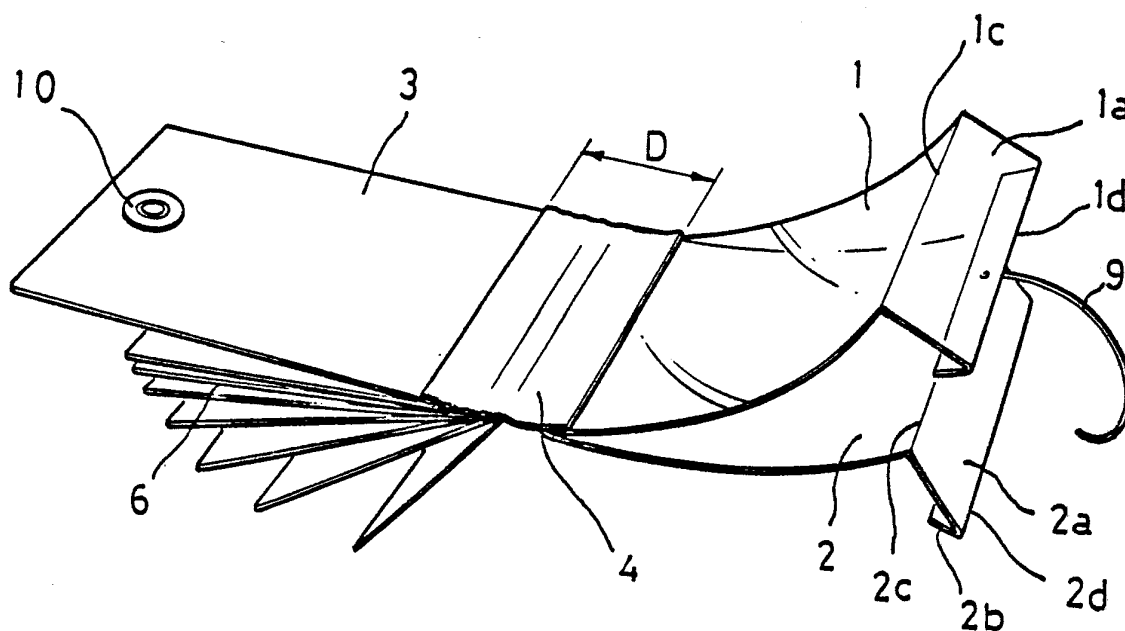




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(54) Title: FILING APPARATUS FOR HOLDING CARDS, PHOTOGRAPHS, PRINTS, ETC.

**(57) Abstract**

An album comprising a front cover (1), a back cover (3) and an adhesive tape (4) which is used as a mounting sheet, one ends of the front cover (1) and the back cover (3) being attached to the both ends of the tape (4), the contents (6) being bonded to the tape (4) along one edge overlapping one another, the tape (4) having a protective cover (5) thereover and the protective cover (5) having a plurality of parallel cutting lines (5a) on inner surface thereof, a string (9) and a button (10) being provided for the connection of the covers (1, 3), the front or inside cover (1, 2) having a hole (2e) in any shape at any suitable place for identification of the contents (6).

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FILING APPARATUS FOR HOLDING CARDS,
PHOTOGRAPHS, PRINTS, ETC.

TECHNICAL FIELD

This invention relates to files for holding the contents such as cards, photographs or prints of same size and same shape, and particularly concerns improvements in the design of the mounting method thereof.

BACKGROUND ART

There are some kinds of prior known albums for holding photographs, prints, etc.

According to the holding method, albums are classified into Self Adhesive Style, Slip-in Style, Flip-up Style, Pocket Style or Sticker Style. However, all these prior known albums comprise many mounting sheets or vinyl pockets holding photographs or the like therein.

Accordingly, such albums are thick, heavy and have some difficulties of keeping and carrying. In addition, the cost is high.

The most lately developed style, Flip-up or Pocket Style Album, is relatively light, thin and cheap so that the demand thereof is on increase now. However, this album is also many mounting sheets therein and thus, is heavy as prior other albums.

Such disadvantages of the prior known albums are overcome by the present invention.

DISCLOSURE OF THE INVENTION

This invention provides an album with a unique mounting method of holding photographs or the like. Preferably, it is so handy, cheap and easy to use and hold that all of the above mentioned disadvantages of the previously known albums are overcome.

