



(11) **EP 1 783 063 A1**

(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:
09.05.2007 Bulletin 2007/19

(51) Int Cl.:
B65D 75/58 (2006.01) B65D 65/02 (2006.01)

(21) Application number: **05380245.0**

(22) Date of filing: **03.11.2005**

(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 NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR MK YU

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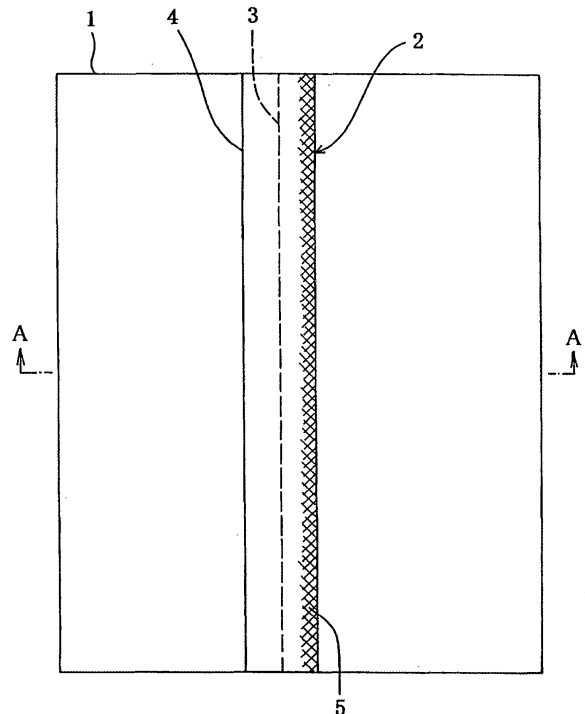
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(54) **Packaging material**

(57) To provide a packaging material having an opening mechanism capable of easily opening an upper face of a packaging sheet for packaging food or other items by only a one-touch operation of the upper face being pulled to counter directions, the packaging material has a packaging sheet opening mechanism 2 comprising a perforated line 3 formed at a packaging sheet 1 and a belt-shaped cover sheet 4 provided at the inside of the perforated line 3 of the packing sheet 1 so as to position the perforated line 3 approximately at a center in the longitudinal direction an one side end edge in the longitudinal direction of the belt-shaped cover sheet 4 being adhered so as not to contact it with the perforated line 3.

FIG. 1



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Description**BACKGROUND OF THE INVENTION****Field of the Invention**

[0001] The present invention relates to a packaging material comprising a packaging sheet opening mechanism.

Description of the Conventional Art

[0002] Many kinds of the packaging material have been conventionally used for packaging each piece of food such as a sushi, confectionery or other items.

[0003] For example, a packaging material illustrated in Figure 10 is for the sushi, and is used by forming a packaging sheet 100 made from a rectangular transparent plastic film, putting the packaging sheet 100 on a sushi 101 from an upper side so as to adhere closely thereto, folding and attaching an end edge of the packaging sheet 100 to the lower face of the sushi 101, and sealing an folded portion 102 by heating to prevent unnecessary opening (referring to Japanese Patent Application Laid Open No. 3(1991)-53858).

Summary of the Invention

[0004] However, as shown in Figure 11, when eating the sushi 101 packaged with the packaging sheet 100, it is necessary for opening the sheet 100 to carry out reversing works of turning the lower face of the sushi 101, that is, the folded portion 102 of the packaging sheet 100 upwardly, detaching the heat seal, taking out the sushi 101 from the packaging sheet 100, and turning the taken out sushi 101 again to return to the first state. Thus, there are problems that troublesome time and effort are required before eating it.

[0005] Further, since considerable force is necessary in order to detach the heat seal portion, there is a problem that the sushi 101 in the packaging sheet 100 is squeezed, or accidentally dropped from a hand.

[0006] Then, the present invention solves the above-described problems of the conventional techniques, and an primary objective of the present invention is to provide a packaging material having a opening mechanism capable of easily opening a package by only an one-touch operation of pulling an upper face of a packaging sheet packaging a food or other items in counter directions.

