



(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:
01.04.2009 Bulletin 2009/14

(51) Int Cl.:
B32B 29/00 ^(2006.01) **E04C 2/00** ^(2006.01)
D21H 27/30 ^(2006.01) **D21H 27/40** ^(2006.01)
E04F 13/08 ^(2006.01) **A47B 47/06** ^(2006.01)

(21) Application number: **07115529.5**

(22) Date of filing: **03.09.2007**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR MK RS

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(54) **Paperboard assembly**

(57) A paperboard assembly includes a paperboard with hook-loop member connected to at least one side of the paperboard. The paperboard includes a top board, a bottom board and a mediate portion which is connected

between the top board and the bottom board. The paperboard assemblies can be connected to each other or separated from each other by the hook-loop members. The paperboard assemblies are connected in a specific arrangement to form a desired shape.

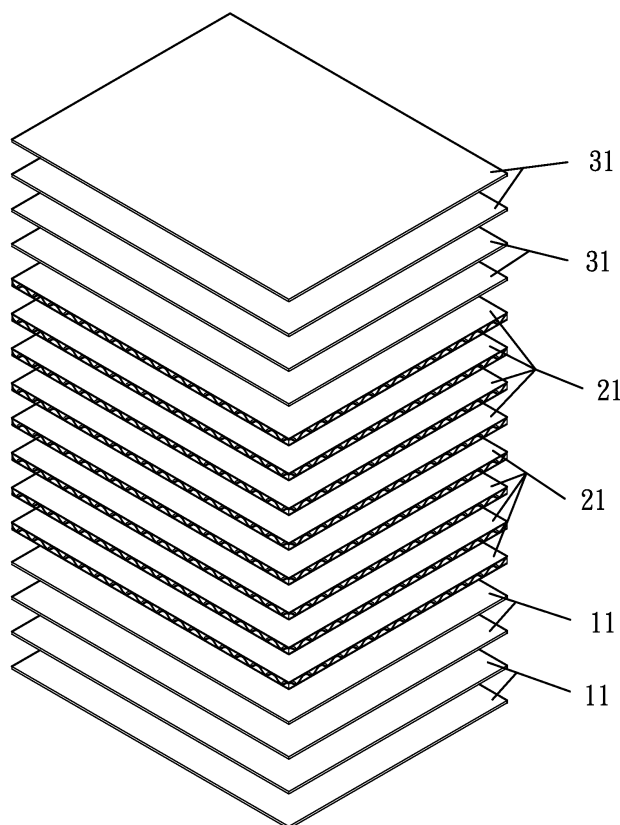


FIG. 1

Description

BACKGROUND OF THE INVENTION

(1) FIELD OF THE INVENTION

[0001] The present invention relates to a paperboard assembly which includes a top board, a bottom board and a mediate portion connected between the top and bottom boards. Hook-loop members are connected to sides of the paperboard.

(2) DESCRIPTION OF THE PRIOR ART

[0002] Conventional furniture made by paperboard generally uses corrugated paperboards which are piled and glued together so as to form a thick and strong paperboard. The paperboards are bent to desired shapes and are connected with each other by glue. An inherent shortcoming for this type of the paperboards is that once the paperboard is bent, it cannot be reuse by straightening it and bending it at different positions. Besides, an obvious trace can be seen after the paperboard is bent and the bent position is weak and cannot support loads. Once the paperboards are glued, they are not able to be separated from each other.

[0003] The present invention intends to provide a paperboard assembly which includes a top board, a bottom board and a mediate portion which is corrugated paper. The net weight of the top board is at least 450g/m² and the net weight of the bottom board is at least 450g/m². Hook-loop members are attached to desired sides of the paperboard assembly so that the paperboard assemblies can be connected to each other.

SUMMARY OF THE INVENTION

[0004] The present invention relates to a paperboard assembly which comprises a top board, a bottom board and a mediate portion which is connected between the top board and the bottom board. Hook-loop members connected to sides of the paperboard and the paperboard assemblies are connected to each other to form an object with desired shape. The paperboard assemblies are able to re-use.

