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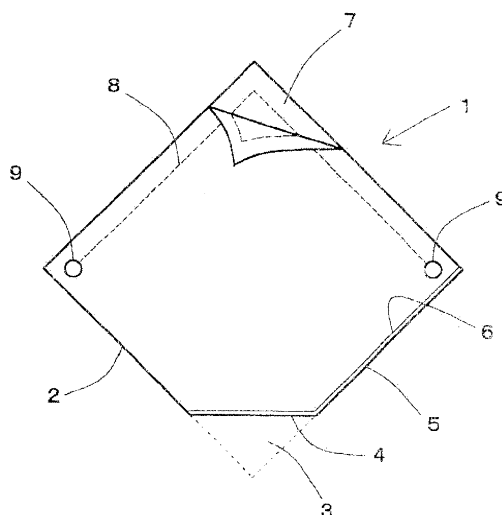
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(54) **PACKAGING BAG FOR FRESH FLOWER**

(57) A packaging bag for fresh flower capable of easily and inexpensively supplying a beautiful bouquet and also usable as a decoration by placing on a desk, wherein a sheet is folded into two parts overlappingly with each other, one corner thereof including a folded line is cut out to form a fourchette part, the fourchette part is joined with a side continued therewith to form a generally sector-shaped bag having an opening part

opened larger than the fourchette part, and perforations are provided along the edge part of the opening part, or two sheets are overlapped with each other, and the fourchette part is joined to both sides thereof holding the fourchette part to form the bag, and through holes are provided at the end parts of the perforations or reinforcement seals are stamped at the end parts of the perforations.

Fig 1



EP 1 535 852 A1

Description

BACKGROUND OF THE INVENTION

Field of the Invention

[0001] The present invention relates to a packaging bag that, easily enables to make a bouquet of fresh flowers, in which it is not only available for a flower bouquet but also for carrying the packaging bag with flowers suspended by the handles and for placing the packaging bag with flowers on a table as interior decoration of flower arrangement.

Background Art

[0002] In the past, flowers or a bouquet binding fresh flowers have been prepared by binding and tying the cut-end parts of many fresh flowers with rubber band and the like temporarily, by packaging the cut-end part with a water absorbing material which is soaked into a towel, a gauze and the like with water, by covering the outside with aluminum foil and the like, furthermore, by packaging the whole outside with transparent film or packaging paper, and by binding and tying the periphery of bound roots with string materials such as ribbon and the like. Therefore, an immense amount of efforts and time to prepare a bouquet has been involved.

[0003] On the other hand, although the decoration of flower arrangement with a small basket prepared by knitting a rattan basket, and the like, and fresh flowers are arranged therein has been widely used, this also has been costly to prepare a small basket and the like.

[0004] Reflecting such a situation, the objective of the present invention is to offer a packaging bag for fresh flowers and the like that is available for a bouquet placed on a table as decoration as well as capable of offering a beautiful bouquet in easy and inexpensive ways.

Disclosure of the Invention

[0005] To solve the above-mentioned problems, the present invention employs steps in which a sheet is folded into two to make double sheets, one corner thereof including folding lines is removed, thereby preparing a gusset part, the said gusset part and successive sides thereof are joined, and together with a substantially fan-shaped bag with an opening part more widely opened than the gusset part formed, and at the same time, perforations are provided along the periphery of the said opening part.

[0006] Or the present invention also employs other steps in which two sheets are overlapped to make double sheets, a gusset part and both sides thereof holding the gusset part are joined, and together with a substantially fan-shaped bag with an opening part more widely opened than the gusset part formed, perforations are provided along the periphery of the said opening part.

[0007] The packaging bag with such a formation makes it possible to easily prepare a bouquet only by putting in tied fresh flowers and the like, and binding the vicinity of the gusset part fast. Also, if the gusset part is used to make the bottom a flat plate, the self-standing flower arrangement can be prepared. Furthermore, since handling is formed by partly cutting off along the perforations in the periphery of the opening part, it is convenient for carrying flowers.

[0008] In this case, the step that pierced holes are provided in the end parts of the perforations of the step that reinforcing seals are applied was employed.

[0009] When handlings are formed by cutting off along the perforations, these pierced holes or reinforcing seals can prevent split at the end parts of the handling.

[0010] Furthermore, the step that the periphery in the opening part of the above bag is formed of a curve was employed.

[0011] Because of the curved periphery of packaging paper, a bouquet and flower arrangement whose appearance is soft can be prepared.