[0007] For achieving the above-described objective, the present invention has the following characteristics. In a first aspect thereof, the packaging material is provided with a packaging sheet opening mechanism comprising a perforated line formed at a packaging sheet, and a belt-shaped cover sheet provided at the inside of the perforated line of the packing sheet so as to position the perforated line approximately at a center in the longitudinal direction, one side end edge in the longitudinal

direction of the belt-shaped over sheet being adhered so as not to contact with the perforated line.

[0008] In a second aspect, a transparent, translucent or opaque plastic film is used as the packing sheet and the belt-shaped cover sheet mentioned above.

[0009] In a third aspect, the belt-shaped cover sheet is adhered to the packing sheet with heat sealing, in the packing sheet opening mechanism mentioned above.

[0010] In a fourth aspect, the belt-shaped cover sheet is adhered to the packing sheet with an adhesive, in the packing sheet opening mechanism mentioned above.

[0011] As described above, in the present invention, the packaging material has the packaging sheet opening mechanism comprising the perforated line formed at a packaging sheet and the belt-shaped cover sheet provided at the inside of the perforated line of the packing sheet so as to position the perforated line approximately at the center in the longitudinal direction, the one side end edge in the longitudinal direction of the belt-like cover sheet being adhered so as not to contact with the perforated line. Thus, the present invention has the following effects.

1. Since the lower side of the perforated line formed at the packaging sheet is covered with the belt-shaped cover sheet, it can be prevented that dust, various germs or the like invade from the outside.

2. It can be prevented that the food dries or discolors by introduction of air, and thus the taste and freshness can be kept for a long time.

3. Since the one side end edge of the belt-shaped cover sheet, which covers the lower side of the perforated line of the packaging sheet, is adhered and fixed so as not to contact with the perforated line, the belt-shaped cover sheet does not become an obstacle when pulling the packaging sheet in the counter directions to cut the perforated line, and thus the sheet opening work can be carried out smoothly and speedy with a one-touch operation.

BRIEF EXPLANATION OF DRAWINGS**[0012]**

Figure 1 is a front view illustrating a packaging material according to the present invention.

Figure 2 is a rear view of Figure 1.

Figure 3 is a cross-sectional view taken along a line A-A of Figure 1.

Figures 4A and 4B are enlarged cross-sectional views of a main part, in which Figure 4A illustrates before separation, and Figure 4B illustrates after separation.

Figure 5 is a plan view illustrating a using state.

Figure 6 is a plan view of another side of Figure 5 also illustrating the using state.

Figure 7 is a cross-sectional view along arrows B-B of Figure 5.

Figure 8 is a cross-sectional view same as Figure 7 when opening a film.

Figure 9 is a perspective view illustrating a state in which a packaging sheet is formed to be a roll.

Figure 10 is a perspective view illustrating a state in which a sushi is packaged with a conventional packaging sheet.

Figure 11 is a perspective view illustrating a state when opening the sushi in Figure 10.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENT

[0013] Hereinafter, one preferred embodiment for carrying out the present invention is described with drawings. In the drawings, 1 is a rectangular packaging sheet and has a packaging sheet opening mechanism 2 approximately at a center thereof in the longitudinal direction.

[0014] As the packaging sheet 1, the transparent, translucent or opaque plastic film is suitable. For example, a plastic film comprising polypropylene, polyethylene, polyethylene terephthalate or the like, or a paper coated with these plastics is suitable.

[0015] Further, as for the constitution of the packaging sheet opening mechanism 2 provided approximately at the center of the packaging sheet 1, a perforated line 3 is formed in overall length approximately at the center in the longitudinal direction of the rectangular packaging sheet 1. Further, a belt-shaped cover sheet 4 is provided at the inside of the perforated line 3 of the packaging sheet 1 so as to position the perforated line 3 approximately center in the longitudinal direction. Further, one side end edge in the longitudinal direction of the belt-shaped cover sheet 4 is adhered to the packaging sheet 1 so as not to contact it with the perforated line 3.