[0005] The present invention will become more obvious from the following description when taken in connection with the accompanying drawings which show, for purposes of illustration only, a preferred embodiment in accordance with the present invention.

BRIEF DESCRIPTION OF THE DRAWINGS

[0006]

Fig. 1 is an exploded view to show the paperboard of the present invention;

Fig. 2 is a perspective view to show the paperboard

of the present invention;

Fig. 3 shows that the paperboard assemblies are connected to form a table;

Fig. 4 shows that the paperboard assemblies are connected to form a separation wall;

Fig. 5 shows that the paperboard assemblies are connected to form a cabinet;

Fig. 6 shows another embodiment of the paperboard assembly of the present invention, and

Fig. 7 is a perspective view to show the paperboard assembly of the present invention in Fig. 6.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0007] Referring to Figs. 1 to 3, the paperboard assembly of the present invention comprises a paperboard 1 which includes a top board 31, a bottom board 11 and a mediate portion 21 which is connected between the top board 31 and the bottom board 11. A net weight of the top board 31 is at least 450g/m² and a net weight of the bottom board 11 is at least 450g/m². The mediate portion 21 is corrugated paper.

[0008] In this embodiment, the number of layers of each of the top board 31 and the bottom board 11 is 4. The number of layer of the corrugated paper 21 is 8.

[0009] Hook-loop members are connected to desired sides of the paperboard 1 so that the paperboard assemblies can be connected with each other by the hook-loop members to form a table 2 as shown in Fig. 3. The hook-loop member includes a loop-surface member 41 and a hook-surface member 42 which can be hooked with the loop-surface member 41.

[0010] Fig. 4 shows that the paperboard assemblies are connected to form a separation wall and Fig. 5 shows that the paperboard assemblies are connected to form a cabinet 4.

[0011] Figs. 6 and 7 show that the number of the top board, the bottom board and the mediate portion is reduced to a desired number so form a light paperboard assembly 1a. Loop-surface member 41 and hook-surface member 42 are attached to desired sides of the paperboard.

[0012] The paperboard assemblies can be easily separated from each other and re-arranged to obtain different shape of objects. The outer surfaces of the paperboard assemblies can be printed to desired patterns, colors, logos and/or characters to meet different requirements.

[0013] While we have shown and described the embodiment in accordance with the present invention, it should be clear to those skilled in the art that further embodiments may be made without departing from the scope of the present invention.

Claims

1. A paperboard assembly comprising:

a paperboard (1) with hook-loop member connected to at least one side of the paperboard. 5
2. The assembly as claimed in claim 1, wherein the paperboard (1) includes a top board (31), a bottom board (11) and a mediate portion (21) which is connected between the top (31) board and the bottom board (11), the mediate portion (21) is corrugated paper. 10
3. The assembly as claimed in claim 2, wherein a net weight of the top board (31) is at least 450g/m² and a net weight of the bottom board (11) is at least 450g/m². 15
4. The assembly as claimed in claim 1, the hook-loop member includes a loop-surface member (41) and a hook-surface member (42). 20

