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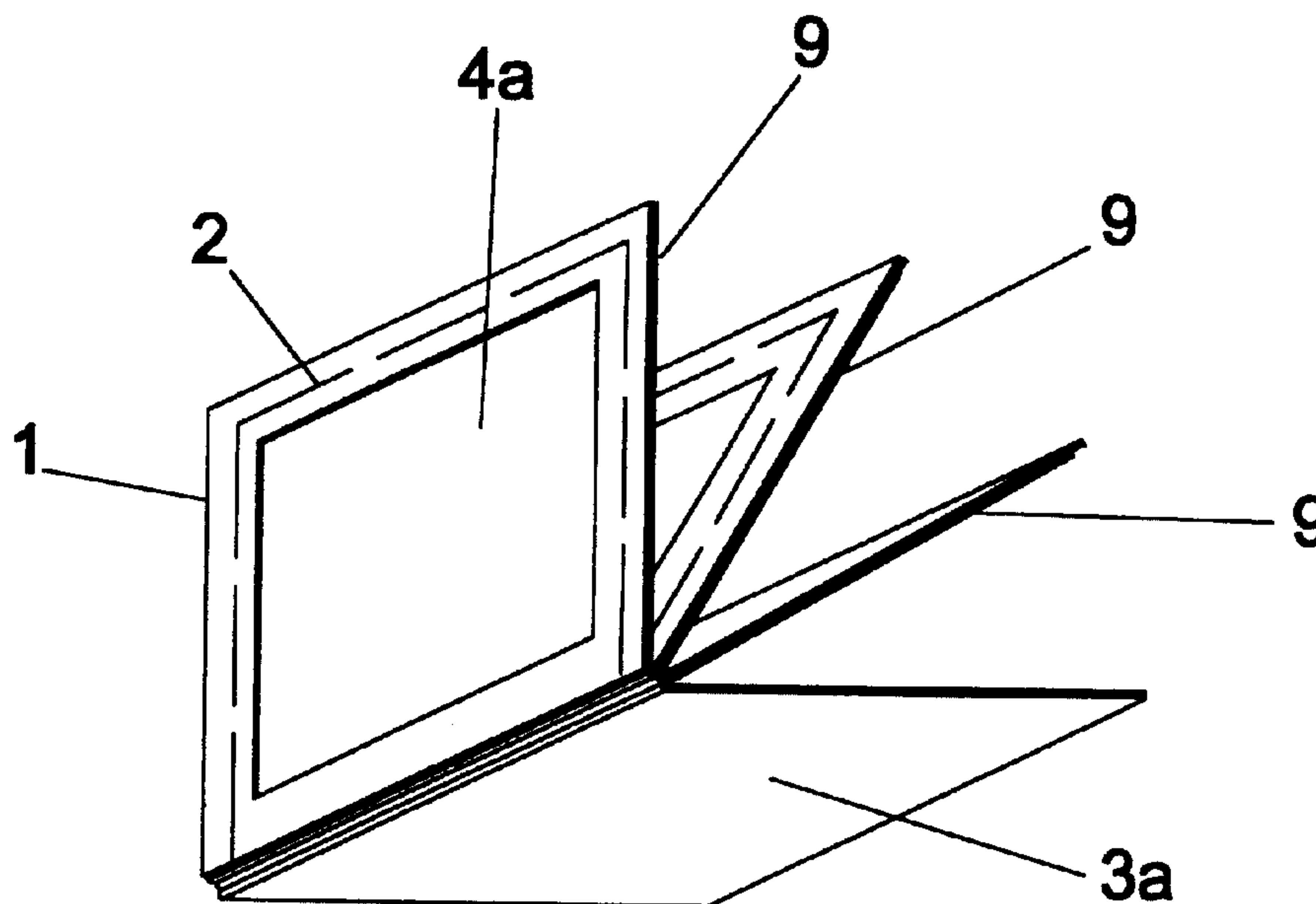
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(54) **VOLUME DE PLUSIEURS PAGES SANS RELIURE CONSTITUE
EN JOIGNANT LES VERSOS DE CHAQUE PAIRE DE
FEUILLES DE QUATRE PAGES**

(54) **A VOLUME WITH SEVERAL PAGES WITHOUT A BINDING
MADE UP BY JOINING UP THE BACK FACES OF EACH PAIR
OF FOUR PAGE SHEETS**



(57) Volume comprising several pages without any binding, made up by joining together the back faces of each pair of four-page sheets which does not split even if it undergoes strong stresses as hanging an entire volume obtained by acting on contiguous pages and not on the back (spines) of the different sheets, according to which, the volume is formed by sticking together the external contiguous faces of each pair of four page-sheets in a number of sheets necessary to form the volume, album and the like having the preset number of pages.