[0016] The belt-shaped cover sheet 4 may be adhered to the packaging sheet 1 with any one of heat sealing and an adhesive. 5 in the drawings is the adhering portion.

[0017] In addition, the rectangular packaging sheet 1 having the packaging sheet opening mechanism 2 illustrated in Figure 1 or 3 can be made by forming a roll 11 having a continuous packaging sheet opening mechanism 2 and cutting the roll 11 to have the predetermined length, as illustrated in Figure 9.

[0018] Then, the packaging sheet 1 comprising the above constitution packages a packaged item 6 so as to provide the packaging sheet opening mechanism 2 approximately at the center of the upper face of the packaged item 6, as illustrated in Figure 5 or 8.

[0019] That is, in Figures 5 and 7, a round confectionery 6a is packaged with the packaging sheet 1, and the packaging sheet opening mechanism 2 is provided approximately at the center of the upper face of the round confectionery 6a. On the other hand, in Figures 6, a sushi 6b is packaged with the packaging sheet 1, and the packaging sheet opening mechanism 2 is provided in a diagonal

direction on the upper face of the sushi 6b.

[0020] Then, for opening the packaging sheet opening mechanism 2 on the upper face of the packaging sheet 1 packaging the packaged item 6, both sides of the perforated line 3 in the upper face of the packaging sheet 1 are pulled in counter directions while pressing the both sides by two fingertips respectively, to thereby tear the perforated line 3 to the right and left. Thus, since the upper face of the packaging sheet 1 is opened widely, the packaged item 6 inside the packaging sheet 1 can be easily taken out.

[0021] At this time, since the belt-shaped cover sheet 4 covers the perforated line 3 of the packaging sheet 1 from the inside in a fitting state, it can be prevented that various germs, dust or the like that from the outside. Further, since the adhering portion 5 of the belt-shaped cover sheet 4 with the packaging sheet 1 is not contacted with the perforated line 3, there is no obstacle in the cutting work.

Claims

1. A packaging material provided with a packaging sheet opening mechanism, comprising a perforated line formed at a packaging sheet and a belt-shaped cover sheet provided at the inside of the perforated line of the packing sheet so as to position the perforated line approximately at a center in the longitudinal direction, one side end edge in the longitudinal direction of the belt-shaped cover sheet being adhered so as not to contact it with the perforated line.
2. The packaging material as claimed in claim 1, wherein a transparent, translucent or opaque plastic film is used as the packing sheet and the belt-shaped cover sheet.
3. The packaging material as claimed in claim 1, wherein the belt-shaped cover sheet is adhered to the packing sheet with heat sealing, in the packing sheet opening mechanism.
4. The packaging material as claimed in claim 1, wherein the belt-shaped cover sheet is adhered to the packing sheet with an adhesive, in the packing sheet opening mechanism.
5. The packaging material as claimed in claim 2, wherein the belt-shaped cover sheet is adhered to the packing sheet with heat sealing, in the packing sheet opening mechanism.
6. The packaging material as claimed in claim 2, wherein the belt-shaped cover sheet is adhered to the packing sheet with an adhesives, in the packing sheet opening mechanism.

