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(54) **BOOK SUPPORT COMPRISING A FIXING BASE**

(57) The invention relates to a book support comprising a fixing base. The inventive device, which has a variable profile, consists of a vertical panel (1) and a horizontal panel (2). The invention also comprises fixing elements (3) which do not damage the surface on which the device is disposed. Moreover, decorative elements or practical elements for housing tools or other objects

can also be included. In an alternative embodiment of the invention, the aforementioned panels (1 and 2) are joined by means of movable elements, such as bent rods (4) which are inserted into holes (5) and which can be used to vary the position of the assembly or to disassemble same. In addition, the device can be extended with the incorporation of new rods (4) and panels (1 and 2).

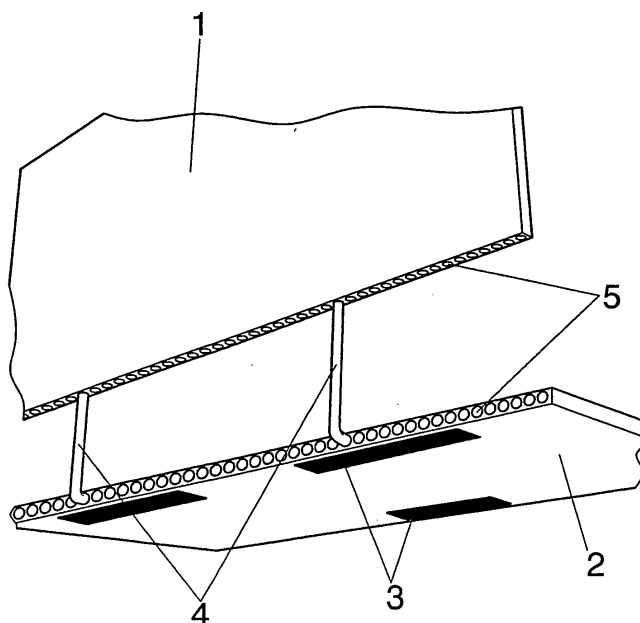


FIG. 11

Description

OBJECT OF THE INVENTION

[0001] As expressed by the title of this specification, the present invention relates to a book support comprising a fixing base providing the function for which it is intended with a series of advantages and features, in addition to others inherent to its organization and constitution, which will be described in detail below and which involve an alternative and/or embodiment to that known in this field.

[0002] More specifically, the invention consists of an object with an L, inverted T, U or horizontal F-shaped profile intended to carry out containing functions, one or several fixing elements being applied on the surfaces of the object which can come into contact with the surface to which it is to be fixed, providing such object with the capacity to remain immobile against reasonable forces acting thereupon, even when the latter is located on inclined or irregular surfaces.

FIELD OF APPLICATION

[0003] The field of application of the invention is comprised within the industry dedicated to manufacturing auxiliary elements and accessories of furniture for companies, offices or studies and for homes.

BACKGROUND OF THE INVENTION

[0004] Different types of book supports are known and some of them have different systems for preventing their movement, either by adjustable elastic means, or because they need anchors or support points, etc.

[0005] In some cases, the fixing element of the book support is limited with regard to the capacity of elements to which it can apply its containment capacity, or they do not cover the entire available surface for housing the objects, and if they do so, they are not easy to manufacture and in some cases, their use is not simple either.

[0006] In addition, there is a drawback while adapting them to the different dimensions that the books or objects to be supported may have as well as the volume that they occupy for their storage or transport because in most cases they are elements with a rigid and fixed configuration.

[0007] It must be mentioned that the applicant is not aware of the existence of a book support comprising a fixing base having technical, structural and constitutive features similar to those proposed by the present invention, the object of which is to solve the indicated drawbacks.

DESCRIPTION OF THE INVENTION

[0008] The book support comprising a fixing base has a morphology with an L-shaped profile with variable di-

mensions, formed by one or several parts and manufactured with one or several materials (plastics, metals, woods, fibers, meshes...), although other profiles, such as the inverted T, U or horizontal F-shaped profile, are anticipated.

[0009] If the type of material used allows it, the entire object can be made, if desired, from a single part if the material is suitably folded, or with the incorporation of detachable and integral or mobile elements in a second production stage, in such case solving the aforementioned drawback of adaptation to the different dimensions that the books or objects to be supported may have as well as the volume that it occupies for its storage.

