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(54) **Method for manufacturing a book, note book, diary or the like with a pocket**

(57) A method for manufacturing a book, copybook, diary or the like with a pocket, within an automatic production line, comprises the steps of: providing a die-cut plate that includes a first contoured portion, which is joined to a second die-cut portion by means of a fold line; the second portion being joined, by means of a second fold line, to a third portion; the first portion including a diagonal recess that is adapted to form the opening of the pocket in the finished product; the second portion includes a base notch; folding the first portion onto the second portion, onto which a bead of glue has been

spread beforehand which runs along the fold line in order to form a pocket-like portion that is joined to the third portion; applying the die-cut and folded panel to a book, inline, between the cover and the body of the book itself, so that the pocket-like portion constitutes the third flyleaf page of the book; fixing the die-cut and folded panel to the cover by pasting the first portion directly onto the inner edge of the cover by virtue of the presence of the notch, which allows direct contact between the first portion, which constitutes the outer part of the pocket, and the inner edge of the cover,

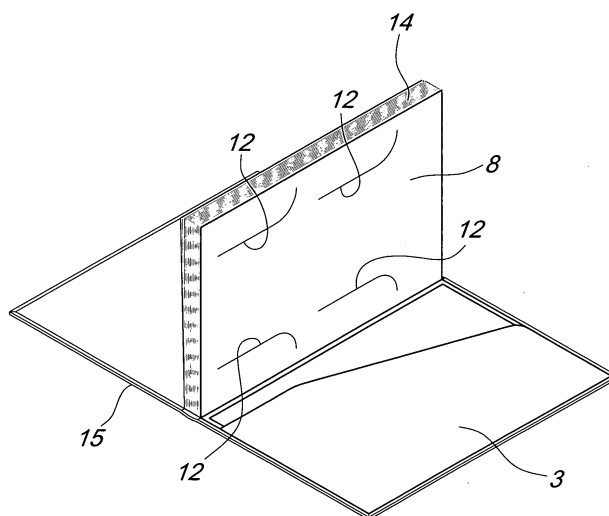


Fig. 9

Description

[0001] The present invention relates to a method for manufacturing a book, copybook, diary or the like with a pocket.

[0002] As is known, diaries or address books and sometimes copybooks and books are provided with one or more pockets formed inside the cover or in the flyleaf and are designed to contain sheets or other flat objects.

[0003] The provision of a pocket within a cover is an operation that is performed substantially manually and therefore entails an added production cost.

[0004] The aim of the present invention is to provide a method that allows to provide a pocket in a book, copybook, diary or the like, in automatic production lines of the type normally used to manufacture such items.

[0005] Within the scope of this aim, an object of the invention is to provide a method that allows to provide one or more pockets in an extremely economical manner if compared to the systems used so far.

[0006] This aim and these and other objects that will become better apparent hereinafter are achieved by a method for manufacturing a book, copybook, diary or the like with a pocket, within an automatic production line, characterized in that it comprises the steps of:

providing a die-cut plate that includes a first contoured portion, which is joined to a second die-cut portion by means of a fold line; the second portion being joined, by means of a second fold line, to a third portion; the first portion including a diagonal recess that is adapted to form the opening of the pocket in the finished product; the second portion including a base notch;

folding the first portion onto the second portion, onto which a bead of glue has been spread beforehand which runs along the fold line in order to form a pocket-like portion that is joined to the third portion; applying the die-cut and folded panel to a book, inline, between the cover and the body of the book itself, so that the pocket-like portion constitutes the third flyleaf of the book;

fixing the die-cut and folded panel to the cover by pasting the first portion directly onto the inner edge of the cover by virtue of the presence of the notch, which allows direct contact between the first portion, which constitutes the outer part of the pocket, and the inner edge of the cover.

[0007] Further characteristics and advantages will become better apparent from the description of preferred but not exclusive embodiments of the invention, illustrated by way of non-limiting example in the accompanying drawings, wherein:

Figure 1 is a plan view of a die-cut panel from which the structure according to the invention is obtained; Figures 2-6 are perspective views that illustrate in

sequence the manufacturing steps of the structure according to the invention, prior to the application of the structure to the final product;

Figure 7 is a perspective view showing the step of applying the structure to the cover;

Figure 8 is an exploded perspective view of the structure and of the book to which it will be applied;

Figure 9 is a perspective view of a book provided with the structure according to the present invention.