FIG. 1

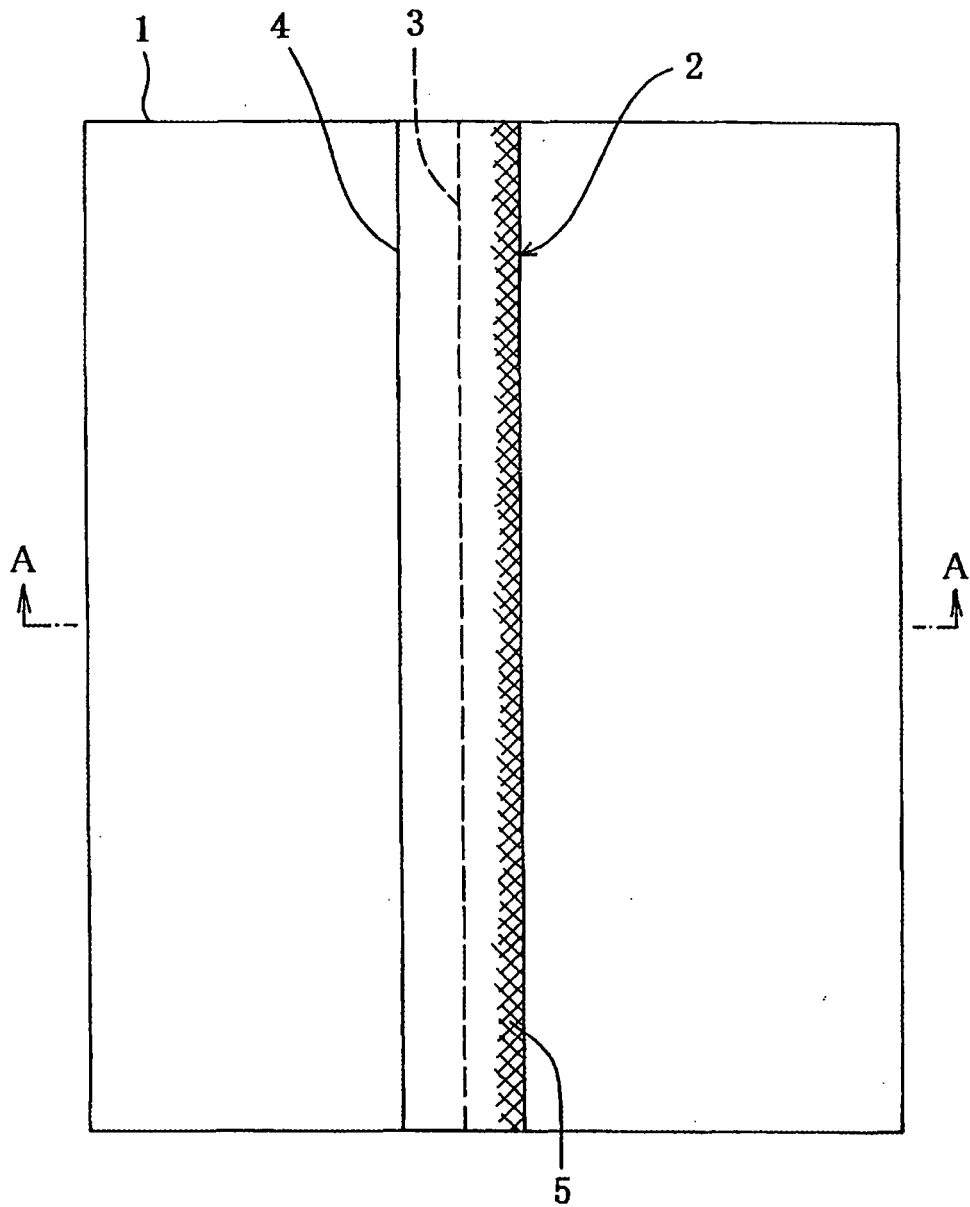


FIG. 2

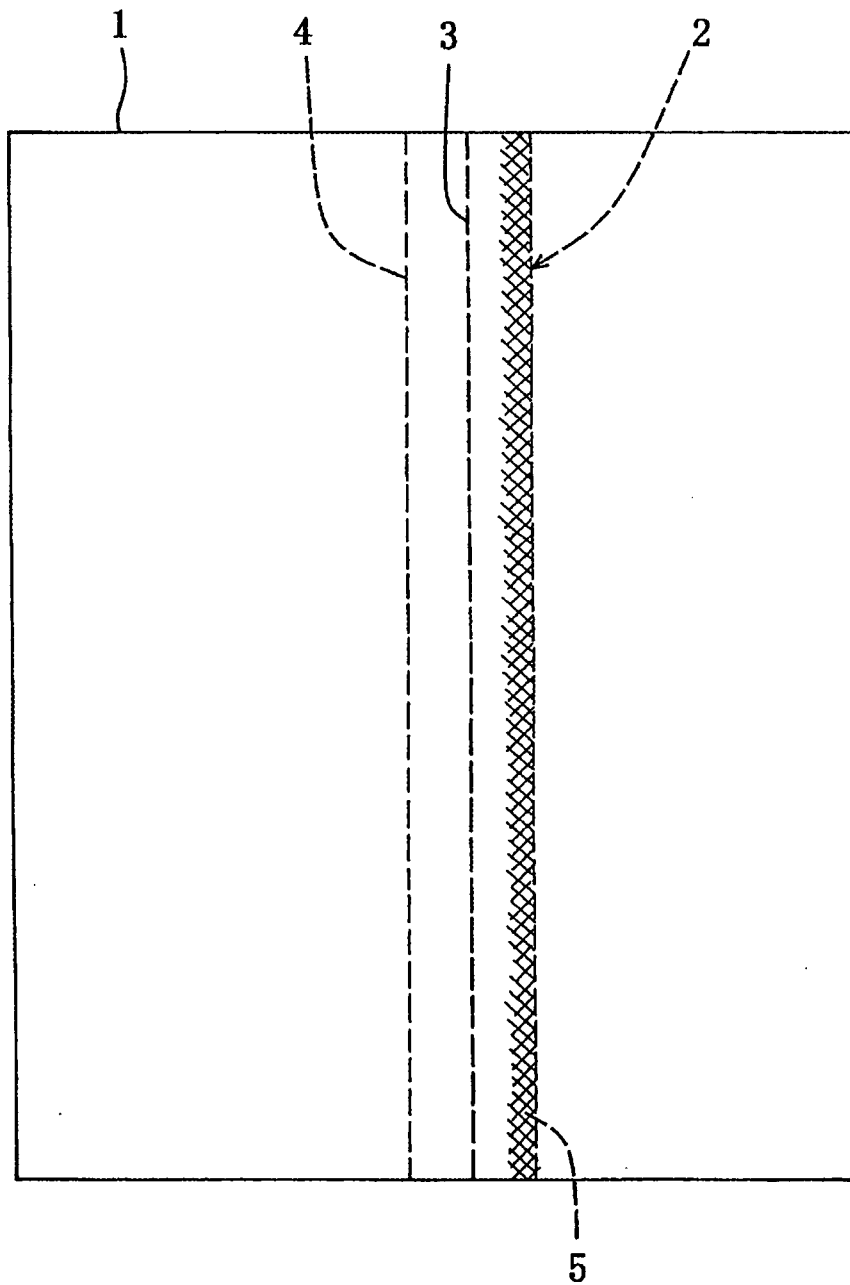


FIG. 3