[0010] To that end, it is provided that movable joining elements, such as bent rods which, inserted into holes provided in one, several or all the sides of the vertical and horizontal parts forming the book support, allow fixing the position of each of them in a variable and versatile manner, and/or allow separating one, several or all its components and/or opening them and/or adjusting their relative position with respect to the remaining components, can be used for the version of the book support made of several parts, thus obtaining a book support which can be completely or partially disassembled and/or folded and/or extended.

[0011] The book support can furthermore be provided with specific aspects in its morphology which allow incorporating new elements, such that an L-shaped profile can be changed into a new inverted T-shaped profile, to an U-shaped profile, to a horizontal F-shaped profile or to other profiles by means of increasing the number of parts or surfaces intended to carry out the object holding, supporting or containing functions, the supporting functions and the joining elements, a book support being obtained which can be extended in addition to the attributes mentioned in the previous paragraph.

[0012] One, several or all the surfaces of the book support can be completely or partially smooth or rough, with holes or flanges (with or without handgrip functions), or can have different outlines or be decorated with different printed, implanted, engraved or embossed ornamental motifs.

[0013] All the versions have one or several fixing elements in the surfaces of the object which can come into contact with the surface to which it is to be fixed.

[0014] Said fixing elements are placed in the form of strips or patches, and their condition of fixing elements is due to the chemical compound or to the physical features completely or partially forming them, but by no means do they damage the surface on which the book support is to be placed.

[0015] The fixing elements are further able to assure that the book support, located on a surface, does not move against the action of reasonable forces, while at the same time they enable replacing the book support by simply lifting it and placing it again in the desired place.

[0016] As has been mentioned, said strips or patches can be of different kinds and a variety of dimensions,

completely or partially covering one, several or all the faces of the object.

[0017] The support thus formed has the quality of containing and preventing the movement of any object that is supported or pushed against it, exerting reasonable pushing force values, even in relatively inclined surfaces, regardless of the side of the support on which an object is attached or on which the force is exerted.

[0018] The constitutive simplicity of the proposed object allows manufacturing it at extraordinarily reduced prices, allowing the manufacture in series, even in high-run batches, in addition to enabling the insertion of any ornamental motif by any means, or even advertising motifs.

[0019] Versions are also provided in which some of the faces incorporate practical elements (even hooks) which can house or retain pencils, compasses, rulers, sheets or any other tool or object.

[0020] The new book support comprising a fixing base therefore represents an innovative structure with structural and constitutive features that were unknown up until now for such purpose, which reasons, in addition to its practical usefulness, provide it with sufficient grounds for obtaining the exclusive privilege which is being applied for.

DESCRIPTION OF THE DRAWINGS

[0021] To complement the description which is being made and with the aim of aiding to better understand the features of the invention, a set of drawings is attached to this specification as an integral part thereof, in which the following has been shown with an illustrative and non-limiting character.

[0022] Figure 1 shows a perspective view of an example, in this case with an L-shaped profile, of the book support comprising a fixing base according to the invention.

[0023] Figure 2 shows a side elevational view of the model shown in Figure 1, in which the L-shaped profile can be observed, and at the base of which an example of the placement of fixing elements can be observed.

[0024] Figure 3 shows a perspective view of the model referred to seen from the base, the example of fixing elements being observed with greater detail.

[0025] Figure 4 shows a perspective view of another embodiment version of the book support according to the invention, adopting an L-shaped profile formed by the coupling, by means of bent rods, of the vertical panel intended to carry out the holding and supporting functions and of the horizontal or support panel.

[0026] Figure 5 shows a side elevational view of the example shown in Figure 4, the L-shaped profile being observed and at the base of which a placement of the fixing elements can be observed.

[0027] Figure 6 shows a perspective view of the example shown in Figures 4 and 5 and in which the possibility of increasing its height and its useful base, thanks

to the movement of the respective panels on the rods forming the joining elements therebetween, can be observed.

[0028] Figure 7 shows a perspective view of the example shown in Figures 4, 5 and 6, the possibility of disassembling it into independent elements facilitating its storage and transport being observed.