[0008] With reference to the cited figures, the method for manufacturing a book with a pocket, according to the invention, comprises the provision of a flyleaf structure, generally designated by the reference numeral 1, starting from a die-cut panel 2.

[0009] The die-cut panel 2, for reasons of economy in production, can be preset to provide two flyleaf structures 1, as in the example of embodiment described herein.

[0010] The die-cut panel 2, adapted to produce two flyleaf structures, includes a first contoured portion 3 that is joined to a second die-cut portion 4 by means of a fold line 5.

[0011] The second portion 4 is joined, by means of a second fold line 6, to a third portion 7, which in turn is joined to a fourth portion 8.

[0012] The panel 2 will subsequently be separated into two distinct portions along a cutting line 9. The cutting line 9 will define an upper structure and a lower structure, which are identical.

[0013] With reference to one of the two structures, the upper one or the lower one, the first portion 3 includes a diagonal recess 10, which will form the opening of the pocket in the finished product.

[0014] The second portion 4 includes a base notch 11, while the fourth portion 8 includes a series of pairs of contoured cuts 12, which will become receptacles for various objects, typically for business cards, postcards or similar objects to be inserted in the finished product.

[0015] In a first step of the method for providing the flyleaf structure, the first portion 3 is folded onto the second portion 4, onto which a bead of glue 13, that runs along the fold line 5, has been spread beforehand.

[0016] The folding and fixing sequence is shown schematically in Figures 2 to 5.

[0017] The panel is then cut along the cutting line 9, obtaining two structures 1, one of which is shown in Figure 6 in the extended position.

[0018] The first portion 3, joined to the second portion 4, has formed a pocket-like portion 33 that is joined to the third portion 7.

[0019] The resulting flyleaf structure can now be applied to a book 14, inline, between the cover 15 and the body of the book 14, so that the pocket-like portion 33 constitutes the third flyleaf of the book.

[0020] The structure is fixed by pasting the first portion 3 directly onto the inner edge 16 of the cover 15 by means of the base notch 11, which allows direct contact between the portion 3, which constitutes the outer part of the pocket-like portion 33, and the inner edge 16 of the cover 15.

et, and the inner edge 16 of the cover.

[0021] The portions 7 and 8 can constitute both the first flyleaf, as shown in Figure 7, and the flyleaf that lies opposite the flyleaf with the pocket and in turn provided with notches 12 that constitute seats for flat objects such as business cards.

[0022] In practice it has been found that the invention achieves the intended aim and objects, a method having been provided which allows to obtain, within an automatic production line, a book, diary, address book, or other similar product that has at least one pocket in the internal part of the cover.

[0023] This application claims the priority of Italian Patent Application No. M12009A001015, filed on June 10, 2009, the subject matter of which is incorporated herein by reference.