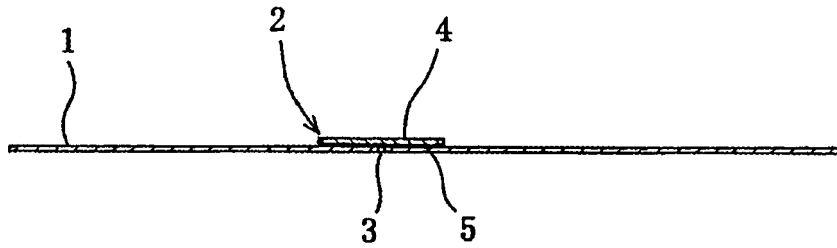


FIG. 4(a)

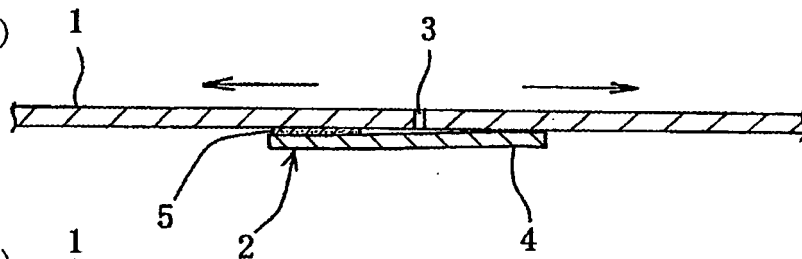


FIG. 4(b)