The album according to this invention comprises a transparent front cover, an inside cover, a back cover and an adhesive tape made of a flexible material. Since the contents are mounted onto the adhesive tape one over another, the contents are easily turned over without being dog-

- 2 -

eared and compact in spite of a mounting capacity of a lot of contents of the present album compared with the previously known albums. "Contents" as the term is used herein means post cards, name cards, photographs, advertising
5 prints or the like of the same size. In addition, the various excellent known adhesives serve to prevent the contents from scattering and being lost.

In brief, this invention has the advantage of mounting and holding the contents on the adhesive tape instead of
10 mounting sheets generally used therein.

BRIEF DESCRIPTION OF THE DRAWINGS

A better understanding of the present invention will be had upon reference to the following detailed description of a preferred embodiment thereof in connection with
15 the accompanying drawings in which like numerals designate like elements, and in which:

FIG. 1 is a perspective view of the album to which this invention is applied;

FIG. 2 is a view illustrating the inside of this al-
20 bum according to this invention;

FIG. 3-A shows the contents such as photographs or the like of same size;

FIG. 3-B illustrates the neatly arranged contents in order for being mounted on a sheet;

25 FIG. 3-C is a side view of the contents of FIG. 3-B;

FIG. 4 shows a first modification of this invention in which a reversible adhesive tape is used instead of the self-adhesive tape;

FIG. 5 shows a second modification of this invention
30 wherein the front cover is bonded to the inside cover by heat treatment;

FIG. 6 is a side view of the contents being mounted on a sheet one after another;

FIG. 7 is an enlarged view of the inside of the circle
35 in FIG. 6;

FIG. 8 shows how the contents are turned over;

FIG. 9 is a third modification of this invention where-

- 3 -

in the protruding part is inserted into the slot when keeping the album;

FIG. 10-A is a fourth modification of the present invention in which folding line is removed and a separate
5 means is provided for connection of the front cover and the back cover;

FIG. 10-B is a fifth modification of this invention wherein the back cover is removed and thus the adhesive tape is used as a back cover and a mounting sheet; and

10 FIG. 10-C is a sixth modification of this invention wherein the separately adhesive tape is provided between the front cover and the back cover.

BEST MODE FOR CARRYING OUT THE INVENTION

The type of an album to which this invention is primarily but not exclusively applicable is shown in FIG. 1
15 and 2, and comprises a front cover 1 of any transparent material, an inside cover 2, a back cover 3, and an adhesive tape 4 of a suitable length D.

The album may be constructed of two covers and one
20 adhesive tape as shown in FIG. 5 and 10-A. The album may further be made of one cover and one adhesive tape as seen in FIG. 10-B.

Referring now in detail to the FIGS. 1 and 2, the inside and back covers are made of any suitable material such
25 as paper, synthetic leather that appears to be high-grade. Side parts of the covers 1a and 2a are folded inward from the front cover 1 and the inside cover 2 along folding lines 1c and 2c respectively. The side parts of covers 1a and 2a serve to protect side edges of contents 6 that may be
30 exposed, from fading away or being crumpled. A string 9 stretched out from a part 1b will be fastened to a round-shaped button 10 on the back cover 3 for tying up the album, the string having a suitable length. The adhesive
35 tape 4 is positioned between the inside cover 2 and the back cover 3, the tape being made of any flexible material, thereby the contents 6 are turned over without being dog-eared as seen from FIG. 8. A protective cover 5, which

- 4 -

has a plurality of parallel cutting lines 5a, will be removed in turn as the contents adhere thereto. Unused parts of the tape 4, still covered by the cover 5, does not weaken as the protective cover prevents any particles 5 of dust from sticking thereonto. A hole 2e of any shape is formed at any suitable place on the inside cover 2 through which the contents can be identified. The inner end of the front cover adheres to one end of the tape 4 and the inner end of the inside cover 2 is attached to the 10 inner end of the front cover by previously known conventional way such as glue. The back cover has an adhesive tape 7 together with a protective cover 7a and a pocket 8 on the inner surface thereof for keeping films or any matters related with the contents. For instance, one edge 15 of a film cover is attached onto the adhesive tape 7 after removal of the protective cover 7a.