Abstract

Volume comprising several pages without any binding, made up by joining together the back faces of each pair of four-page sheets which does not split even if it undergoes strong stresses as hanging an entire
5 volume obtained by acting on contiguous pages and not on the back (spines) of the different sheets, according to which, the volume is formed by sticking together the external contiguous faces of each pair of four
10 page-sheets in a number of sheets necessary to form the volume, album and the like having the preset number of pages.

A volume with several pages without a binding made up by joining up the back faces of each pair of four page sheet

The subject matter of the invention is a volume comprising several pages without any binding, made up by joining together the back faces of each pair of four-page sheets.

5 In the binding field, not much has been done to try to make spines which would not split when they undergo ordinary use.

10 The splitting of the spine is very common in volumes that contain pages quite thick as to say albums for photos, postcards, stamps and so on, due to the fact that in this case the sheets and the volume are heavier than in normal volumes.

15 Up to now, none of the different types of binding used has completely solved this problem, although spines were made up making use of thick textile strips glued to the spines with a quick setting adhesive.

20 The scope of the invention is to provide an absolutely resistant binding, which will not split even if it undergoes strong stresses as hanging an entire volume holding one page only between two fingers.

This kind of binding is obtained by acting on contiguous pages and not on the back (spines) of sheets.

25 According to the invention, the volume is formed by sticking together the external contiguous faces of each pair of four page sheets, so joining to together all the sheets forming a volume, album and the like,

having a preset number of pages. In a particular embodiment, but not exclusively therein, a volume constituted according to the invention is made and structured in order to set up an album for photos and it is in this particular version that it will be now

5 described and illustrated in the annexed drawings. As can be seen, each page face of the album containing a photo has a peripheral frame having the same dimensions and sizes of the page, which frame runs

10 along the edge of the free sides thereof and is stuck to three of these sides. A similar frame, but having narrower sides is inserted between each edge of the sheet and the

corresponding side of the larger side frame.

15 The frame, having a narrower sides, acts as a spacer forming a gap or space between the main frame and the page receiving the photo and permits an easy sliding in of the photo therein; obviously, the photo slides in correspondence of the side of the frame which is

20 not glued to the sheet.

It must be remembered that here the photo can be inserted from any side even from the spine side which is not possible in conventional albums.

The scope of the invention will be now described in

25 detail with reference to the annexed drawings, wherein:

Fig. 1 is a perspective view of a four page-sheet and the outer and inner frames which will be glued thereto:

30 Fig. 2 is a perspective view in a larger scale of a

group of three four- page sheets that shows how the sheets are joined together by through gluing;

Fig. 3 is a similar view that shows the two sheets of fig.2 glued together;

5 Fig. 4 is the section (IV-IV-fig. 2) of a sheet seen from the opening edge; it also shows the superimposition of the frame having wider sides over the narrower sides frame and how they are glued thereto.

10 With reference to figs. 1 and 2 the sticking of the two frames (fig.2) is shown. They are indicated by references 1 and 2 and it also shows the joining of a group of three sheets (fig.2) by sticking their external pages by a layer of glue indicated by
15 reference number 12. The sheets are indicated by references I, II, III, and the external pages, which must be glued together, by reference 3a.

As can clearly be seen, frames 1 and 2 are firstly glued together using a strong adhesive for gluing
20 paper and cardboard and it is indicated by reference 5, then they are glued to the external face 4a of page I, which is made up by two sheets glued together and already provided with the pair of frames as shown in fig.3 by reference 9.

25 On the other hand the edges of each pair of glued sheets, not yet provided with frames 1 and 2, are indicated by reference 8.

From fig. 1, showing how the adhesive layer 6 is placed in a U shape, between the pair of frames 1 and
30 2 and external face 4a, it is now clear how in the

upper edge 7 of the page an opening 10 is formed where the frames 1 and 2 are not glued and through which opening it is possible to slide in a picture; the opening 10 and the way it is formed can be seen in detail in fig.4.

In the album just described, the opening 10 of every sheet is placed on the upper edge 7 (fig. 1). Obviously, it is possible to change the position of the opening edge simply by changing the position of not glued sides of frames 1 and 2.