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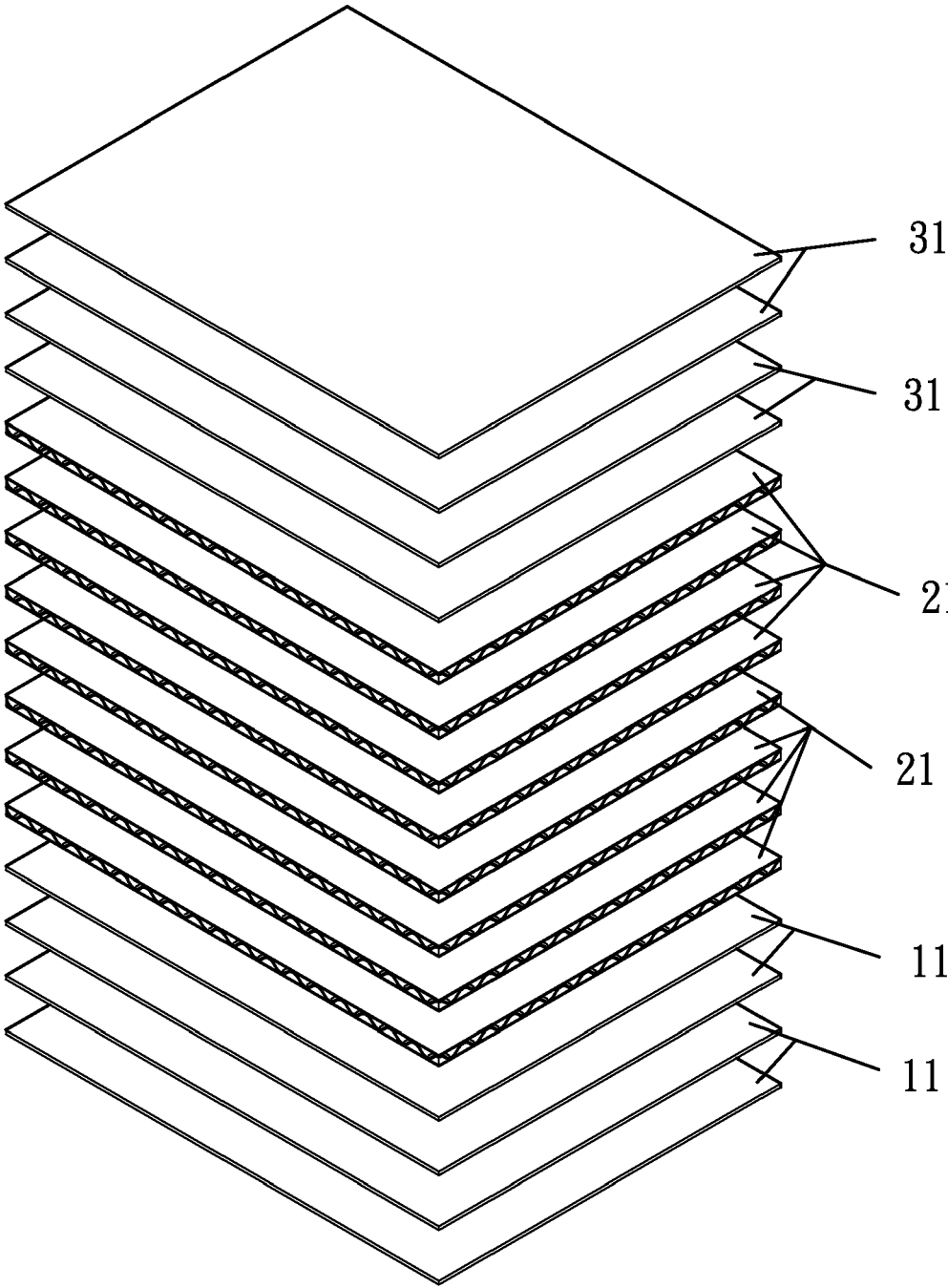