[0012] In addition, the step that a sheet is composed of impermeable material was employed.

[0013] The use of water absorbing material at the end part of tied fresh flowers and the like enables fresh flowers to last longer.

Brief Description of the Drawing

[0014]

Figure 1 is the plain view showing the packaging bag of flowering grasses and the like relevant to the present invention.

Figure 2 provides examples in which (A) shows a bouquet using the packaging bag and (B) shows a flower arrangement.

Figure 3 provides an example of reinforcing seals applied to perforation end parts instead of pierced holes.

Figure 4 shows another embodiment of the packaging bag of fresh flowers and the like, in which the opening part is curved.

Figure 5 shows another embodiment of the packaging bag for fresh flowers and the like, in which the bag is elongated.

Description of Letters and Numerals

[0015]

1. Packaging bag
2. Folding line

4. Gusset part
5. Side
6. Heat seal section
7. Opening part
8. Perforations
9. Pierced hole
- 9'. Reinforcing seal
10. String
11. Handling
12. Perforation for cutting

Best Mode for Carrying Out the Invention

[0016] Hereinafter, the explanation goes regarding the preferable embodiment for the packaging bag of fresh flowers and the like relevant to the present invention according to the figures. Figure 1 is the plain view of the packaging bag. In the figure, 1 is the packaging bag composed of the sheet or paper leaf in a substantially-square shape with the part of an angle cut off, which has double sheets. This packaging bag 1 can easily be obtained, for example, by folding the sheet consisting of synthetic-resin film with horizontal to vertical ratio of 2:1 into two at folding line 2 to form a square shape, cutting off corner 3 including the folding line 2 to form a gusset part 4, joining the said gusset part 4 and one side of subsequent thereof 5, for example, with heat seal 6 or the like to form opening part 7 with two remaining sides to look like a bag. However, the embodiment is not limited to this and two sheets cut into pentagon shape as shown may be used to form a bag by overlapping each other and joining the gusset part 4 and both sides thereof holding the gusset part 2 and 5 in a desired way. Furthermore, a shape of the sheet is not limited to the pentagon shape. In other words, the substantially fan-shaped packaging bag viewed laterally which has the upper opening part 7 wider than the gusset part 4 may be prepared.

[0017] Next, 8 indicates perforations provided along two sides in the side of the opening part 7 of the bag, in which the periphery of the sheet is partly separable in the said opening part 7. Also, 9 or 9' shows a circular pierced hole in each end of the said perforations 8, which is provided to prevent other parts than the perforations 8 from being split improperly. This perforations 8 and pierce hole 9 may be provided as required.

[0018] The following is to be conducted using this packaging bag, for example, when the bouquet as shown in Figure 2 (A) is prepared. That is, first, the desired number of fresh flowers F and F... are cut into proper length and joined at the end. Next, the end of the bunch of the fresh flowers is put into the gusset part 4 of the packaging bag in the present application, and is bond a little upper part of the gusset part 4 fast from the outside and tied off with string 10 and the like. The other packaging part is accordingly arranged to suit flower bouquet. This enables anybody to prepare the bouquet as shown easily and without efforts. In this case, when

fresh flowers are bond at the end, the said end is covered with the water absorbing material containing water as required, by which sufficient water can be supplied and flowers can last longer. Then, if the sheet composed of packaging bag is an impermeable film, it will be secure from leakage outside and convenient for carrying. In addition, the material of the sheet in itself is freely selective and it goes without saying that the pattern of the sheet can make an optional selection such as solid color, desired pattern printed out and the like.

[0019] Next, explanation goes in the case where the flower arrangement as shown in Figure 2 (B) is prepared. First, the water absorbing material such as OASIS (registered trademark) and the like is provided, which is a conical shape to fit the size of the gusset part of the packaging bag. Desired fresh flowers are put therein and put in the gusset part of packaging bag in the present application. Then, the middle part of the packaging bag is bond fast and tied off with a string, ribbon and the like. This enables anybody to prepare the flower arrangement as shown easily. With the gusset part, the bottom of the bag will be a flat-circular shape in corresponding to the water absorbing material in a conical shape and the flower arrangement can be placed on a table stably. In this case, the sheet is preferably composed of impermeable sheet material because the water absorbing material contains water.