Summarizing, every volume or album made up according to the invention, is formed by several pages and every page is made up by two sheets belonging to two contiguous four- page sheets, glued together;

In this embodiment intended to form an album for photos in which on the two faces of each page, having usually a square form, there is a double frame made up by two superimposed frames, glued together but having sides of different width (larger for the external and narrower for the internal frame). In doing so, on the fourth side not glued an opening will be formed which permits the sliding of the photo onto the page.

The inside frame placed between the external frame and the page makes a thin gap in which the photo will be received.

It will be now clear that this type of union between all the sheets that makeup the album provides a very strong structure in which the union of many pages is not made on the spine of the album.

Obviously, the album will be supplied with a cover,

for instance of leather joined to the spine of the sheets in a traditional way.

Claims

1. Volume consisting of several pages, having no binding on the back thereof, made up by joining the pages of each pair of contiguous four-page sheets which volume does not split even if subjected to severe stresses, as for instance, by hanging the volume while holding one page only between two fingers, the binding is not made on the volume back but by sticking together the external faces of each pair of four-page sheets which sheets are in a sufficient number to constitute a volume, as an album, having a preset number of pages.

2. Volume without binding according to claim 1, specially intended to be formed as an album for photos.

3. Volume without binding according to claim 2, wherein each page intended to receive a photo has a peripheral frame having the same dimensions and size of said page which frame runs long the edge of the sides thereof and a similar but narrower side frame, the sides of which are inserted between each edge of the page and the corresponding side of the larger side frame, said pair of frames being sticked to said page only in correspondence of three sides thereof.

4. Volume without binding according to claim 3, wherein said internal frame, having narrower sides, acts as a spacer and is intended to form a gap between said external frame having wider sides and the page receiving the photo thus allowing an easy insertion thereof which insertion takes place at the not sticked

side of said superposed pair of frames.

5. Volume without binding according to claim 3, wherein the insertion of the photo can be effected at the spin side of the volume.

5 6. Volume without binding according to claim 1 to 4, wherein each volume consists of more pages, each page comprising two sheets glued together belonging to two contiguous four-page sheets.

10 7. Volume without binding according to claim 1 to 5, provided with a suitable cover joined, as usual, to the volume back.