In FIGS. 3A and 3C, the contents are of preferably same size and one end 6a thereof are attached to the tape 4 overlapping one another. In detail, the contents are 20 secutively overlapped to the left side and thus forms the shape of a series of steps having a run d. In addition, the contents are not easily scattered and lost except by artificial power due to the various excellent known adhesives. While, the removal, change and insertion of the contents 25 are easily made due to a simple construction.

In FIG. 4, a first modified form of this invention is found. This structure corresponds identically to that illustrated in FIG. 1 and 2 except that a flexible but non-adhesive tape 4a together with a reversible adhesive tape 30 4b is used instead of the self-adhesive tape 4.

In Fig. 5, another modification of the present invention is illustrated. In this modification, the strusture is essentially identical to that shown in FIGS. 1 and 2 except that the front cover 1 is bonded by heat treatment to 35 the corresponding inside cover 2. The out surface of the inside cover has color that will not be changed for a long

- 5 -

time due to the bonding described above.

Referring now to FIG. 6 and 7, there are provided small spaces A between the contents 6 to facilitate in turning over the contents easily. Further, the FIGS. 6 and 7 shows how the contents are mounted on the holding part. That is, the removable protective cover 5 is removed along cutting lines 5a in turn, as the contents are mounted thereon one after another. Alternatively, there may be no cutting lines in the tape, in which case, the contents are overlapped to be in the shape of lozenge as shown in FIG. 3-C having each space therebetween. Thereafter, the lozenge-shaped contents are mounted onto the adhesive tape 4. In either case, the contents are safely kept in place since the attached parts 6a are firmly attached onto the tape.

15 In FIG. 9, still another modified form of the present invention. This structure corresponds identically to that shown in FIGS. 1 and 2 except that a protruding part 9b, of the end of part 1b, is inserted into the slot 9a formed in the back cover 3 instead of using the string and the button for tying up the album.

20 In FIG. 10-A, still a further modification of the present invention is found. This structure corresponds identically to that seen from FIG. 5 except that the folding line 1c formed on the front cover 1 is removed and the front cover 1 connects to the back cover by a special means.

In FIG. 10-B, another modified form of the present invention is illustrated. This structure corresponds substantially identical to that illustrated in FIG. 5 except that a separate back cover 3 is not required and the front cover becomes shorter by the length of the part 1b.

In FIG. 10-C, a still another modification of the present invention is found. This structure corresponds essentially identical to that shown in FIG. 10-B except that a separate back cover is provided.

35 It will be obvious to those skilled in the art that

- 6 -

many variations may be made in the embodiments here chosen for the purpose of illustrating the present invention without departing from the scope thereof as defined by the appended claims.

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I claim:

1. A filing apparatus for holding name cards, photographs, printed matters, etc. comprising;

5 a front cover 1 of any transparent material, of which side parts 1a and 1b are folded inward along two folding lines 1c and 1d respectively;

an inside cover 2 of which the side parts 2a and 2b are folded inward along two folding lines 2c and 2d respectively, on which a hole 2e is formed at any place to
10 identify the contents without opening the covers;

a back cover 3;

a self adhesive tape 4 together with a removable protective cover 5 or a non-adhesive tape 4a with a reversible adhesive tape 4b, said tapes being made of flexible material; and
15

a self adhesive tape 7 together with a removable protective cover 7a and a pocket 8 in any shape, that is formed on inner surface of said inside cover 2 or back cover 3, said front cover 1 with said inside cover 2 being connected
20 to said tape 4 and said tape 4 being positioned between the cover 1, 2 and 3 by fastening inner ends of said front cover and said back cover to both ends of said tape 4 respectively.

2. A filing apparatus according to claim 1, wherein the contents are mounted on said tape 4 overlapping one
25 another.

3. A filing apparatus according to claim 1, wherein said folding lines 1c and 2c are removed.

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4. A filing apparatus according to claim 1, wherein said back cover 3 is removed.

5. A filing apparatus according to claim 1, wherein the back cover 3 is connected directly to the covers 1 and 5 2 without fastening to said tape 4.

6. A filing apparatus according to claim 1, wherein said front cover 1 is bonded to said inside cover 2 by heat treatment.