[0020] Further, in this case, since the side of the opening part has perforations 8 as mentioned above, handling 11 can be formed by cutting off the periphery of the sheet in the said part. Therefore, the flower arrangement can easily be carried, keeping the flower arrangement shape. With circular pierced holes 9 in the end parts of perforations 8, even when handling 11 is formed by tearing off along perforations 8, a force does not concentrate on the end parts, thereby preventing the split of handling 11 from the said part. Furthermore, in case for decorating as a flower arrangement, if handling 11 is unnecessary, it can be cut apart. In addition, since pierced holes 9 are provided to avoid splitting away in the end of handling 11, as long as the objective can be accomplished, the shape is not limited to the circular shape. Furthermore, instead of the pierced holes 9 as mentioned above, split in the said part can be prevented by sticking reinforcing seal 9' on the end parts of perforations 8 as shown in Figure 3.

[0021] Figure 4 is another embodiment of the packaging bag for fresh flowers and the like relevant to the present invention. To be more precise, in the above-mentioned embodiment, the opening part 7 is cut into a curved shape. Such formation conveys a gentle impression to viewers because of the curved periphery of the sheet for either bouquet flowers or flower arrangement. Furthermore, perforations 8 can be provided along this curved periphery, which can form a handling in the same manner as mentioned above.

[0022] Further, figure 5 shows another embodiment. To be more precise, the flat-shaped sheet is formed of

a vertically-long-shaped bag by acuminating the angle forming the both sides. This is convenient for making a bouquet with long fresh flowers. In this embodiment, a bag is formed by bonding the gusset part 4 of the double sheet and the periphery of both sides 5 with heat seal 6 and the like 12 is also perforations for cutting. To be more specific, for example, when long flowers are cut short to prepare a bouquet, when the end parts of the opening part in the packaging bag are separated from the perforations for cutting, the bag can immediately be used as a short packaging bag for a bouquet.

[0023] In addition, although examples using fresh flowers to prepare a bouquet or a flower arrangement were described in each embodiment as mentioned above, they are not limited to these and it is a matter of course that dry flowers, artificial flowers and the like can also be used to prepare a bouquet and the like.

Industrial Applicability

[0024] As described above, according to the packaging bag relevant to the present invention, anybody can easily prepare a beautiful bouquet of flowers only by putting tied fresh flowers and the like into the bag, binding the vicinity of the gusset part, and tying off with a string and the like. Since the bag is formed only by bonding the gusset part and both sides thereof in the double sheet, it can be offered at low cost.

[0025] Further, with the conical water absorbing material provided in the gusset part to make the bottom a flat plate, it is also available for the flower arrangement which can be placed on a table.

[0026] Furthermore, with perforations provided along the opening part, a handling is formed by separating the said part, it is convenient for carrying a bouquet and a flower arrangement. In this case, pierced holes and reinforcing seals in the respective end parts of perforations can prevent split in the said end part.

[0027] Moreover, since the sheet composed of impermeable material enables fresh flowers to supply water using the water absorbing material and the like, the fresh flowers can last longer.

Claims

1. The packaging bag for flowers **characterized in** preparing a nearly fan-shaped bag with an opening part more widely opened than the gusset part by folding a sheet into two to make double sheets, removing one corner including folding lines to make a gusset part, and by bonding the said gusset part and successive sides thereof, and in providing perforations along the periphery with the above opening part.
2. The packaging bag for flowers **characterized in** preparing a substantially fan-shaped bag with an

opening part more widely opened than the gusset part by overlapping two sheets to make double sheets and by bonding the gusset part and both sides thereof holding the gusset part, and in providing with perforations along the periphery of the above-mentioned opening part.

3. The packaging bag for flowers as set forth in Claim 1, wherein pierced holes are provided in the end parts of perforations.
4. The packaging bag for flowers as set forth in Claim 2, wherein pierced holes are provided in the end parts of perforations.
5. The packaging bag for flowers as set forth in Claim 1, wherein reinforcing seals are applied on the end parts of perforations.
6. The packaging bag for flowers as set forth in Claim 2, wherein reinforcing seals are applied on the end parts of perforations.
7. The packaging bag for flowers as set forth in Claim 1, wherein the periphery of the opening part is formed of a curve.
8. The packaging bag for flowers as set forth in Claim 2, wherein the periphery of the opening part is formed of a curve.
9. The packaging bag for flowers as set forth in Claim 3, wherein the periphery of the opening part is formed of a curve.
10. The packaging bag for flowers as set forth in Claim 4, wherein the periphery of the opening part is formed of a curve.
11. The packaging bag for flowers as set forth in Claim 5, wherein the periphery of the opening part is formed of a curve.
12. The packaging bag for flowers as set forth in Claim 6, wherein the periphery of the opening part is formed of a curve.
13. The packaging bag for flowers as set forth in Claim 1, wherein the sheet is composed of impermeable material.
14. The packaging bag for flowers as set forth in Claim 2, wherein the sheet is composed of impermeable materials.
15. The packaging bag for flowers as set forth in Claim 3, wherein the sheet is composed of impermeable materials.