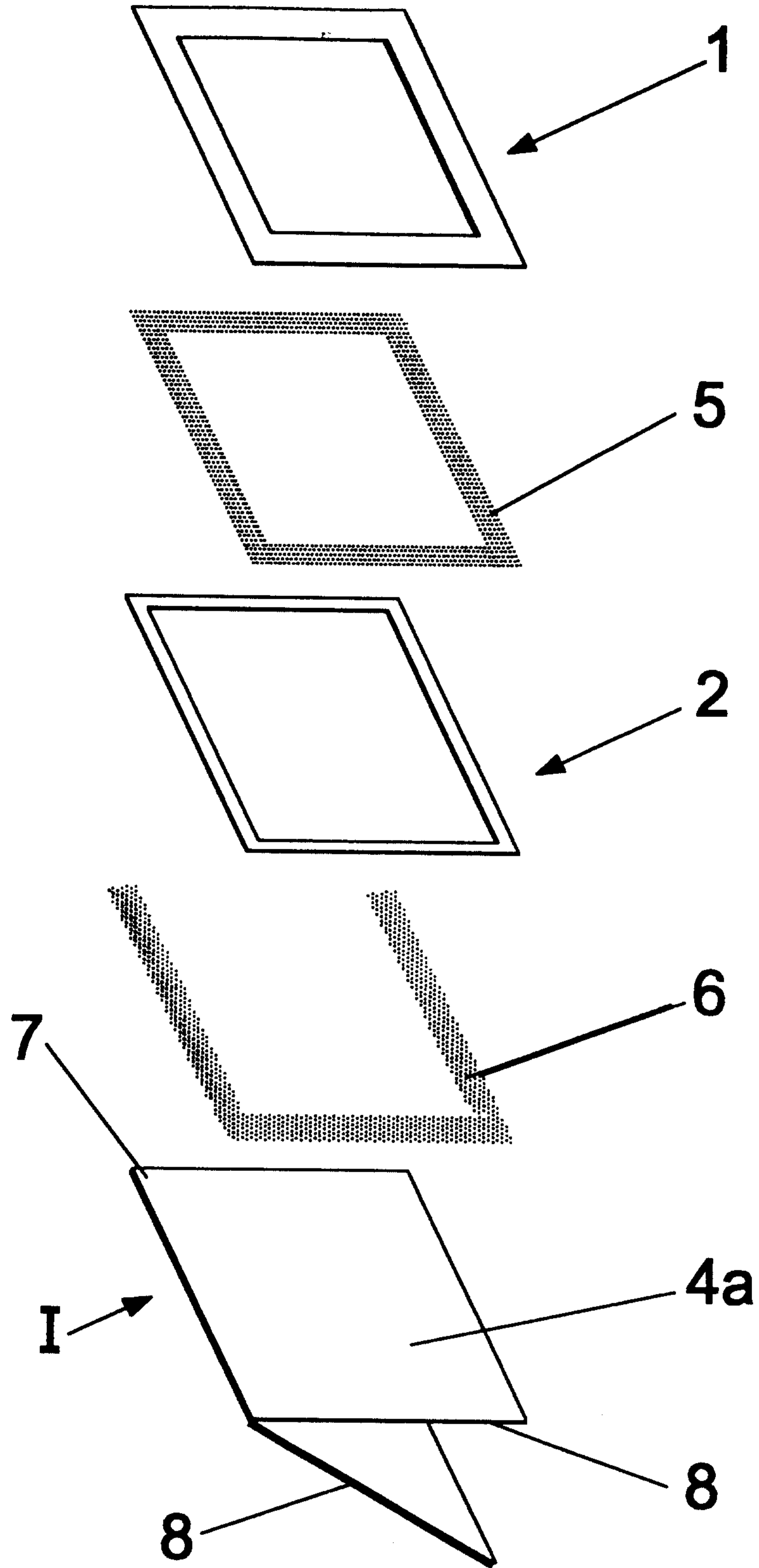


FIG 1