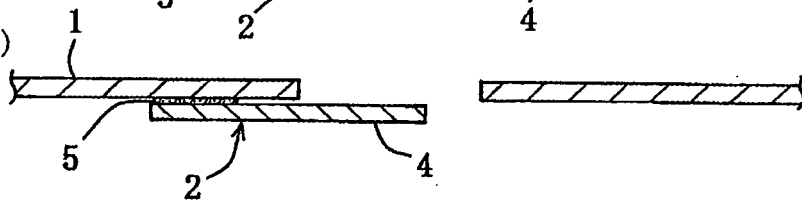


FIG. 5

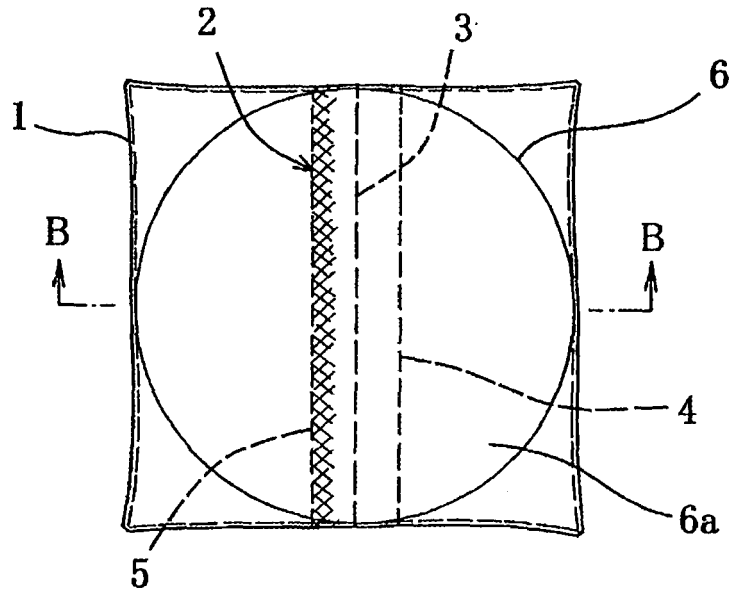


FIG. 6

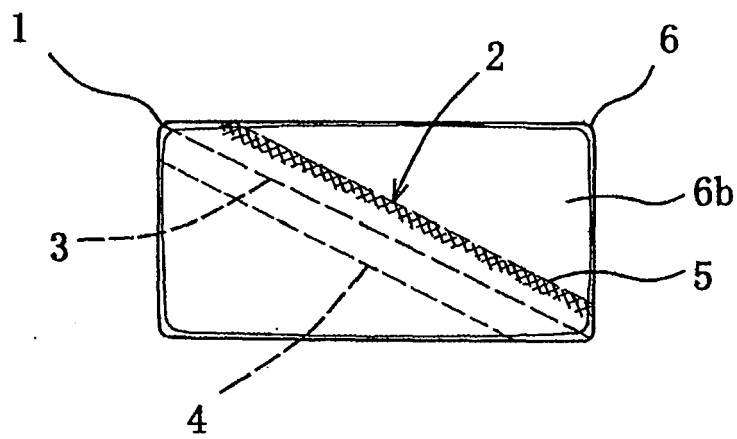


FIG. 7

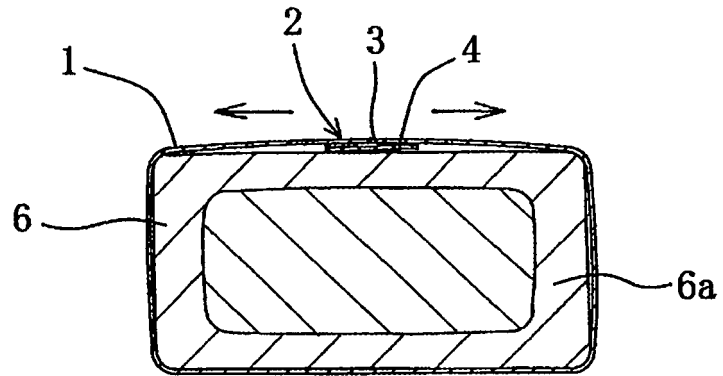


FIG. 8

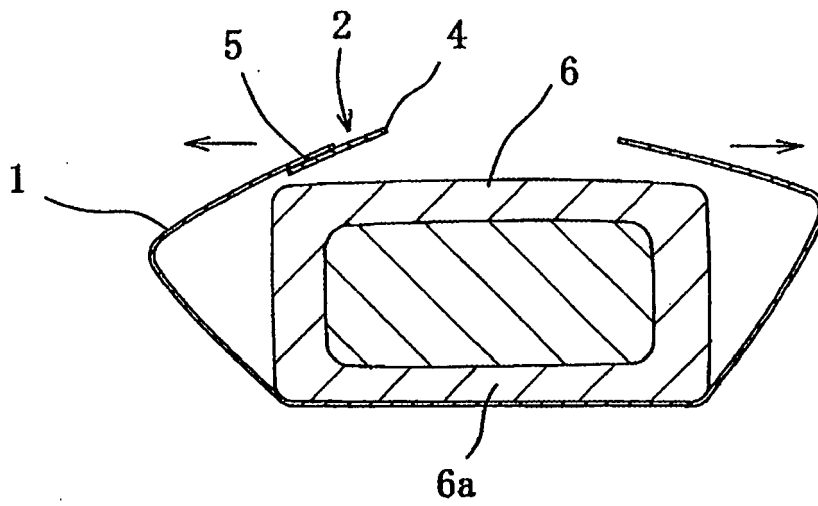


FIG. 9

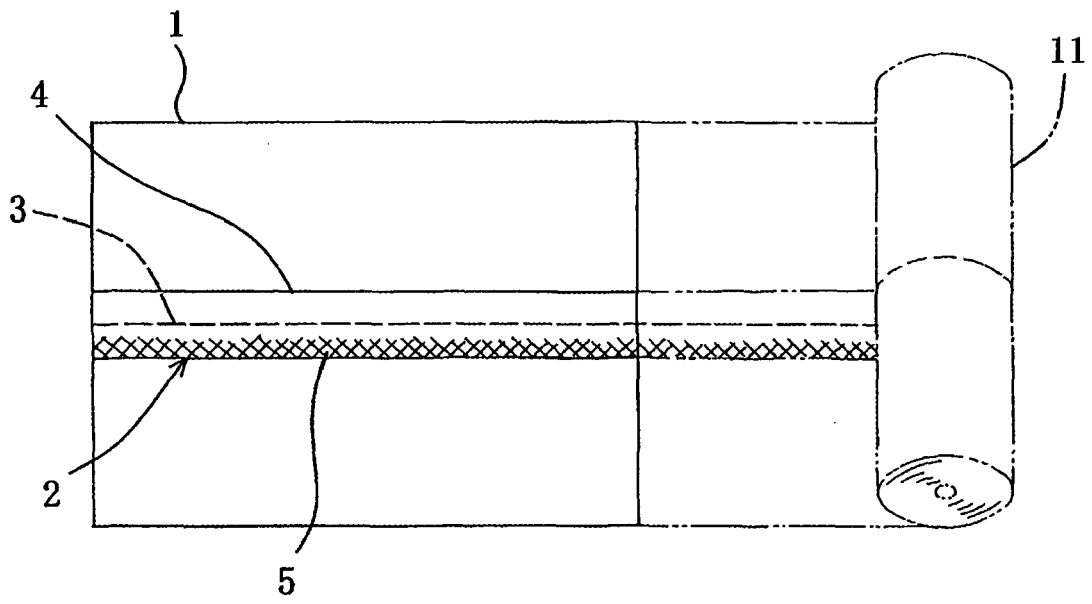


FIG. 10

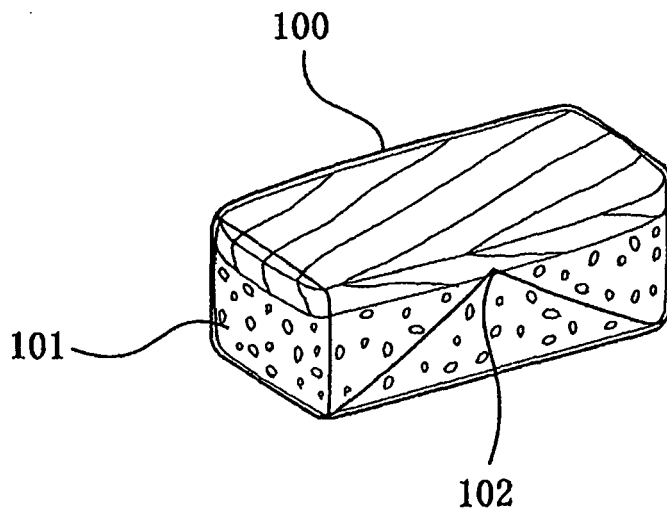