Claims

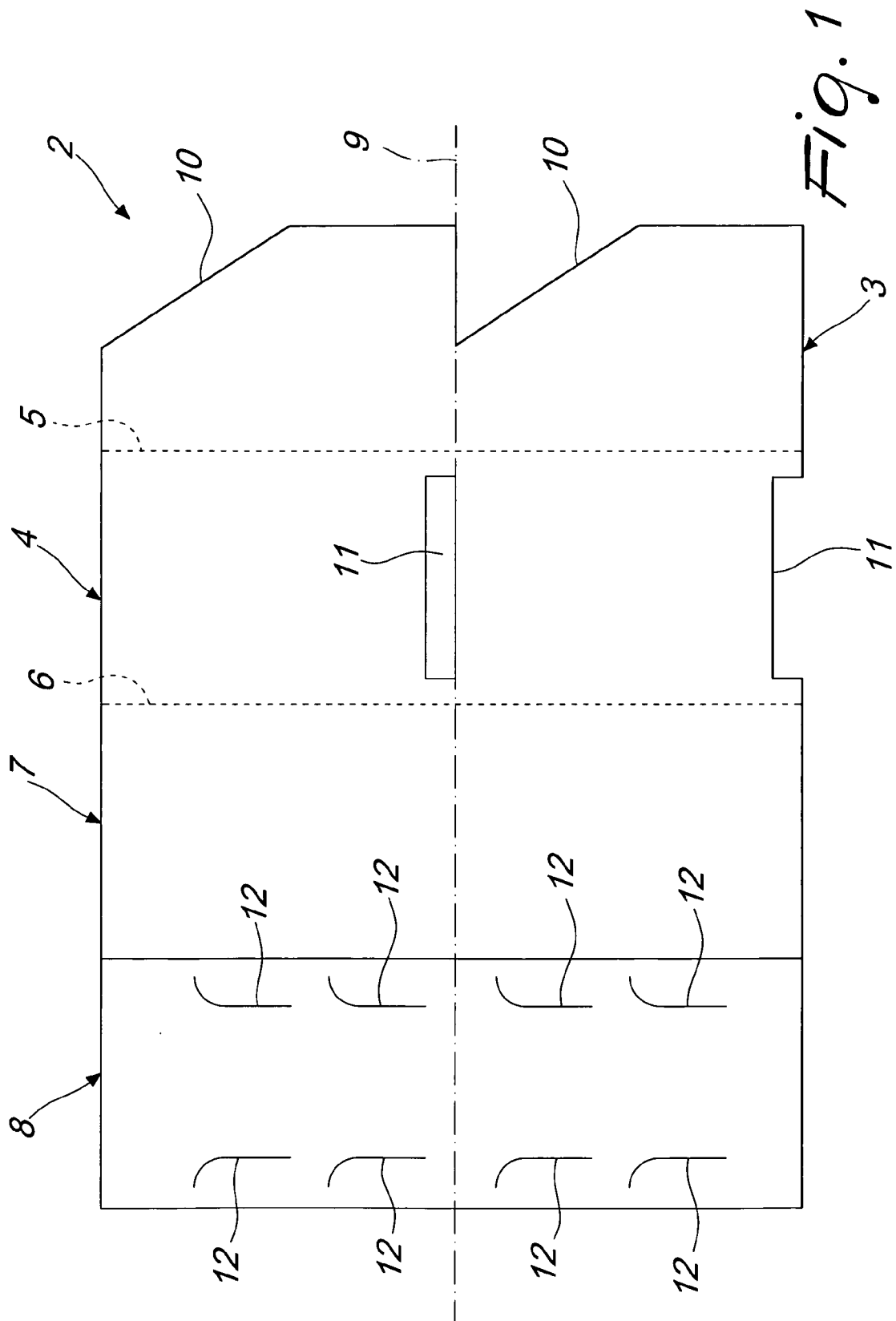
1. A method for manufacturing a book, copybook, diary or the like with a pocket, within an automatic production line, **characterized in that** it comprises the steps of:

providing a die-cut plate that comprises a first contoured portion, which is joined to a second die-cut portion by means of a fold line; said second portion being joined, by means of a second fold line, to a third portion; said first portion comprising a diagonal recess that is adapted to form the opening of the pocket in the finished product; said second portion comprising a base notch; folding said first portion onto the second portion, onto which a bead of glue has been spread beforehand which runs along the fold line in order to form a pocket-like portion that is joined to said third portion; applying said die-cut and folded panel to a book, inline, between the cover and the body of the book itself, so that the pocket-like portion constitutes the third flyleaf of the book; fixing said die-cut and folded panel to the cover by pasting said first portion directly onto the inner edge of said cover by means of said notch, which allows direct contact between said first portion, which constitutes the outer part of the pocket, and the inner edge of said cover.

2. The method according to claim 1, **characterized in that** said die-cut panel is double and is preset for providing two structures to be separated and used in two different products.
3. The method according to claim 1 or 2, **characterized in that** said double die-cut panel is separated into two distinct portions along a cutting line that forms an upper structure and a lower structure, which are

identical.

4. The method according to one or more of the preceding claims, **characterized in that** said die-cut panel comprises a fourth portion, which is joined to said third portion and comprises a series of pairs of contoured cuts adapted to constitute receptacles for various objects, typically for business cards, postcards or similar objects, to be inserted in the finished product.
5. The method according to one or more of the preceding claims, **characterized in that** said third and fourth portions can constitute both the first flyleaf and the flyleaf that lies opposite the flyleaf with the pocket and in turn is provided with notches that constitute seats for flat objects such as business cards.