[0029] Figure 8 shows a perspective view of the example shown in the previous figures which shows the possibility of completely lowering one of its panels.

[0030] Figure 9 shows a perspective view of another embodiment of the invention, in this case adopting an inverted T-shape profile as a new panel has been incorporated to the book support with an L-shaped profile by means of incorporating new coupling rods to the previous example.

[0031] Figure 10 shows a perspective view of a new example of the book support of the invention, initially with an inverted T-shaped profile and finished with a horizontal F-shaped profile by means of incorporating additional panels and rods.

[0032] Figure 11 shows a more detailed perspective view in which the side holes made in the vertical and horizontal panels can be observed, which holes are intended for the insertion of the rods forming the joining element.

PREFERRED EMBODIMENT OF THE INVENTION

[0033] In view of the mentioned figures and according to the adopted numbers, a preferred exemplary embodiment of the proposed book support comprising a fixing base can be observed, which, as shown, is formed by a rectangular laminar plate with variable dimensions in which a right-angle fold has been carried out such that an object with an L-shaped profile is formed, in which object two areas can be distinguished: a vertical panel (1), intended to carry out object holding, supporting or containing functions, and a horizontal panel (2), which will carry out the book support base or supporting functions, between which panels there is a 90° angle for this example, and can be any other angle for other versions.

[0034] By observing Figure 3, the fixing elements (3) can be seen located under the horizontal panel (2), as this is the area which can come into contact with the surface to which the book support is to be fixed.

[0035] Said fixing elements (3) are placed in the form of strips or patches and their condition of fixing elements is due to the chemical compound or to the physical features completely or partially forming them, but by no means do they damage the surface on which the book support is to be placed.

[0036] In these conditions, the first book or object which is attached or exerts reasonable force on any of the vertical surfaces (1), being or not being placed on the horizontal support panel (2), will neither cause the lowering nor the movement of the book support, without the weight of the book or object itself having to prevent it.

Said book support can furthermore also fulfill its functions placed on relatively inclined surfaces.

[0037] In the exemplary embodiment shown in Figures 1 to 3, the horizontal support panel (2) forms part of the vertical panel (1) itself, the seating base being caused by the folding of that panel (2); it is nevertheless necessary to state that the panels can have an independent origin, panel (2) with respect to panel (1), being made integral in a second production stage by suitable means when the material forming the object is sufficiently malleable, as is the case of wood, or when the materials of the vertical panel (1) and of the horizontal support panel (2) are of a different nature.

[0038] In addition, the book support comprising a fixing base can furthermore be completely or partially disassembled, folded and/or extended as can be seen in Figures 4 to 8 of the drawings, i.e. a book support with a preferably L-shaped profile formed by the coupling of the vertical panel (1), intended to carry out book or object holding, supporting or containing functions, and of the horizontal or support panel (2) incorporating fastening elements (3), by means of bent rods (4) inserted into holes (5) provided in one, several or all the sides of the vertical panel (1) and of the horizontal panel (2).

[0039] The book support comprising a fixing base can also be extended, allowing the transformation of an L-shaped profile into an inverted T, U or horizontal F-shaped profile by means of the coupling of new rods (4) as well as new vertical (1) and horizontal (2) panels, as can be seen in Figures 9 and 10.

[0040] Having sufficiently described the nature of the present invention as well as the way of putting it into practice, it is stated that, within its essentiality, it can be put into practice in other embodiments that differ in detail from that indicated by way of example, which embodiments will also fall under the claimed protection provided that its fundamental principle is not altered, changed or modified.

Claims

1. A book support comprising a fixing base, of the type intended to carry out containing functions, formed by at least one vertical panel (1), intended to carry out object holding, supporting or containing functions, and a horizontal panel (2) carrying out book support base or supporting functions, having an L, T-shaped, ... profile, with a variable outline and dimensions, the surfaces of which can be completely or partially smooth or rough, with holes or flanges (with or without handgrip functions), **characterized by** the fact of having fixing elements (3) with variable dimensions in any, several or all the faces which can come into contact with the surface to which it is to be fixed.

2. A book support comprising a fixing base according

to claim 1, **characterized by** the fact of enabling the placement of decorative elements or motifs in one, several or all its surfaces; and in that it optionally provides the incorporation of practical elements (such as hooks, etc.) which can house or retain pencils, compasses, rulers, sheets or any other tool or object.