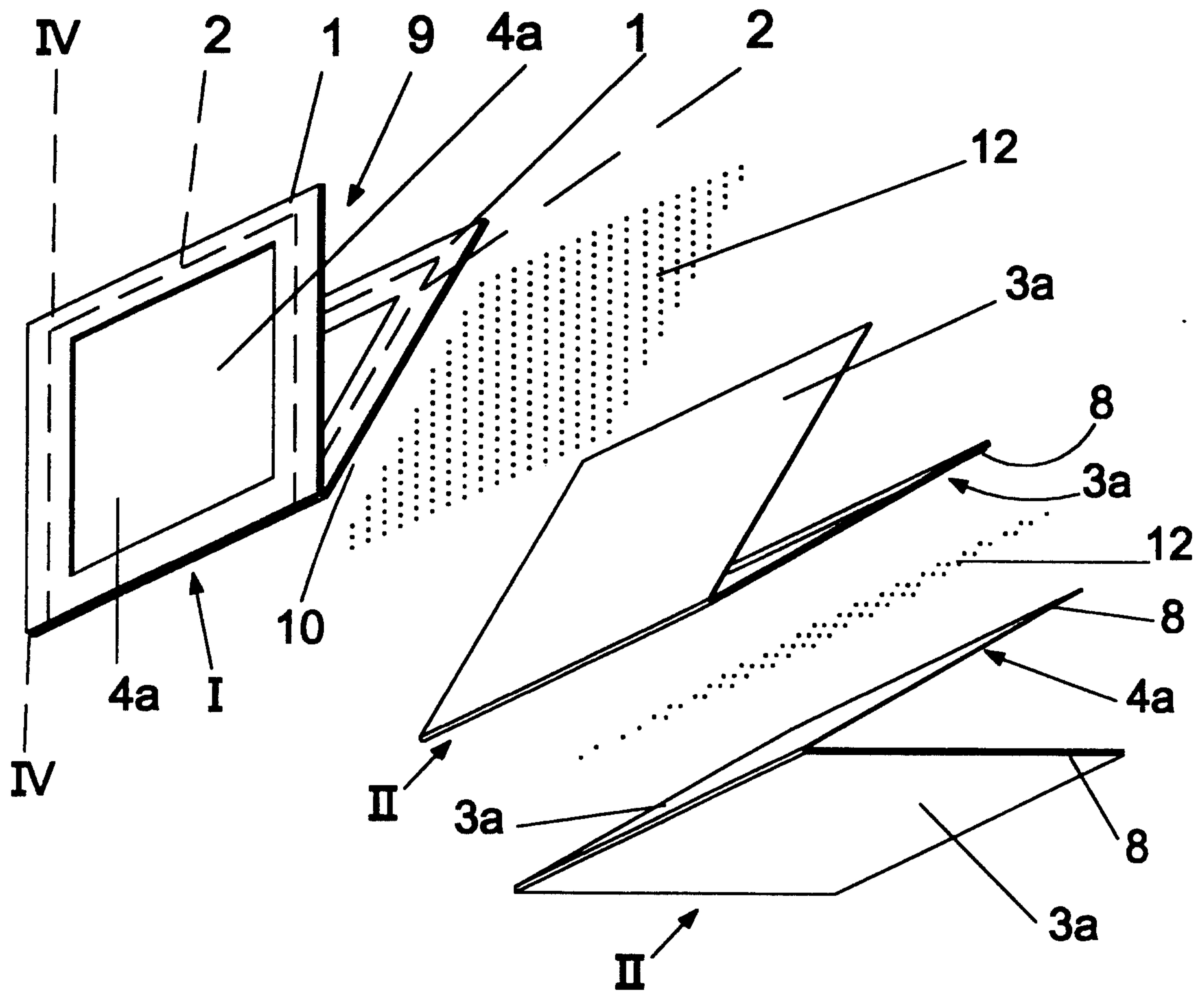


FIG 2

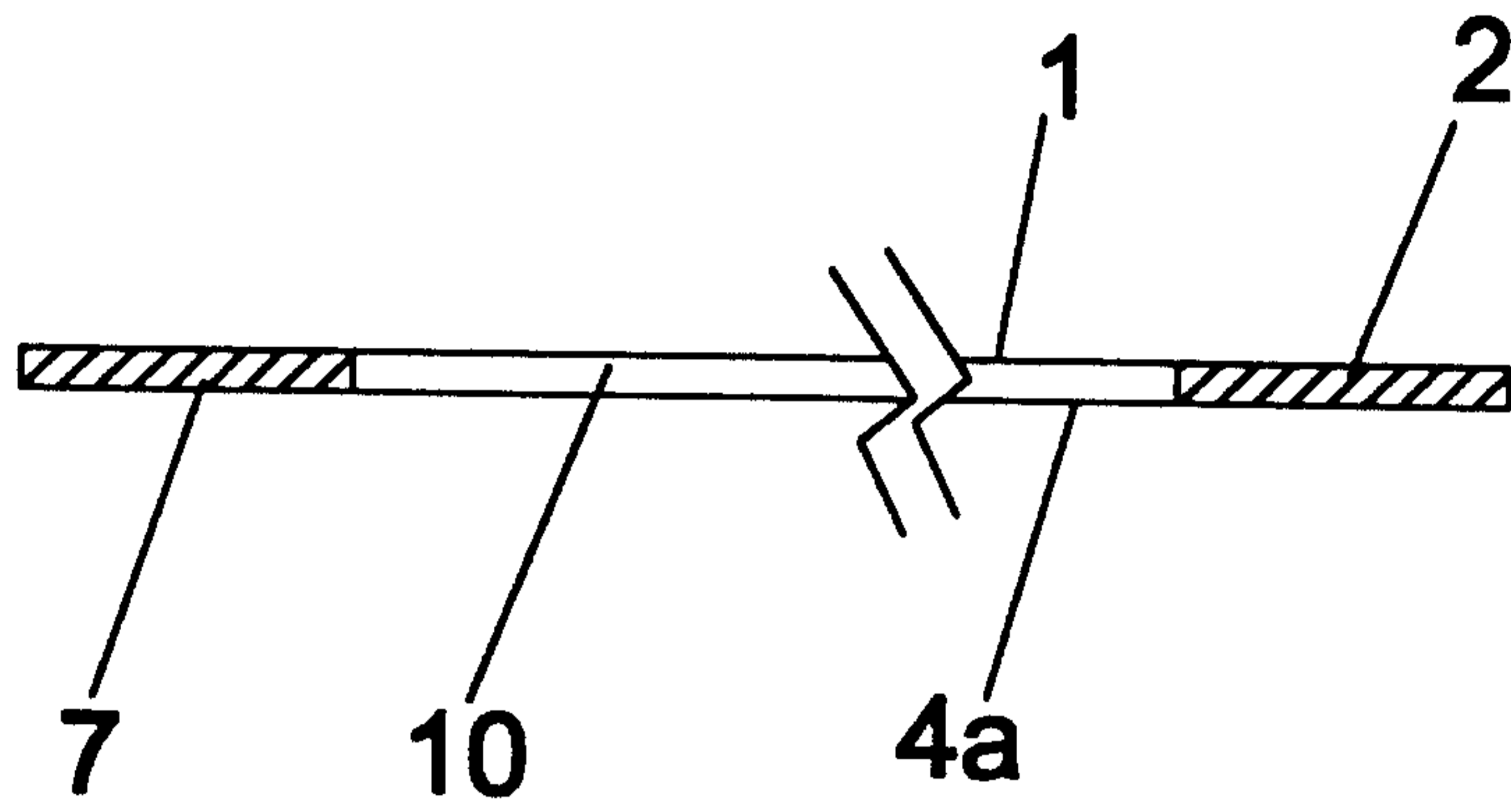