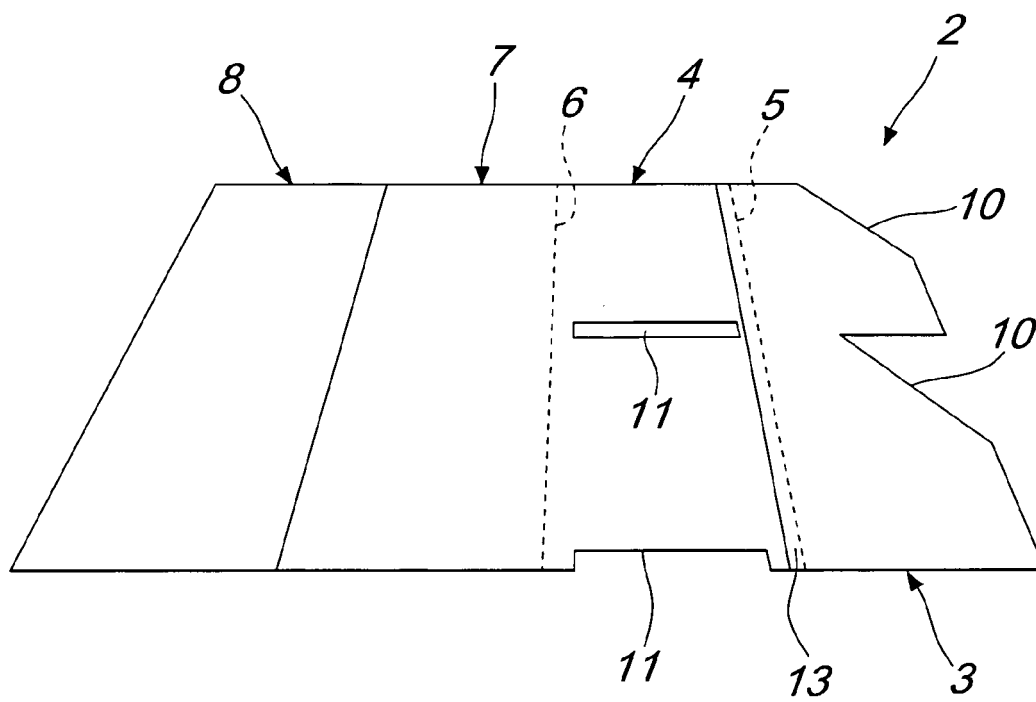


Fig. 2

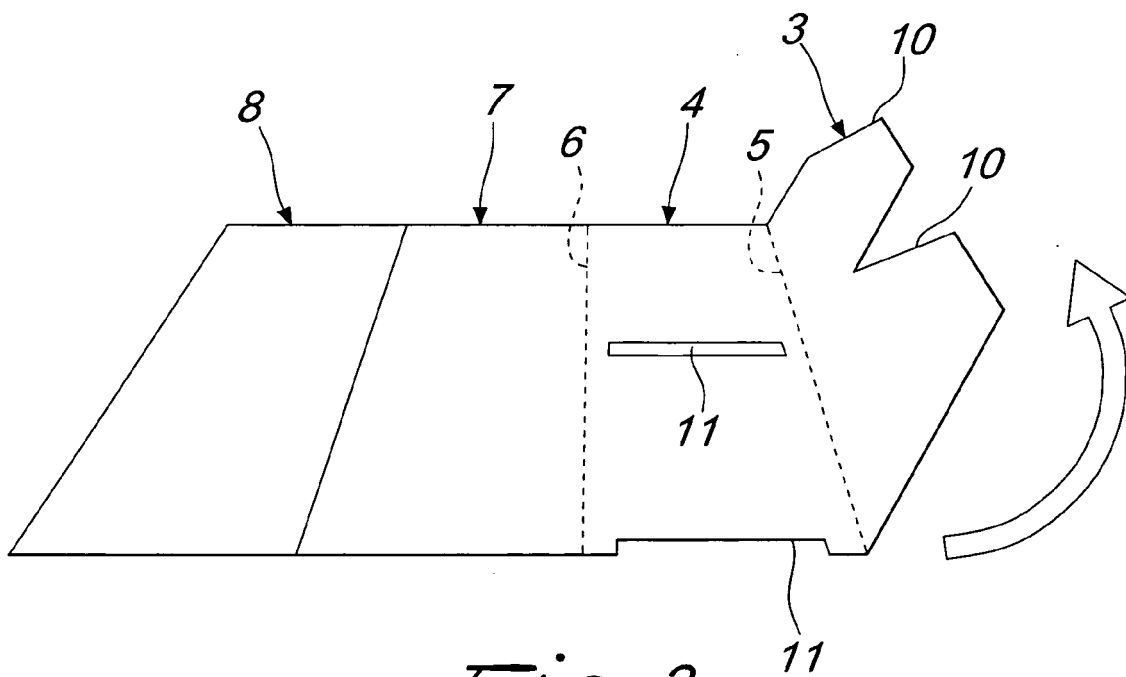