3. A book support comprising a fixing base according to claims 1 and 2, **characterized by** the fact that in an alternative version, the vertical panel or panels (1) and the horizontal panel or panels (2) are joined to one another by means of movable coupling elements, such as bent rods (4) inserted into holes (5) provided in one, several or all their sides, such that they allow varying, lowering and/or adjusting their relative position as well as their complete disassembly.

4. A book support comprising a fixing base according to claim 3, **characterized by** the fact that it can be extended by changing an L-shaped profile into an inverted T, horizontal F, U-shaped profile or any other profile by means of incorporating new coupling rods (4) as well as new vertical (1) and horizontal (2) panels.

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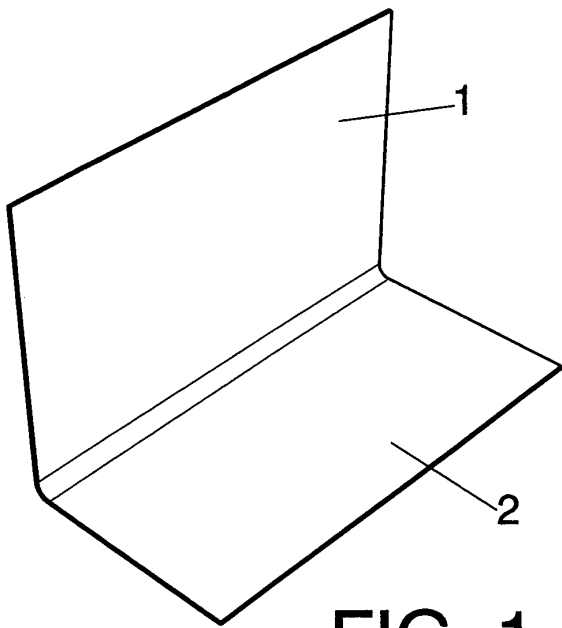