FIG. 1

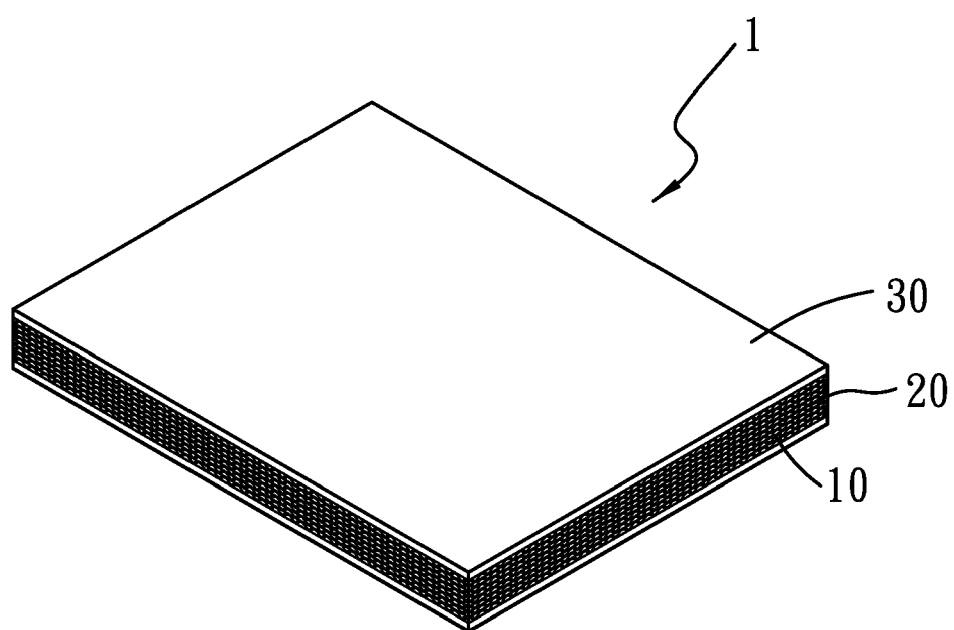


FIG. 2

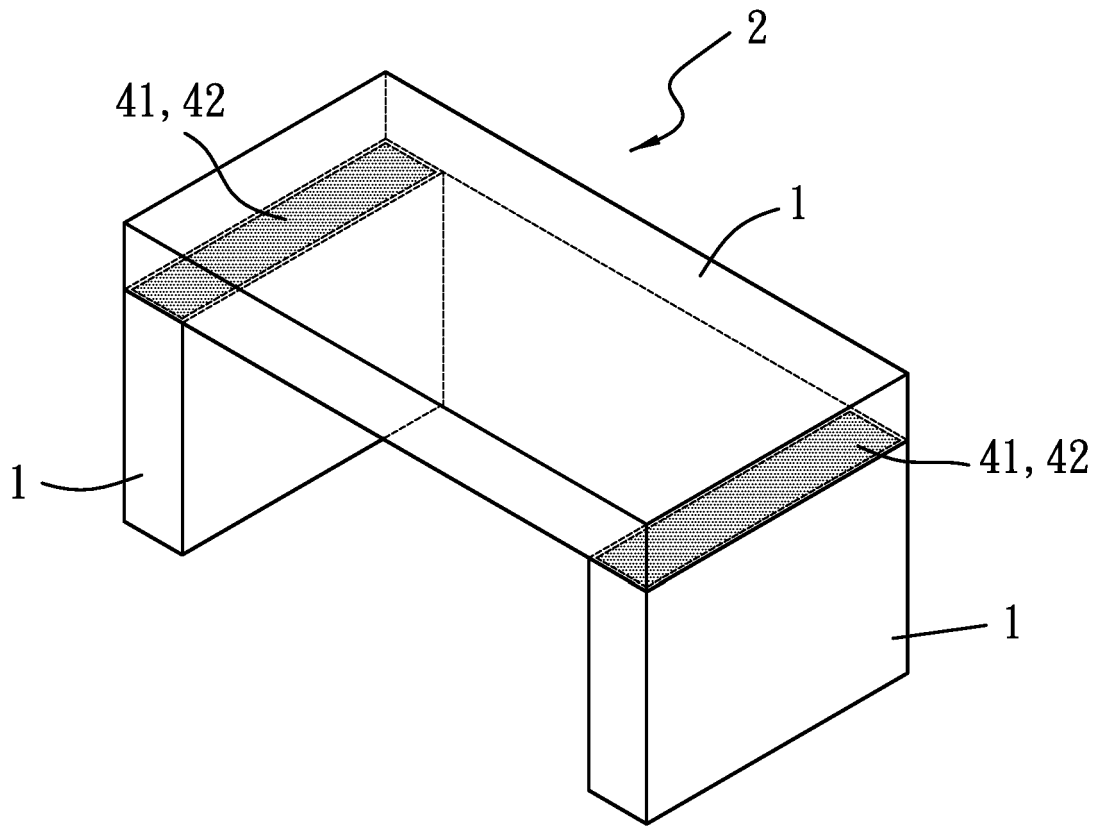


FIG. 3

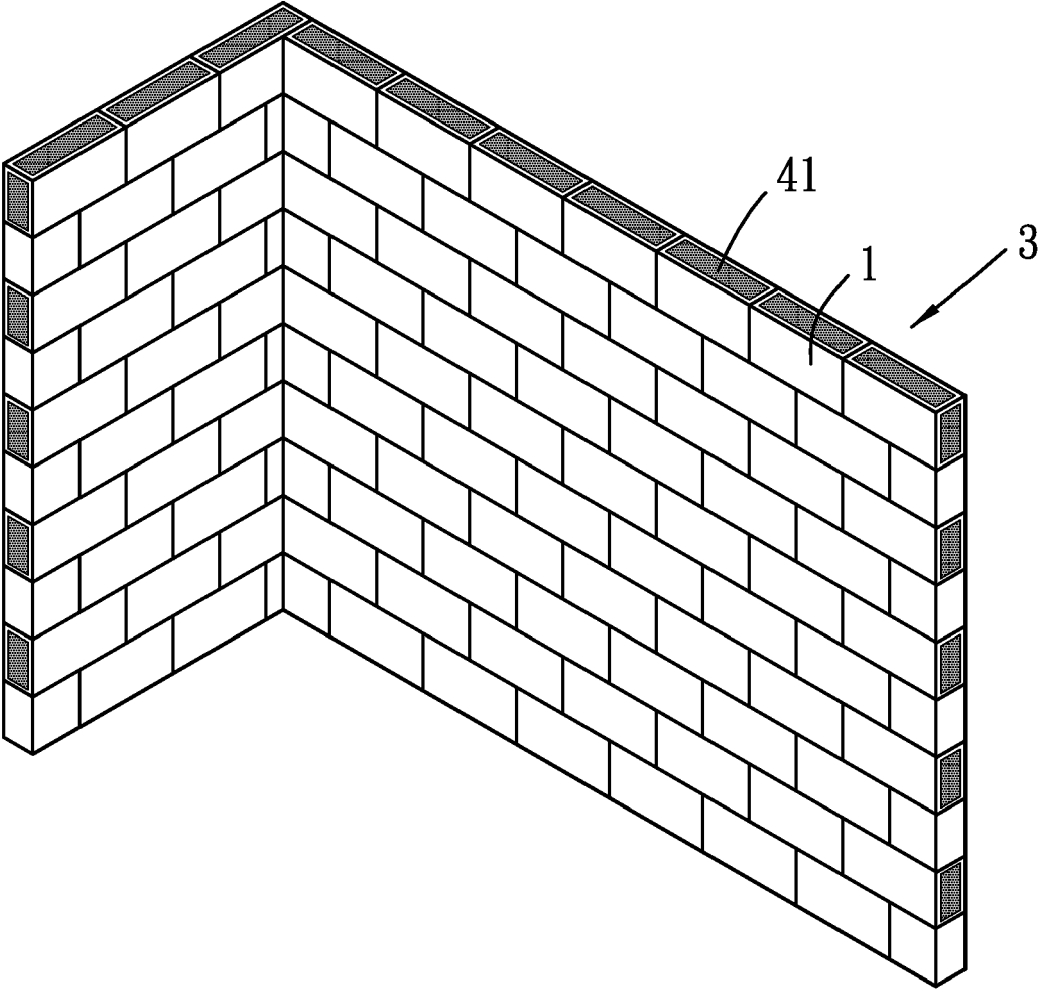


FIG. 4