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Fig. 1

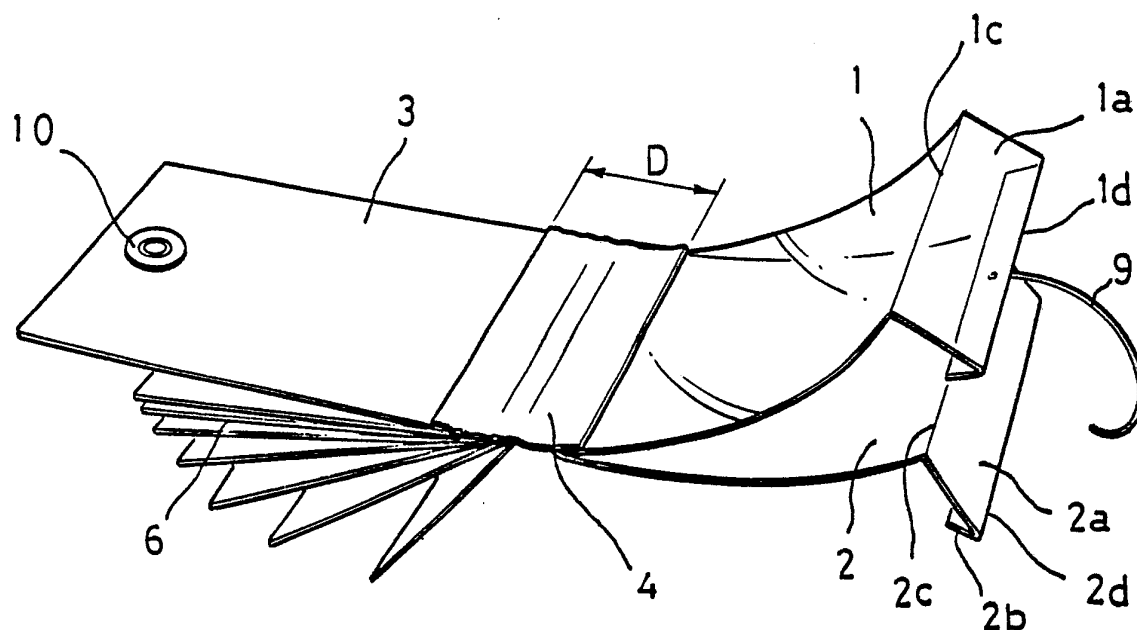
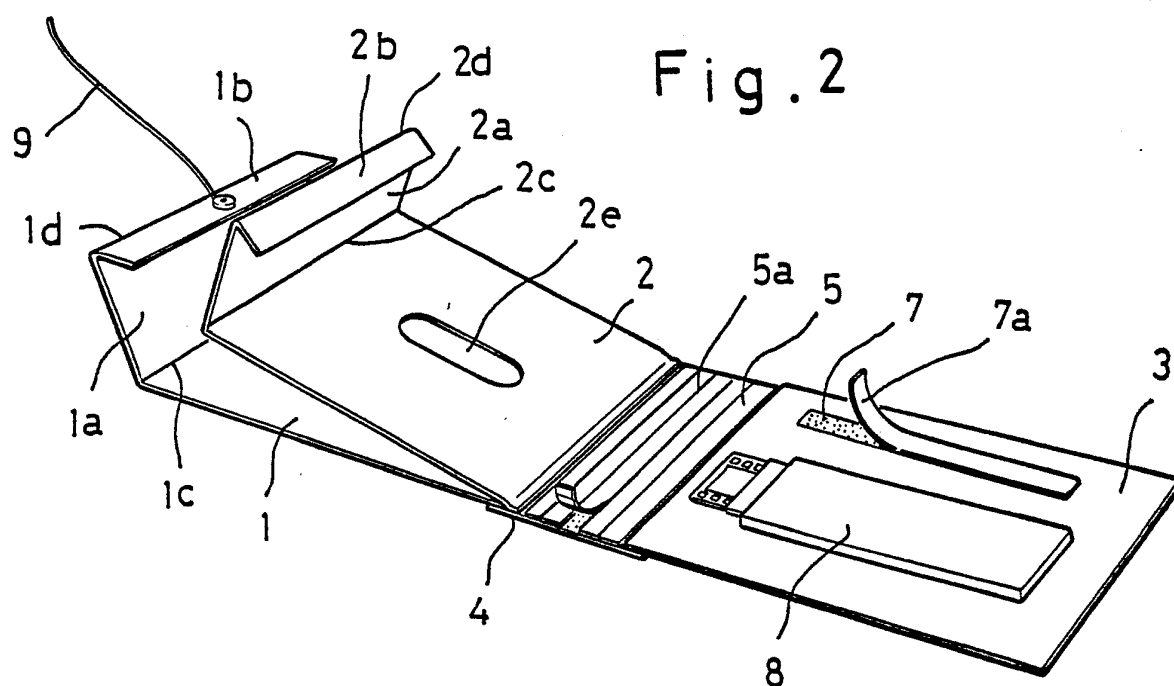