FIG. 1

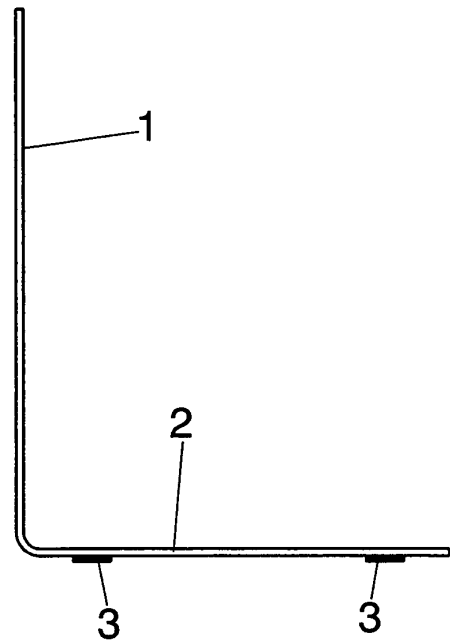


FIG. 2

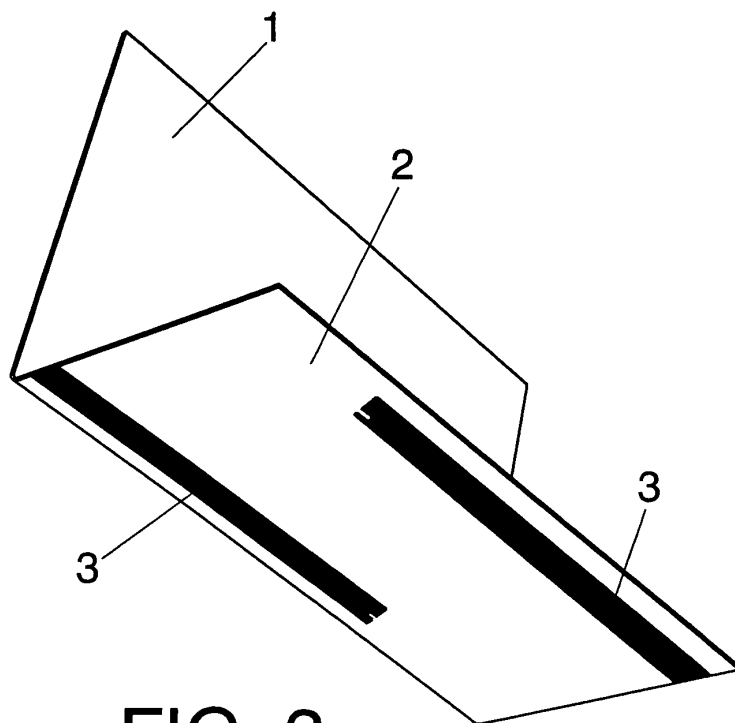


FIG. 3

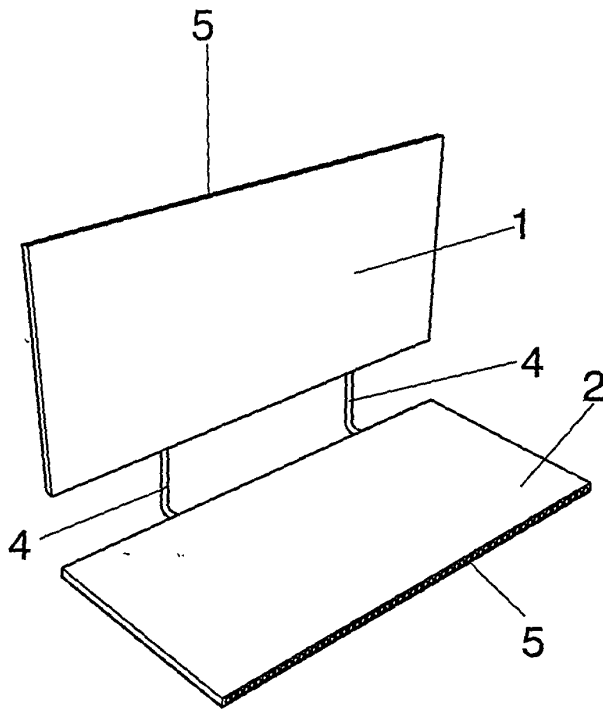


FIG. 4

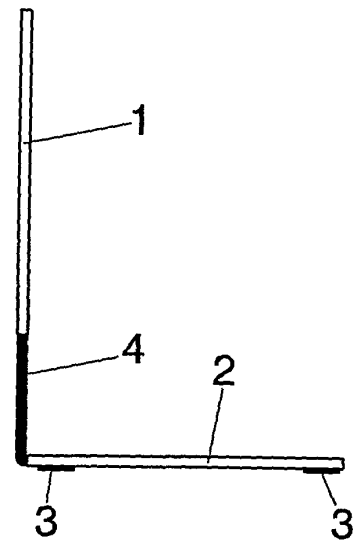


FIG. 5

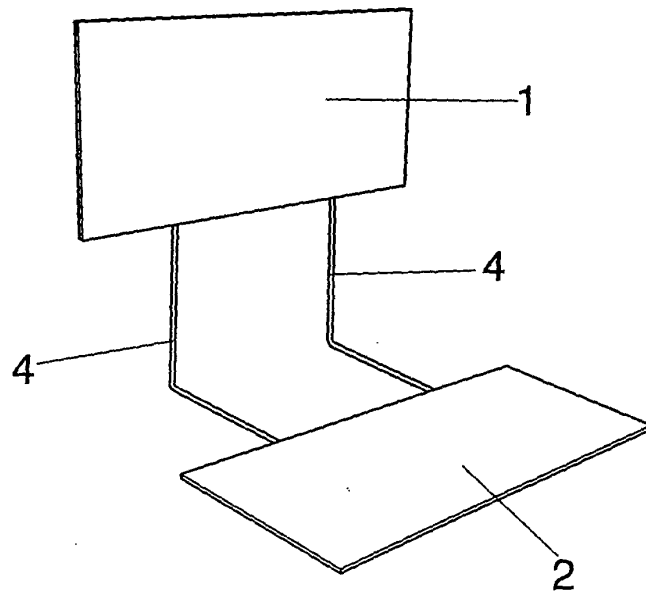


FIG. 6

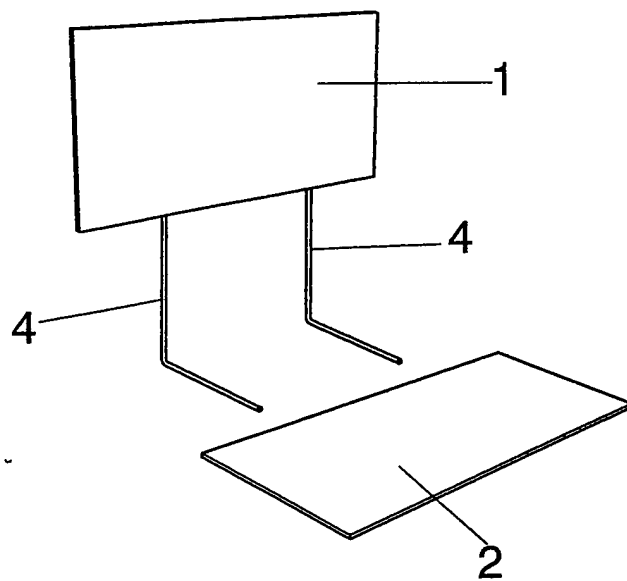


FIG. 7

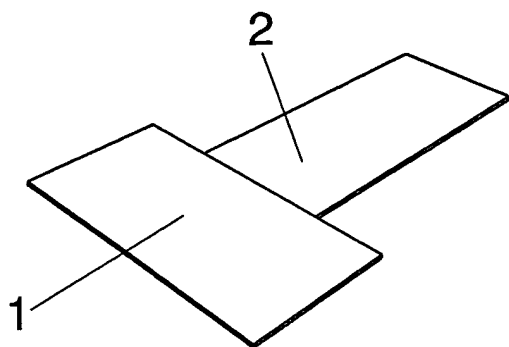


FIG. 8

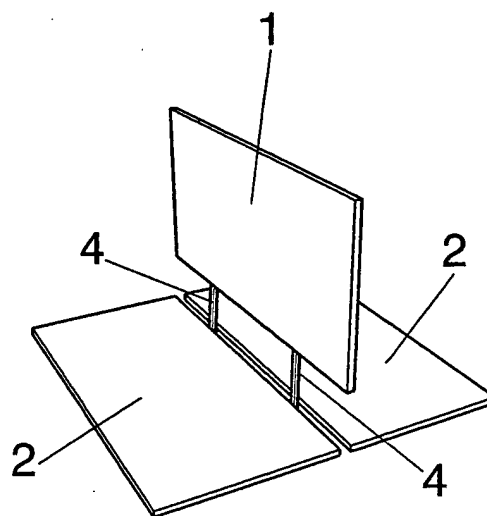


FIG. 9

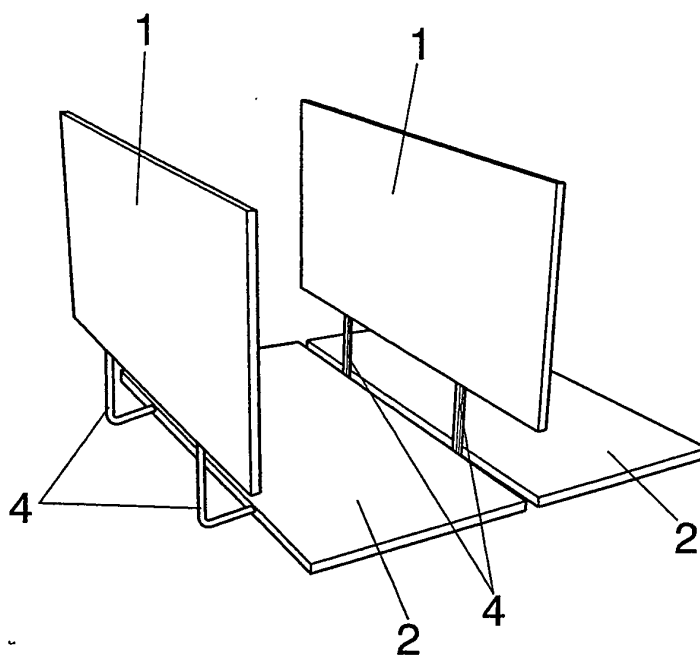


FIG. 10

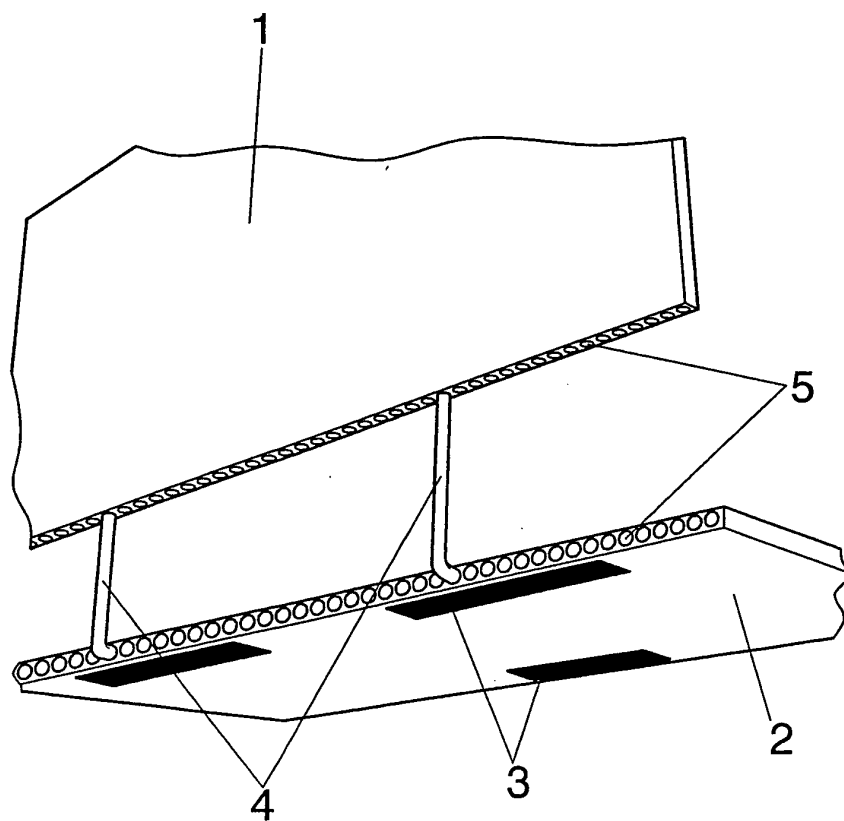


FIG. 11

INTERNATIONAL SEARCH REPORT

International application No.

PCT/ ES 2005/000610

A. CLASSIFICATION OF SUBJECT MATTER		
<i>A47B 65/00 (2006.01)</i> 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)		
A47B		