16. The packaging bag for flowers as set forth in Claim 4, wherein the sheet is composed of impermeable materials.
17. The packaging bag for flowers as set forth d in Claim 5, wherein the sheet is composed of impermeable materials. 5
18. The packaging bag for flowers as set forth in Claim 6, wherein the sheet is composed of impermeable materials. 10
19. The packaging bag for flowers as set forth in Claim 7, wherein the sheet is composed of impermeable materials. 15
20. The packaging bag for flowers as set forth in Claim 8, wherein the sheet is composed of impermeable materials. 20
21. The packaging bag for flowers as set forth in Claim 9, wherein the sheet is composed of impermeable materials.
22. The packaging bag for flowers as set forth in Claim 10, wherein the sheet is composed of impermeable materials. 25
23. The packaging bag for flowers as set forth in Claim 11, wherein the sheet is composed of impermeable materials. 30
24. The packaging bag for flowers as set forth in Claim 12, wherein the sheet is composed of impermeable materials. 35

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Fig 1

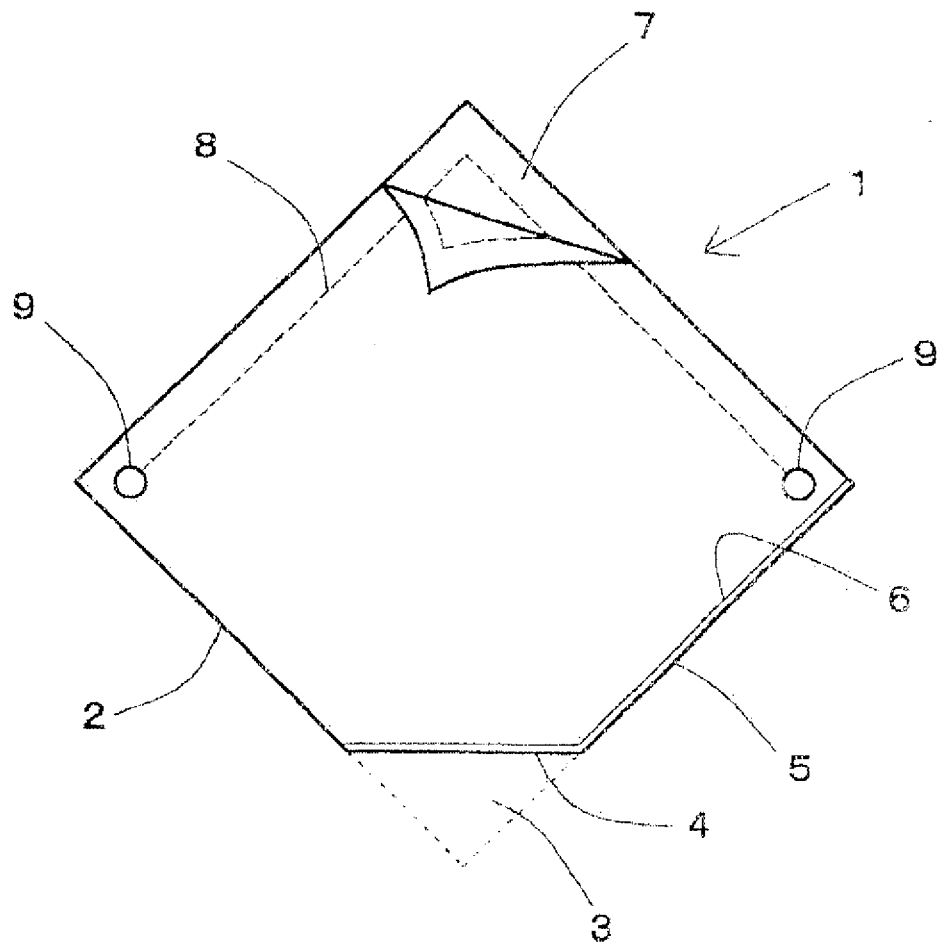


Fig 2

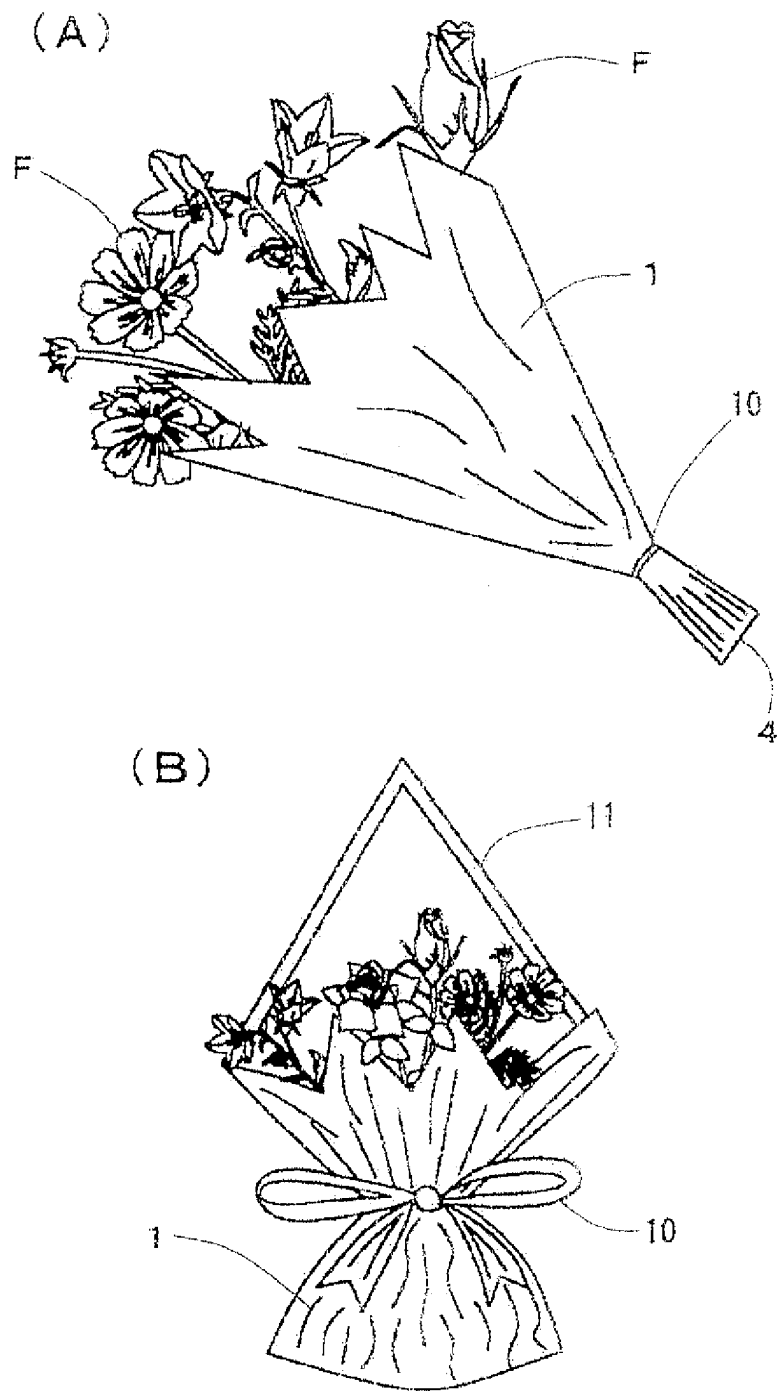


Fig 3

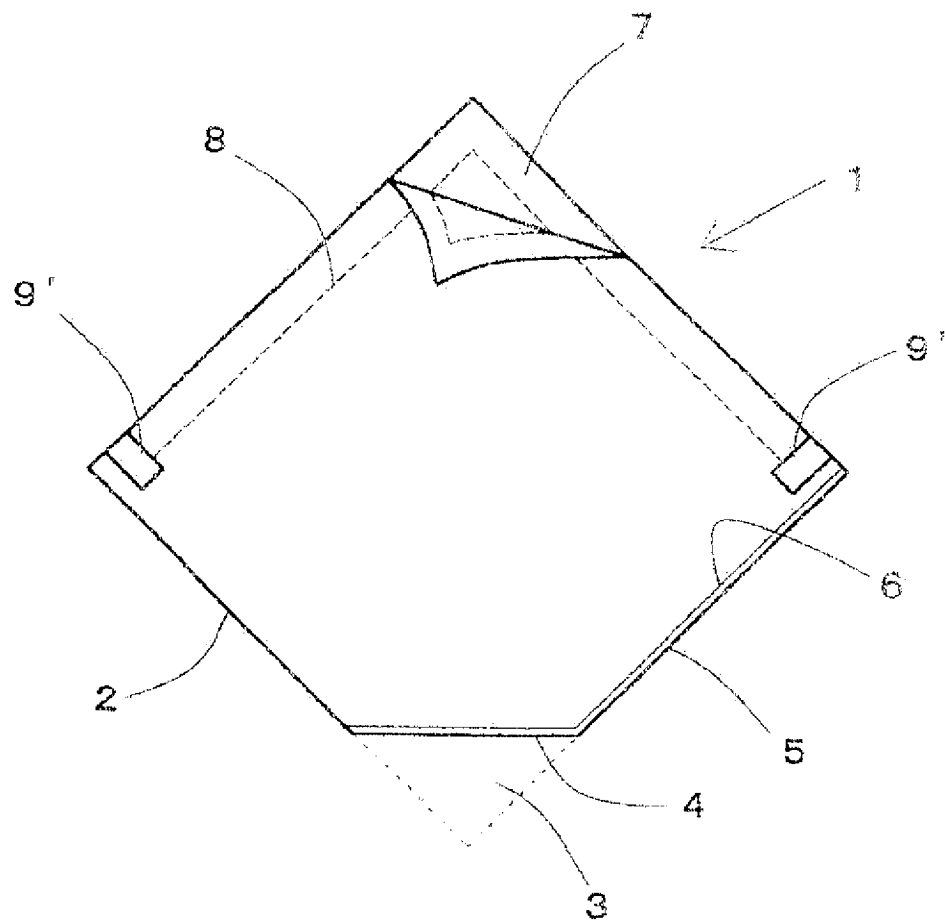


Fig 4

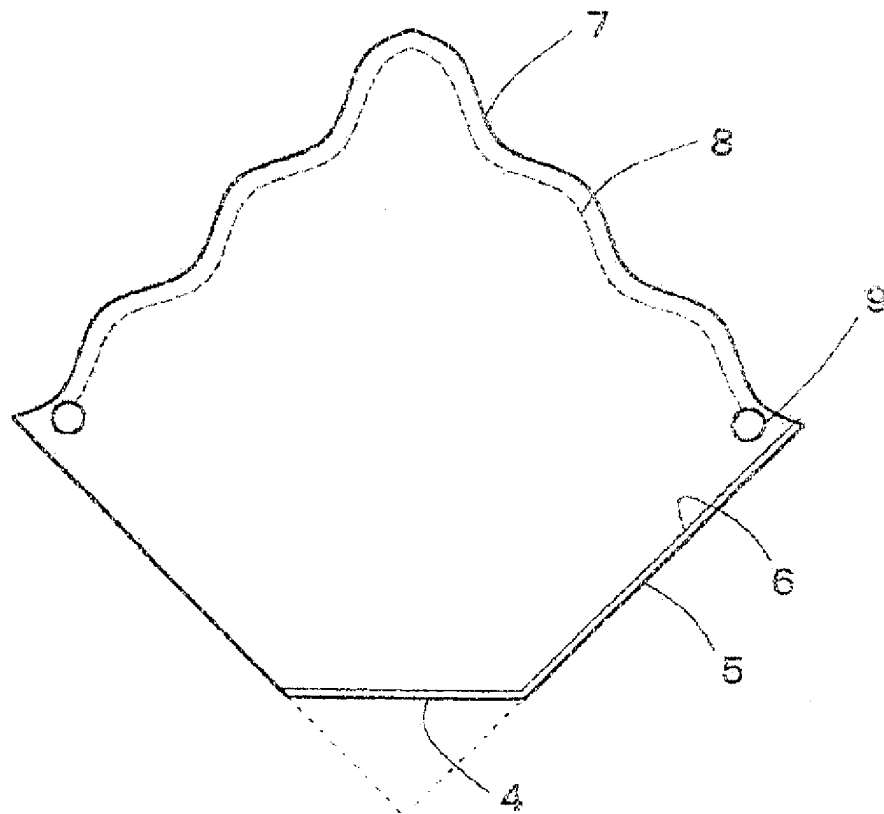
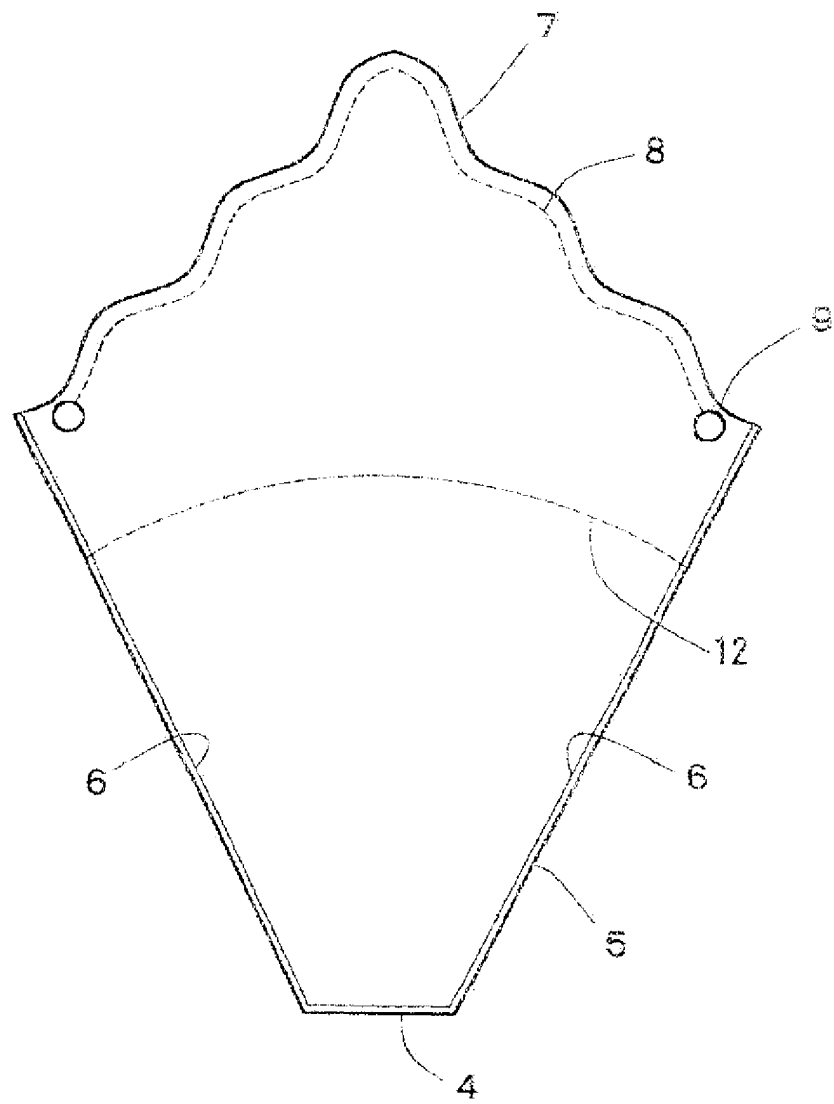


Fig 5



INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/07693

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ B65D30/28, 85/50		
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) Int.Cl ⁷ B65D30/28, 85/50		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003 Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 11-17337 Y1 (Shotaro ENOMOTO), 22 December, 1936 (22.12.36), Full text; Figs. 1 to 6 (Family: none)	1-24
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 114140/1981 (Laid-open No. 19940/1983) (Dainippon Printing Co., Ltd.), 07 February, 1983 (07.02.83), Page 2, lines 15 to 19; Figs. 1, 2 (Family: none)	1-24
Y	JP 2002-173153 A (Kabushiki Kaisha Seiko Shokai), 18 June, 2002 (18.06.02), Page 4, right column, lines 13 to 26; Fig. 1 (Family: none)	5, 6, 11, 12, 17, 18, 23, 24
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "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 when the document is taken alone "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 "&" document member of the same patent family
Date of the actual completion of the international search 04 August, 2003 (04.08.03)		Date of mailing of the international search report 19 August, 2003 (19.08.03)
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer
Facsimile No.		Telephone No.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/07693

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2002-128170 A (Yugen Kaisha Tsuruhisa Henkei Seitai), 09 May, 2002 (09.05.02), Full text; Figs. 1 to 2 (Family: none)	7-24

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