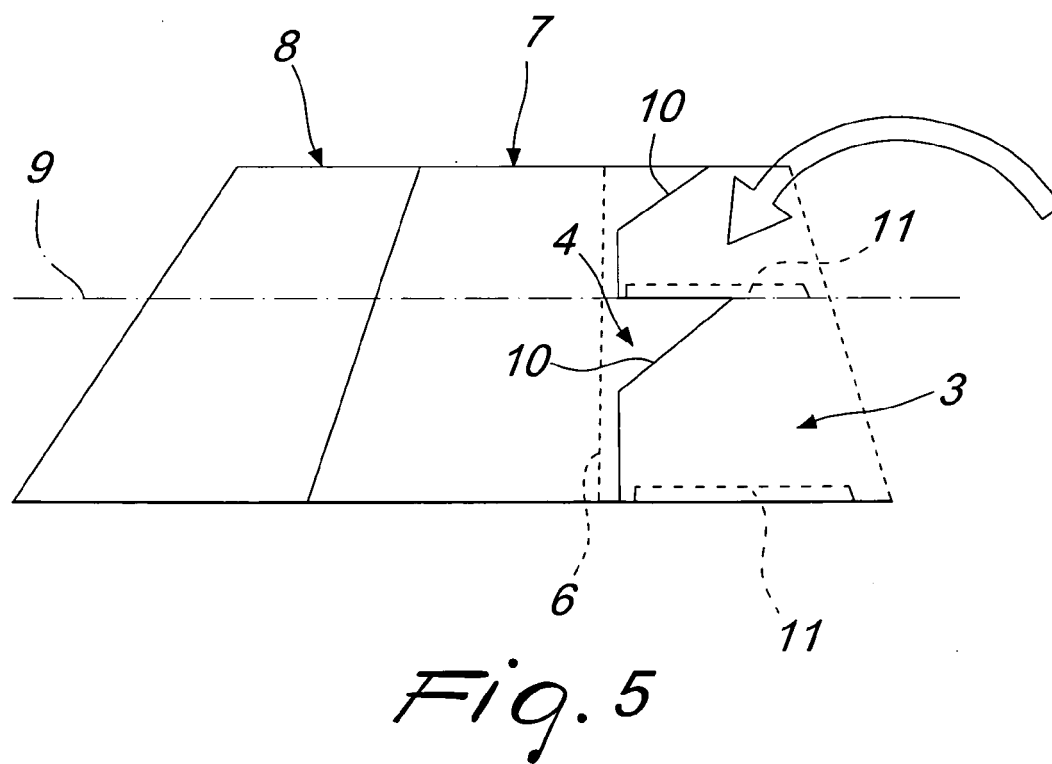
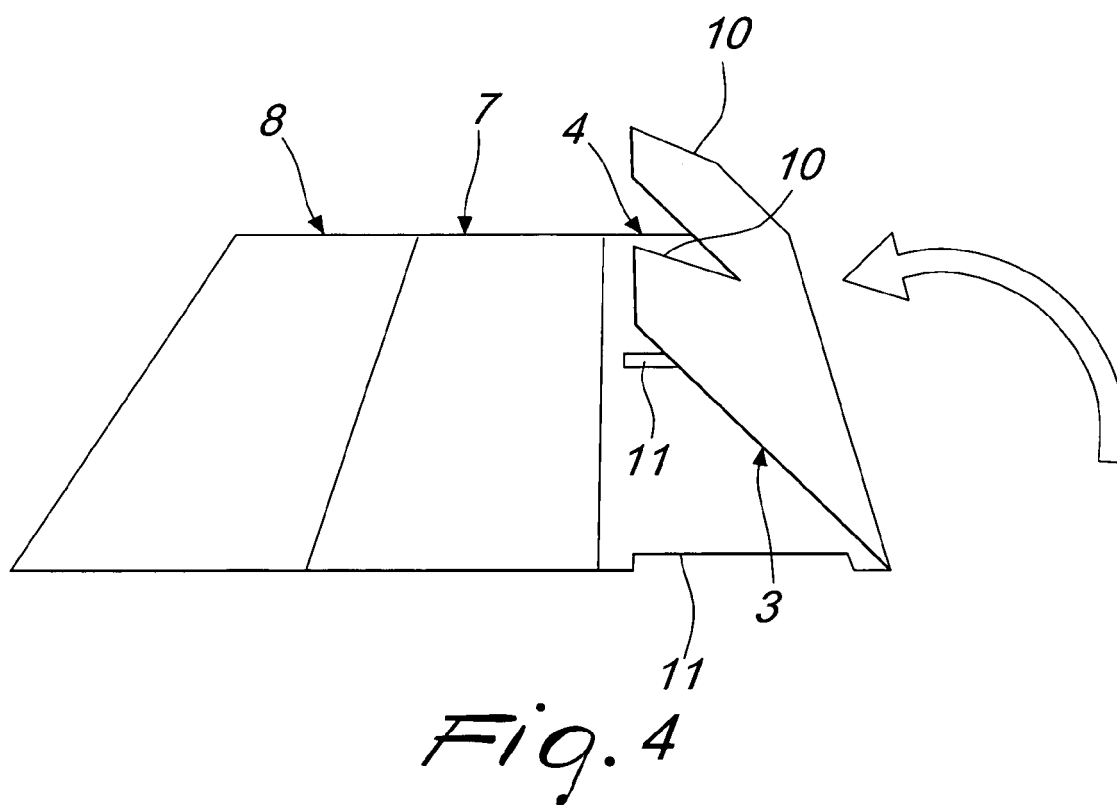