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)		
CIBEPAT, EPODOC, WPI, TXTE, TXTF		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 6352162 B1 (YANG, J. S. & EICK, D. A.) 05.03.2002, The whole document	1, 2 3, 4
Y A	GB 874788 A (WORTLEY, G. C.) 10.08.1961, The whole document	3, 4 1, 2
X Y	US 3235092 A (SCHWARZ, R.) 15.02.1966, The whole document	1, 2 3, 4
Y A	US 3784021 A (MARK, M. F.) 08.01.1974, The whole document	3, 4 1, 2
X	US 3974918 A (YAREMCHUK, G.) 17.08.1976, The whole document	1, 2
X	US 3971556 A (PETRIE, R. D., WENSLEY, T. E., WATKINS, C. & GAMINDE, J.) 27.07.1976, The whole document	1, 2
A	US 4387534 A (LEWANDOWSKI, R. J. & SPECTOR, G.) 14.06.1983, The whole document	1, 2
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
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Date of the actual completion of the international search		Date of mailing of the international search report
27 January 2006 (27.01.2006)		08 February 2006 (08.02.2006)
Name and mailing address of the ISA/ S.P.T.O.		Authorized officer
Facsimile No.		Telephone No.

Form PCT/ISA/210 (second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/ ES 2005/000610

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US6352162 B1		05.03.2002	NONE
GB874788 A		10.08.1961	NONE
US3235092 A		15.02.1966	NONE
US3784021 A		08.01.1974	NONE
US 3974918 A		17.08.1976	CA 1054570 A 15.05.1979
US3971556 A		27.07.1976	NONE
US4387534 A		14.06.1983	NONE

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