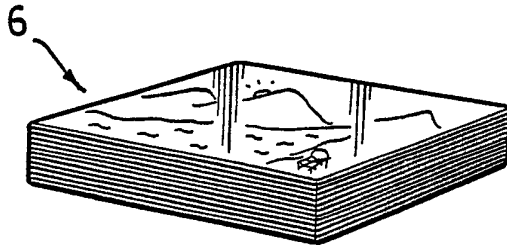
Fig. 2



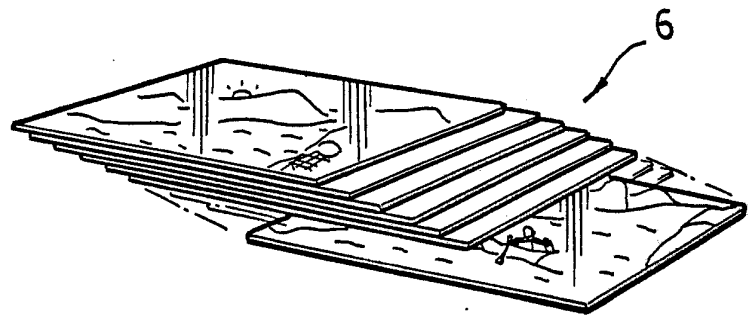
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Fig. 3

(A)



(B)



(C)

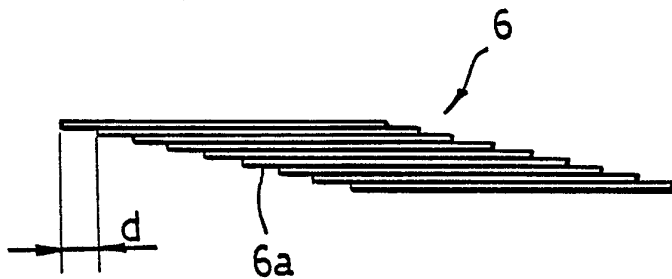
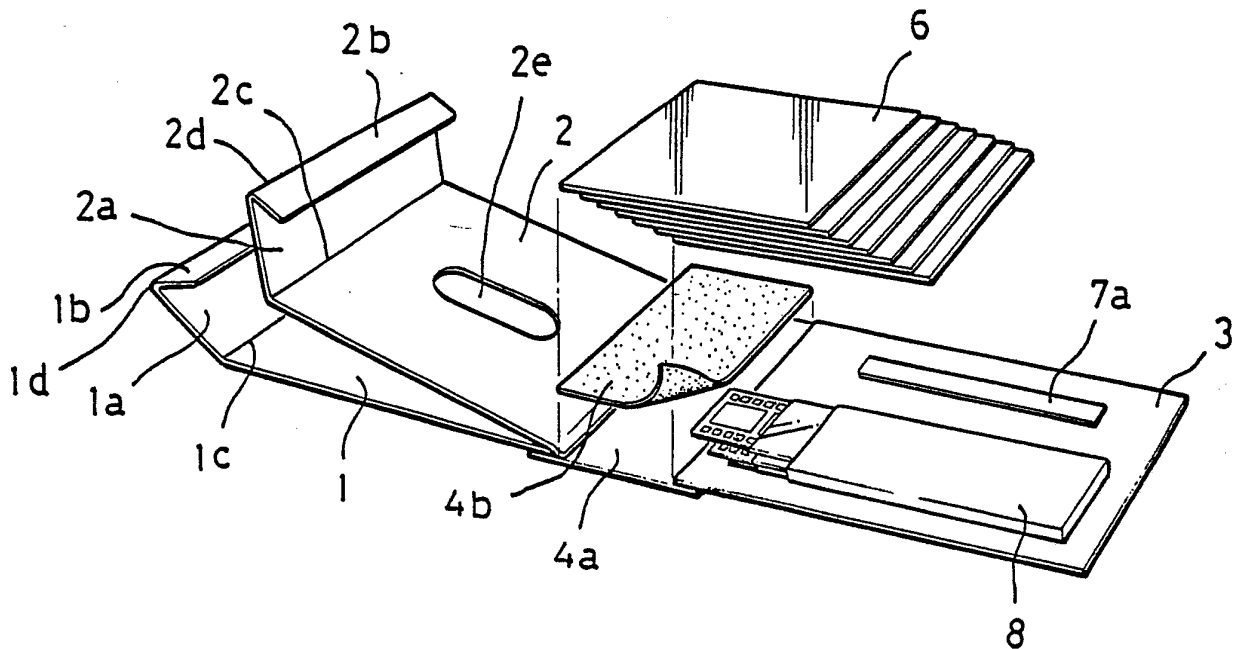