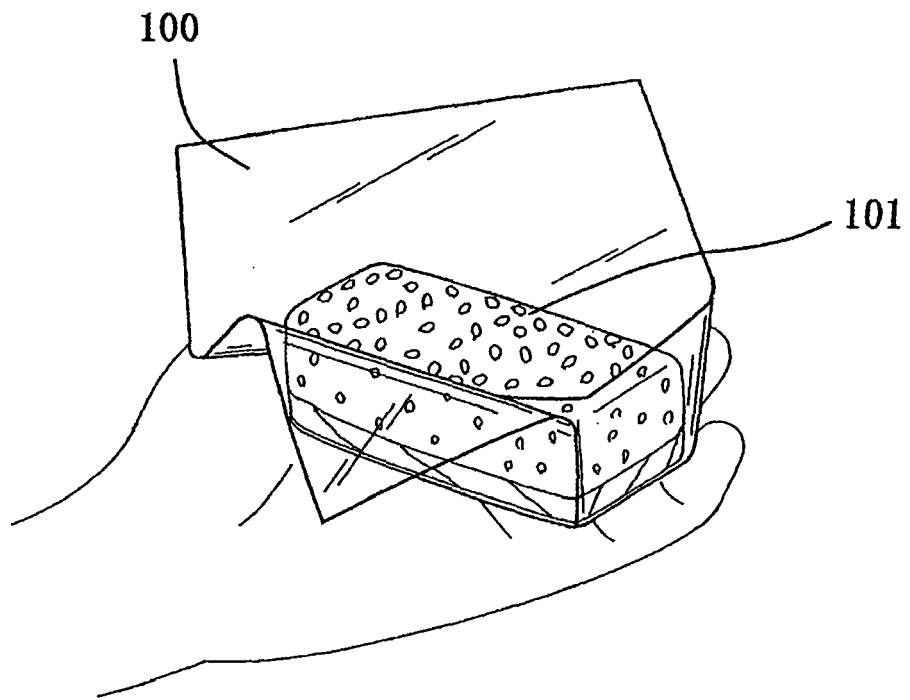


FIG. 1 1





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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X	WO 02/20363 A (VELCRO INDUSTRIES B.V; SHEPARD, WILLIAM, H; PROVOST, GEORGE, A; CLUNE,) 14 March 2002 (2002-03-14) * page 5, line 9 - line 18 * * page 7, line 30 - page 8, line 2 * * figures 1,2,5,8 * -----	1-3,5	
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 30 March 2006	Examiner Rodriguez Gombau, F
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1 EPO FORM 1503 03.02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 05 38 0245

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30-03-2006

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