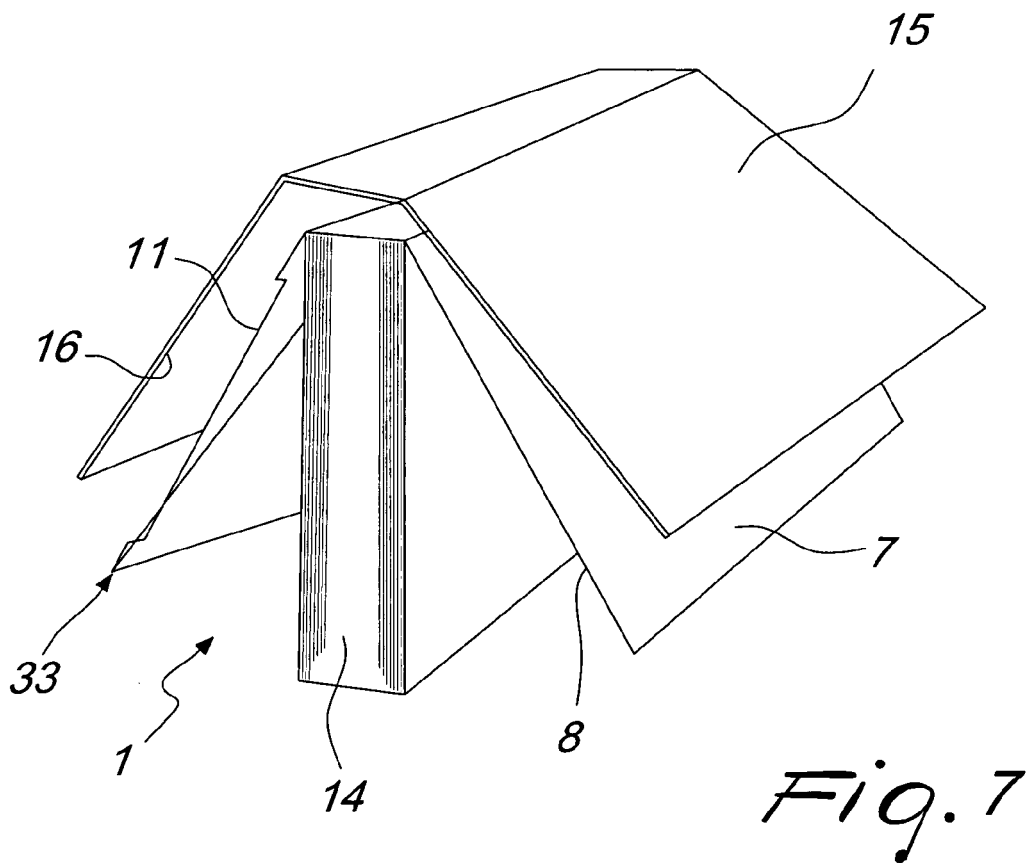
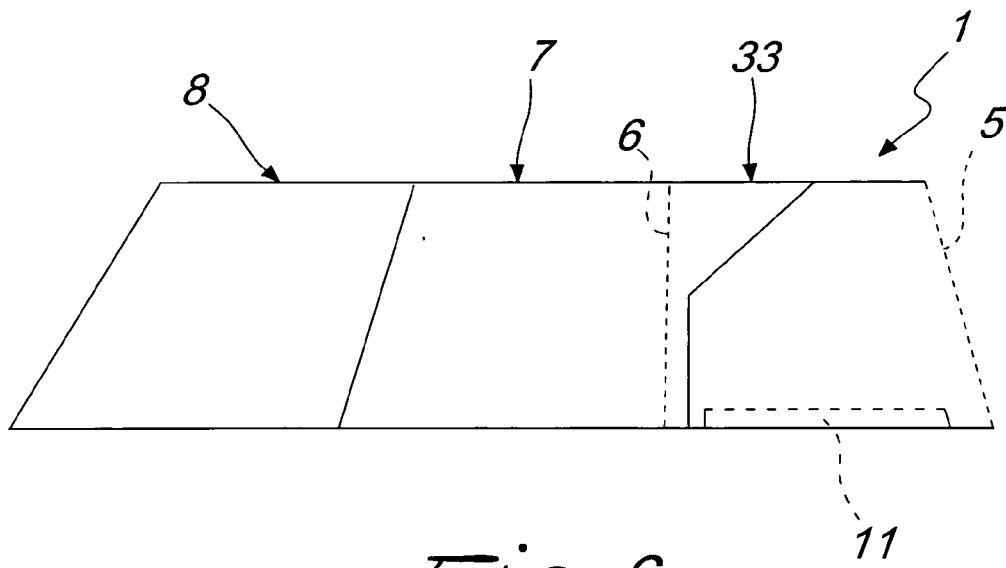