Fig. 4



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Fig. 5

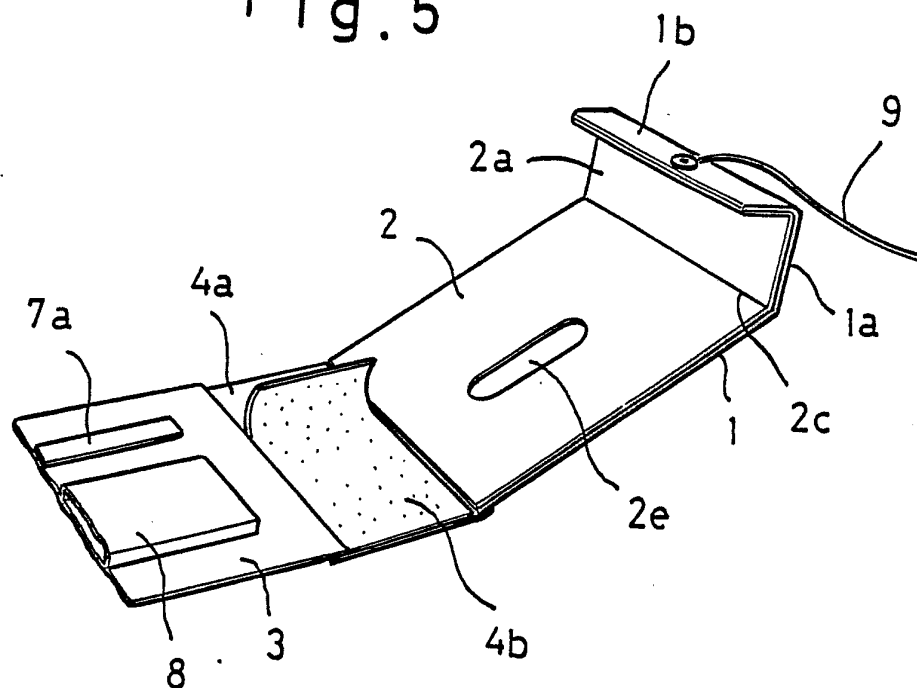


Fig. 6

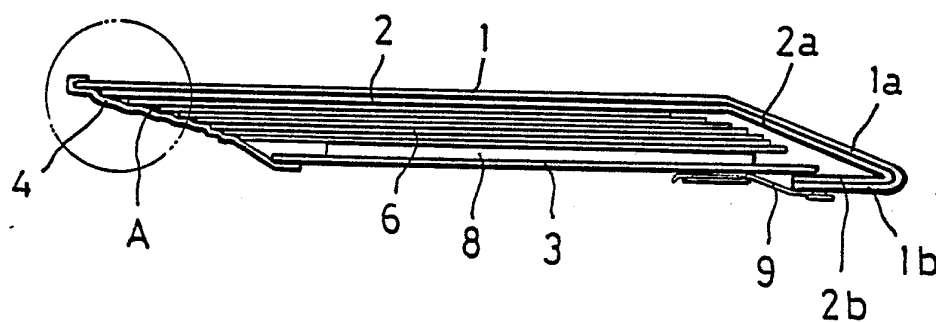
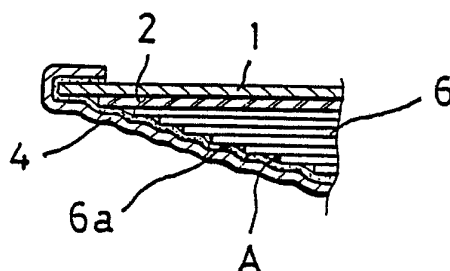