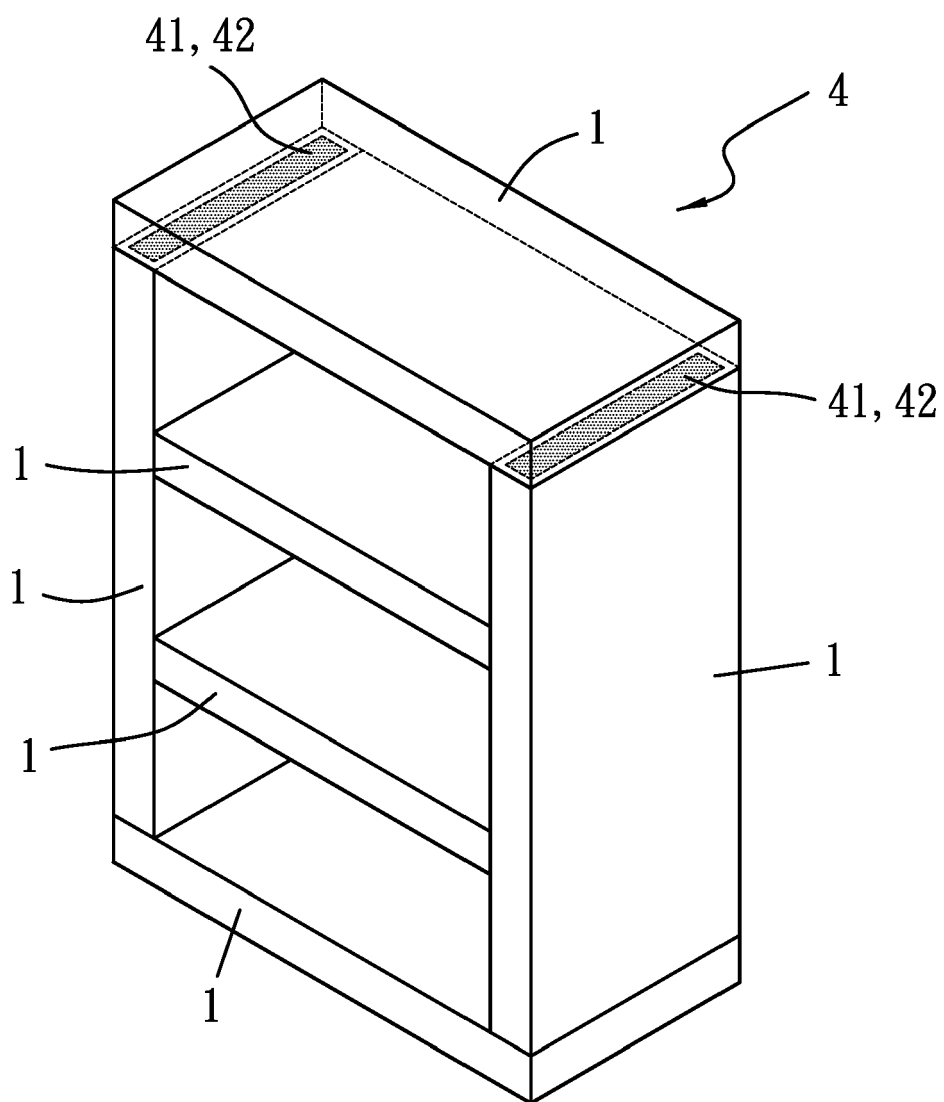


FIG. 5

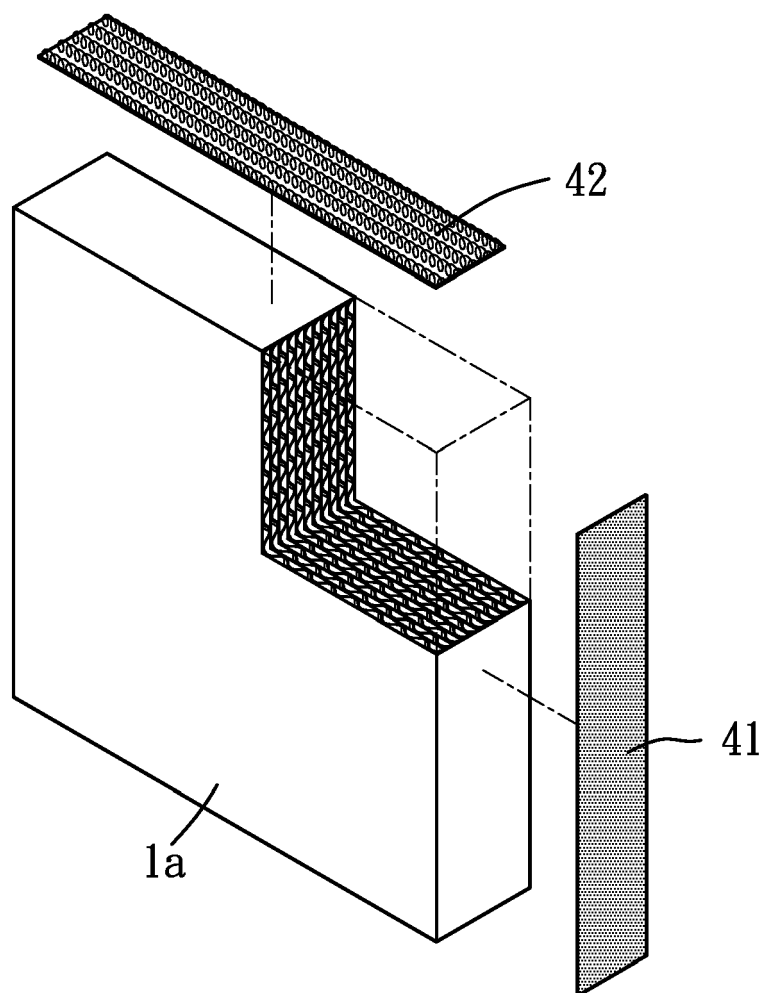


FIG. 6

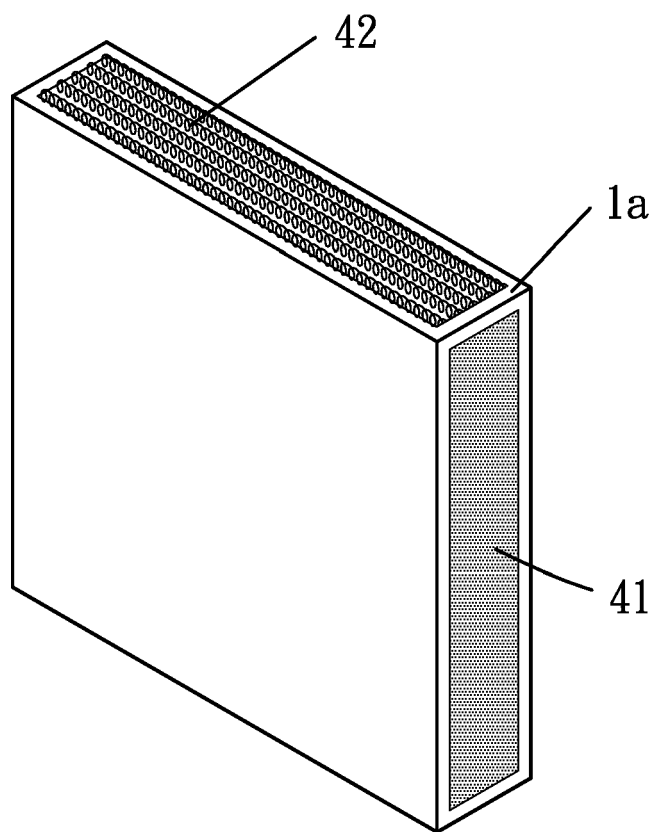


FIG. 7



EUROPEAN SEARCH REPORT

Application Number
EP 07 11 5529

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Place of search Munich		Date of completion of the search 13 February 2009	Examiner Ansonge, Markus
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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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