Fig. 3





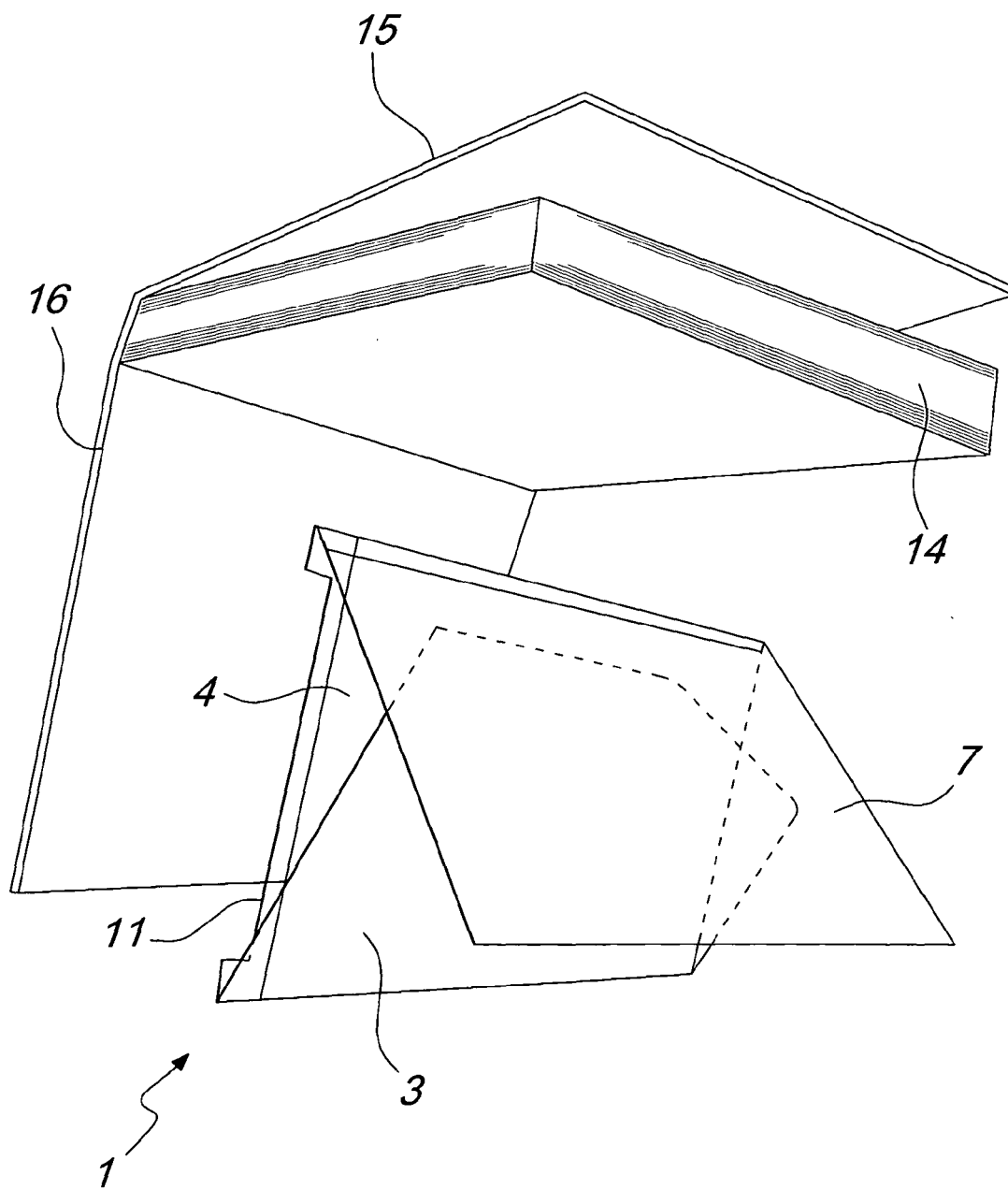


Fig. 8

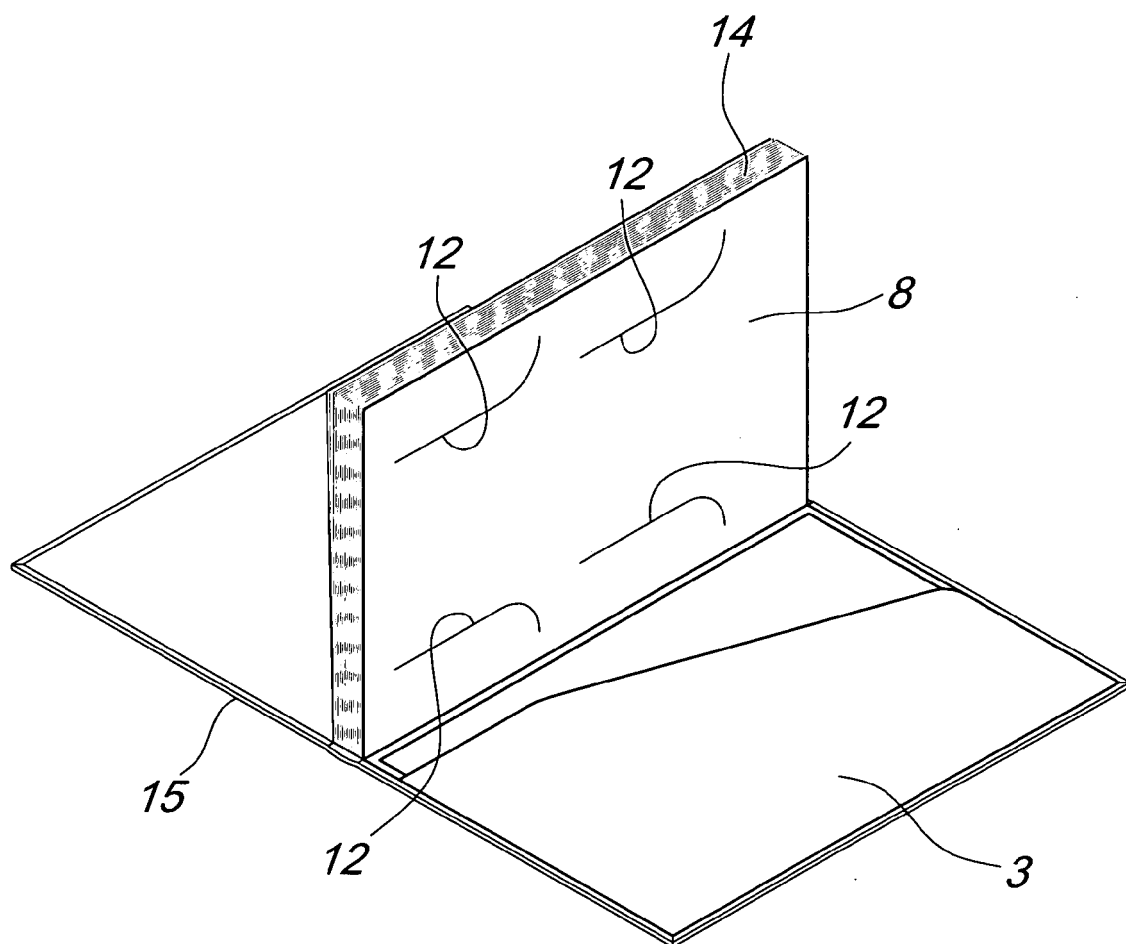


Fig. 9

REFERENCES CITED IN THE DESCRIPTION

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Patent documents cited in the description

- IT M12009001015 A [0023]