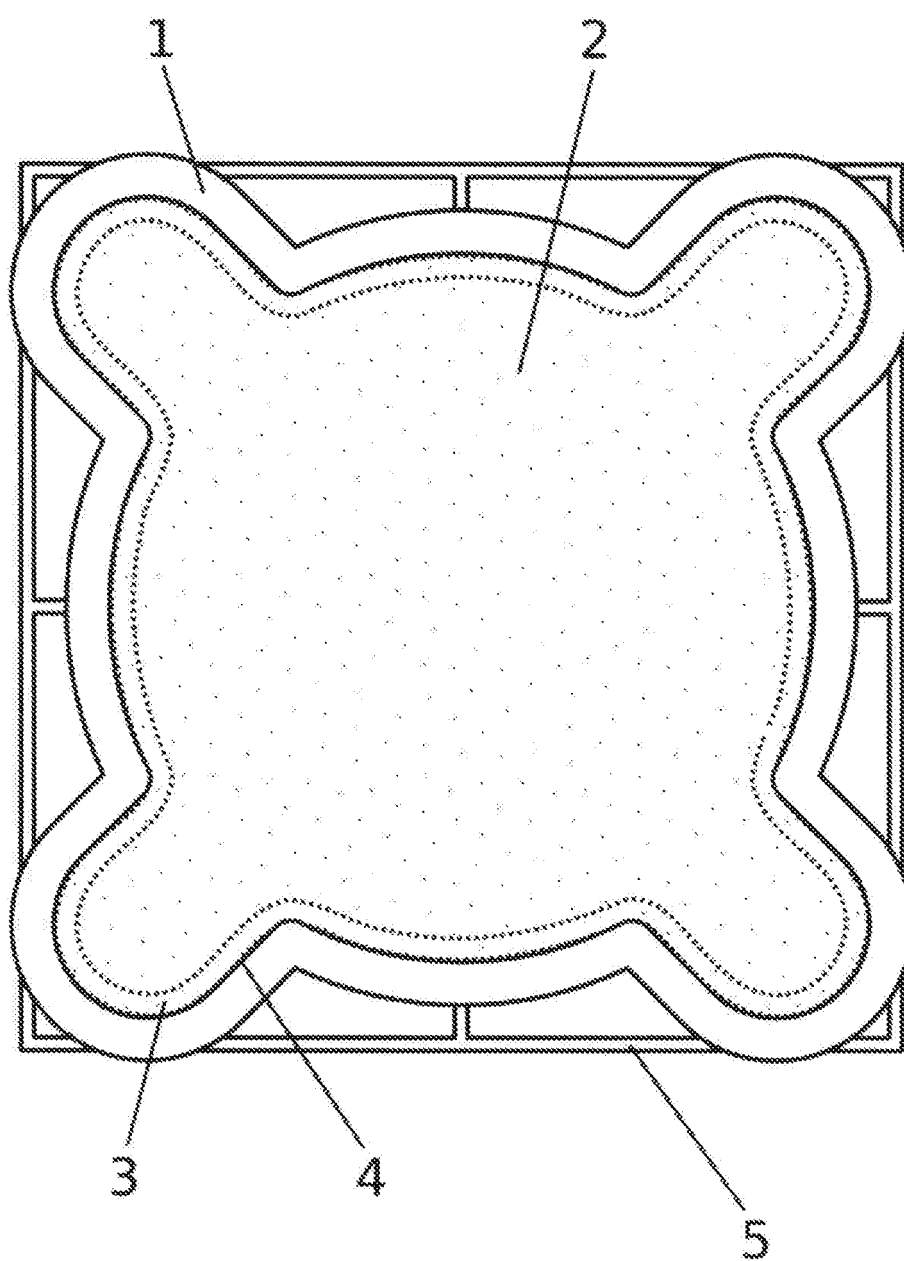


FIG 1

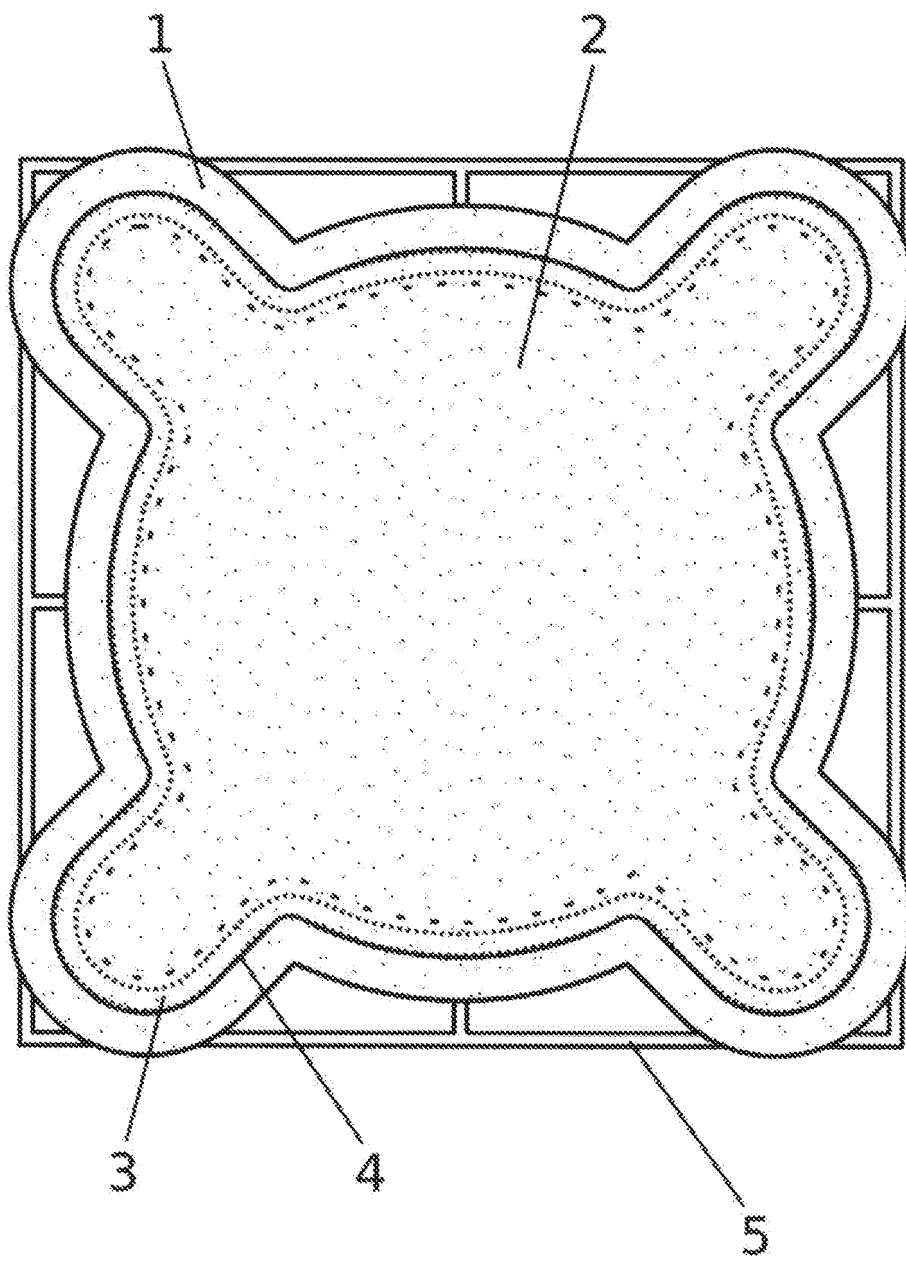


FIG 2

INTERNATIONAL SEARCH REPORT

International application No.

PCT/ES2017/000071

A. CLASSIFICATION OF SUBJECT MATTER

G09F13/00 (2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G09F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, INVENES, WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5428912 A (GRONDAL DANIEL J ET AL.) 04/07/1995,	1,3
A	US 5448843 A (SCHWARTZ STEVEN) 12/09/1995,	1,3
A	US 2007247873 A1 (AWAI GEORGE K ET AL.) 25/10/2007,	1,3
A	EP 1829708 A1 (YAMAHA MOTOR CO LTD) 05/09/2007,	1,3

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance.

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure use, exhibition, or other means.

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

07/09/2017

Date of mailing of the international search report

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Name and mailing address of the ISA/

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Form PCT/ISA/210 (second sheet) (January 2015)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/ES2017/000071

Information on patent family members

Patent document cited in the search report	Publication date	Patent family member(s)	Publication date
US5428912 A	04.07.1995	US6026602 A US5542201 A	22.02.2000 06.08.1996
----- US5448843 A	----- 12.09.1995	----- US5697175 A	----- 16.12.1997
----- US2007247873 A1	----- 25.10.2007	WO2007127325 A2 WO2007127325 A3 US7540628 B2 US2007245607 A1	08.11.2007 04.12.2008 02.06.2009 25.10.2007
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Form PCT/ISA/210 (patent family annex) (January 2015)

REFERENCES CITED IN THE DESCRIPTION

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Patent documents cited in the description

- ES 2324117 T3 [0007]
- ES Q217687 U [0008]
- ES 1074153 U [0009]