Fig. 7



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Fig. 8

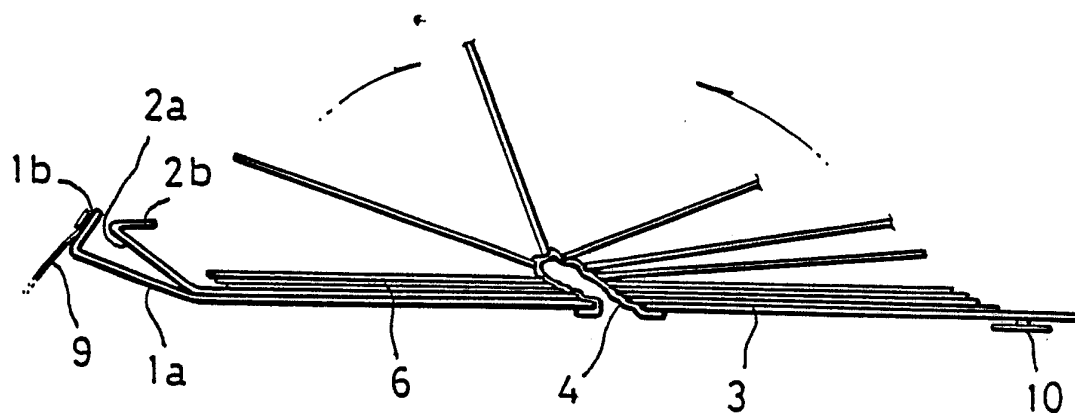
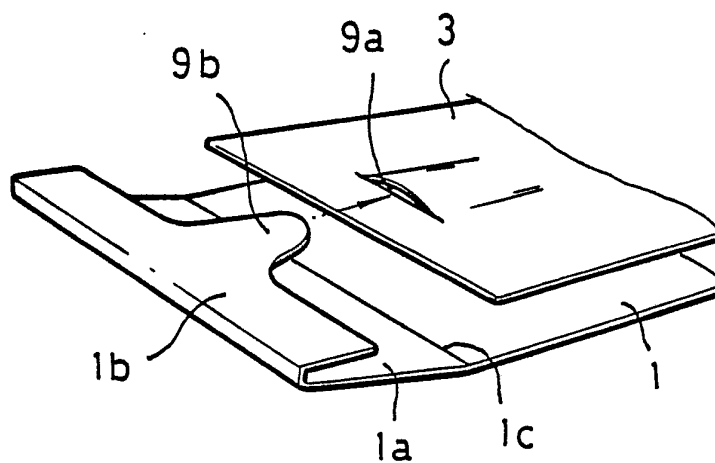
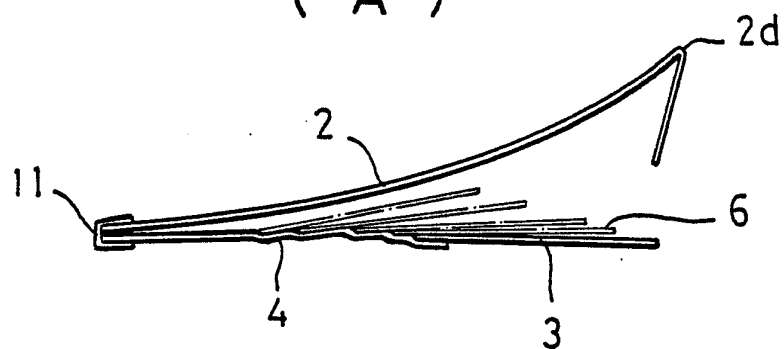


Fig. 9

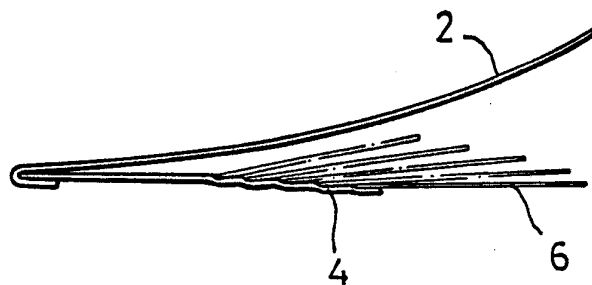


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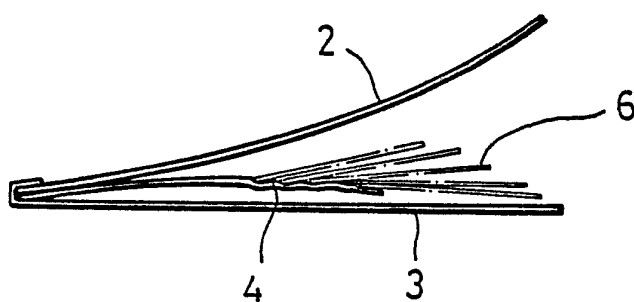
Fig. 10
(A)