FIG 4

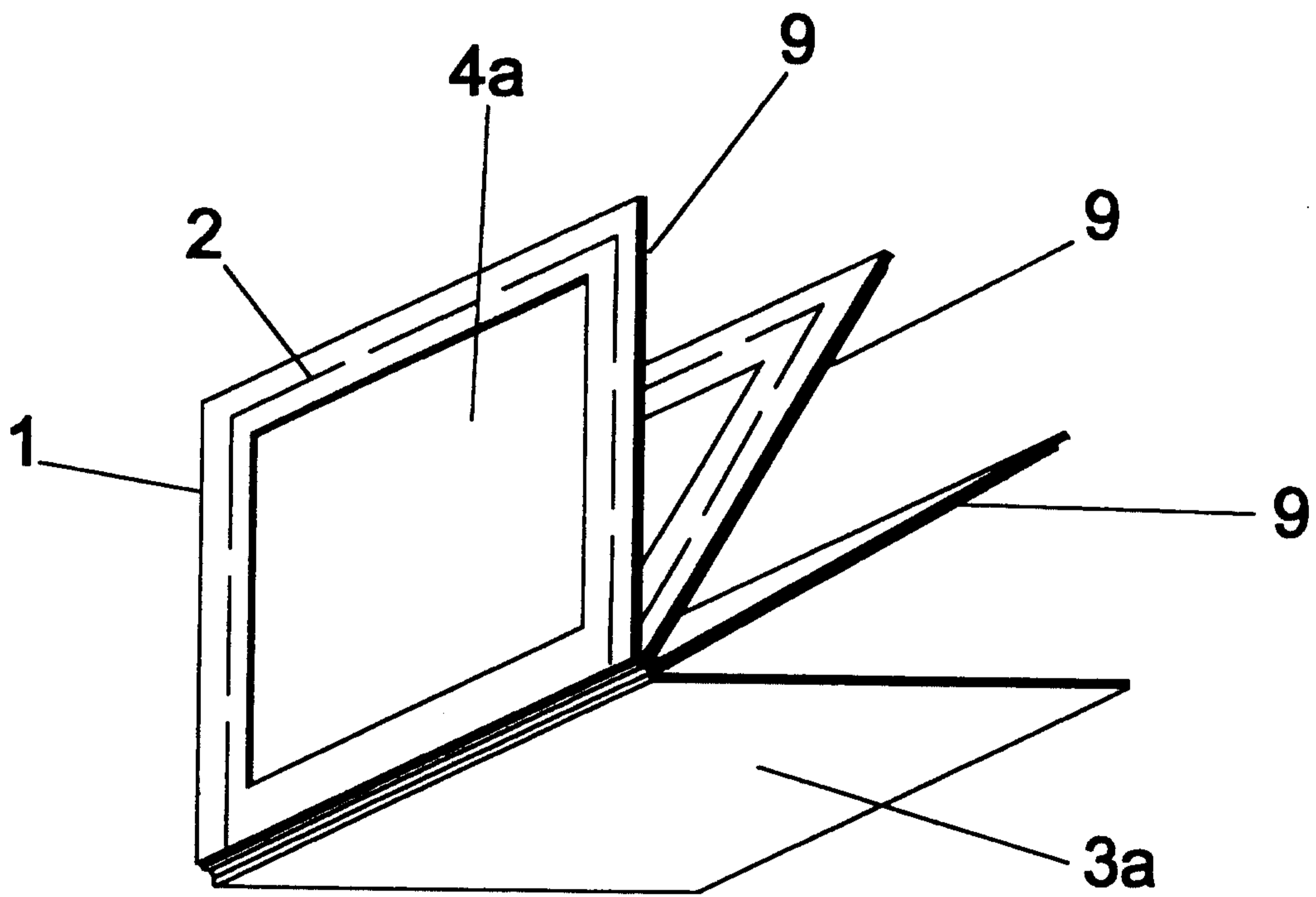


FIG 3