(B)



(C)



INTERNATIONAL SEARCH REPORT

International Application No PCT/KR 87/00006

I. CLASSIFICATION OF SUBJECT MATTER (if several classification symbols apply, indicate all) *		
According to International Patent Classification (IPC) or to both National Classification and IPC		
IPC ⁴ : B 42 D 1/10		
II. FIELDS SEARCHED		
Minimum Documentation Searched ⁷		
Classification System	Classification Symbols	
Int.Cl. ⁴ :	B 42 D 1/10, B 42 D 1/08, B 42 D 3/06; B 42 C 9/00; B 42 F 5/00, B 42 F 11/00, B 42 F 7/00.	
Documentation Searched other than Minimum Documentation to the Extent that such Documents are Included in the Fields Searched *		
III. DOCUMENTS CONSIDERED TO BE RELEVANT *		
Category *	Citation of Document, ¹¹ with indication, where appropriate, of the relevant passages ¹²	Relevant to Claim No. ¹³
A	DE, C, 178 839 (COOKE), 03 December 1906 (03.12.06), see totality.	(1,2,3,5)
A	US, A, 3 620 891 (JONES), 16 November 1971 (16.11.71), see totality.	(1,2,3,5)
A	AT, B, 304 445 (ERTL, HEIMANN), 10 January 1973 (10.01.73), see totality.	(1,3)
A	US, A, 4 470 620 (GERCH), 11 September 1984 (11.09.84), see fig. 1.	(1)
A	US, A, 2 030 135 (CARPENTER), 11 February 1936 (11.02.36), see page 1, column 1, lines 1-33.	(1)
A	GB, A, 209 842 (SMITH), 21 January 1924 (21.01.24), see fig. 1,2(f).	(1)

* Special categories of cited documents: ¹⁰ "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 "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 such documents, such combination being obvious to a person skilled in the art. "A" document member of the same patent family		
IV. CERTIFICATION		
Date of the Actual Completion of the International Search	Date of Mailing of this International Search Report	
28 August 1987 (28.08.87)	07 September 1987 (07.09.87)	
International Searching Authority	Signature of Authorized Officer	
AUSTRIAN PATENT OFFICE		

Anhang zum internationalen Recherchenbericht über die internationale Patentanmeldung Nr.

In diesem Anhang sind die Mitglieder der Patentfamilien der im obengenannten internationalen Recherchenbericht angeführten Patentedokumente angegeben. Diese Angaben dienen nur zur Unterrichtung und erfolgen ohne Gewähr.

Annex to the International Search Report on International Patent Application No. PCT/KR 87/00006

This Annex lists the patent family members relating to the patent documents cited in the above-mentioned International search report. The Austrian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Annexe au rapport de recherche internationale relatif à la demande de brevet international n°.

La présente annexe indique les membres de la famille de brevets relatifs aux documents de brevets cités dans le rapport de recherche internationale visé ci-dessus. Les renseignements fournis sont donnés à titre indicatif et n'engagent pas la responsabilité de l'Office autrichien des brevets.

Im Recherchenbericht angeführtes Patent- dokument Patent document cited in search report Document de brevet cité dans le rapport de recherche	Datum der Veröffentlichung Publication date Date de publication	Mitglied(er) der Patentfamilie Patent family member(s) Membre(s) de la famille de brevets	Datum der Veröffentlichung Publication date Date de publication
DE-C- 178 839	03/12/1906	None	
US-A-3 620 891	16/11/1971	US-A-3 769 130	30/10/1973
AT-B- 304 445	10/01/1973	None	
US-A-4 470 620	11/09/1984	None	
US-A-2 030 135	11/02/1936	None	
GB-A- 209 842	21/01/1924	None	