



⑪ Publication number : **0 640 534 A1**

12

EUROPEAN PATENT APPLICATION

②① Application number : 94305086.4

⑤¹ Int. Cl.⁶: **B65D 85/18**

②② Date of filing : 12.07.94

③① Priority : 26.08.93 FR 9310282

④3 Date of publication of application :
01.03.95 Bulletin 95/09

(84) Designated Contracting States :
AT BE CH DE ES GB IT LI LU NL

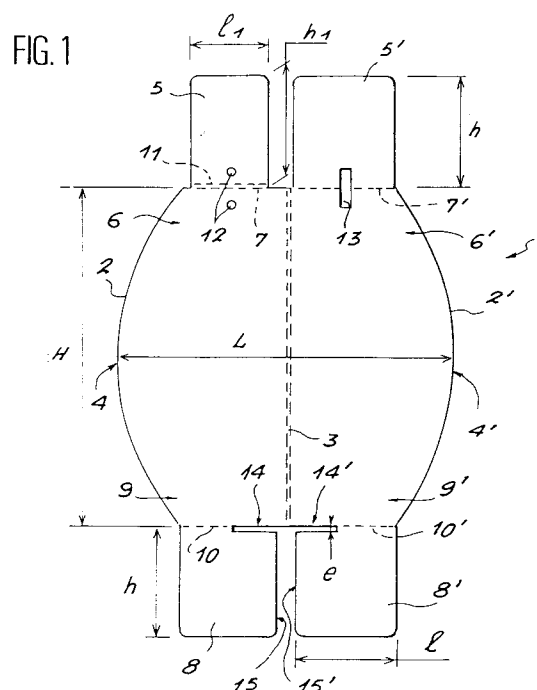
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(54) Panty packaging cartonette.

(57) The invention relates to a blank (1) made of sheet material, such as flat cardboard, and a pack achieved with such a blank, for presentation of a pair of briefs (16) or similar, made up of two main sections (2, 2') joined together by, and symmetrical in relation to, a first central fold-line (3), each section including an upper flap (5, 5') joined to the upper part (6, 6') of said section by a second fold-line (7, 7'), and a lower flap (8, 8') joined to the lower part (9, 9') of said section by a third fold-line (10, 10'), said lower flaps being spaced apart from one another at the level of the third fold-lines by a distance corresponding to at least the dimension of the crotch (18) of the pair of briefs.



This invention relates to a blank made of sheet material, such as flat cardboard, for the presentation of a pair of briefs or similar.

It also relates to a presentation pack for such a pair of briefs.

It is particularly - though not exclusively - useful for purposes of presentation when selling women's undergarments, for example in department stores.

Devices are already known for the presentation of panties or briefs which enable the potential customer to form an idea of the style and the pattern on the briefs being considered.

For example, there are small hangers which are provided at each side with clips which grip the briefs at the waistband.

Such a device has its disadvantages.

It does not adequately protect the pair of briefs which risks being damaged for example in the vicinity of the fixing clips. Also it does not give a precise idea of the effect when stretched over the hips during wear.

A presentation pack is also known with which the briefs are packed under a sheet of transparent material and are fixed by being stretched over a piece of cardboard which holds them in position.

Such a pack protects the product but is costly to manufacture and use.

This invention aims to supply a blank and a presentation pack for a pair of briefs or similar, which better meets the demands of the trade than the ones previously known, particularly in that the pair of briefs is presented in a new, simple and compact way, with maximum visual impact for the buyer, and it is inexpensive and easy to use.

Also the same blank can be used regardless of the size of the pair of briefs.

With this aim in view, the invention especially proposes a blank made of sheet material, such as flat cardboard, for the presentation of a pair of briefs or similar, comprising two main sections joined together by, and symmetrical in relation to, a first central fold-line, each section having an upper flap joined to the upper part of said section by a second fold-line, and a lower flap joined to the lower part by a third fold-line, said lower flaps being separated from each other at the level of the third fold-lines by a distance corresponding to at least the dimension of the crotch of the pair of briefs.

In advantageous embodiments, one also has recourse to all or any of the following arrangements:

- The second and third fold-lines are perpendicular to the first fold-line;
- the side edges of the sections, opposite to the first fold-line, are rounded off;
- the upper flaps are rectangular, of the same length perpendicularly to the second fold-line, and having a smaller width than that of the sections at the level of said second fold-line;

- the blank has two holes disposed symmetrically on each side of the second fold-line of one upper flap, and a notch straddling the second fold-line of the other upper flap, the two holes and the notch being disposed symmetrically to each other in relation to the first fold-line;
- the flap associated with the holes is smaller in width than the upper flap associated with the notch;
- the lower flaps are rectangular, symmetrical in relation to continuation of the first fold-line and each one has, along the third fold-line, a slot starting from the inner edge of the corresponding flap and running inwards in said flap and suitable for receiving half of the crotch of the pair of briefs;
- the length of each of the upper and lower flaps, perpendicularly in relation to the second fold-line, is a little less than half the length of the corresponding sections.

The invention also proposes a presentation pack for a pair of briefs or similar, comprising a blank made of sheet material made up of:

- . two main sections joined together by, and symmetrical in relation to, a first fold-line, designed to allow the pair of briefs to be drawn over said sections when said sections are laid flat,
- . two upper flaps each respectively joined to the upper part of a corresponding section by a second fold-line,
- . and two lower flaps each respectively joined to the lower part of a corresponding section by a third fold-line and provided along said third fold-line with a slot for the crotch of the pair of briefs, one of said upper flaps and the lower flaps being folded onto the pair of briefs once it has been drawn onto the flat main sections, said main sections then being folded one on top of the other and the last upper flap being folded down over the folded sections,

and means for fixing the side edges opposite to the first fold-line of the sections so that one lies on top of the other.

The side edges of the sections, opposite the first fold-line, are advantageously rounded off.

In an advantageous embodiment of the invention, the pack also includes, in the upper part, means for hooking said pack onto a stand, this means being made up of

two holes made in one upper flap and the corresponding section, symmetrically on either side of the corresponding second fold-line, a rectangular notch straddling the second fold-line joining the other upper flap with the other section, disposed opposite the holes in such a way that the pack formed has a hole passing right through it at its upper end, and a hook provided at the end opposite the hook, on

the one hand with a stud suitable for insertion into the hook opening and on the other hand with a closing tab provided with a hole suitable for engaging with said stud.

The invention will be better understood when reading the following description of a particular embodiment given by way of non-limitative example. The description refers to the accompanying drawings, in which:

- Fig. 1 is a plan-view of the blank according to one embodiment of the invention,
- Figs. 2 to 5 show the various stages of packing a pair of briefs onto the blank as per Fig. 1, in order to form the packaging according to the invention, described here in greater detail.
- Fig. 5a is an embodiment of the hooking means usable with a blank according to the invention.

Fig. 1 shows a blank made of a flat sheet of cardboard comprising two main sections 2, 2' which are substantially rectangular in shape and joined together by a first fold-line 3.

This first fold-line can be two lines which are very close to one another and which take into account the thickness of the pair of briefs in the pack when the two sections are folded one on top of the other.

The sections 2, 2' are symmetrical to each other in relation to the line 3 and have an outer edge 4, 4' which is rounded in shape to give, when the two sections are laid flat, a profile substantially corresponding with that of the hips of the female or male body.

Each section 2, 2' includes on the one hand an upper flap 5, 5' joined to the upper part 6, 6' of said section by a second fold-line 7, 7' perpendicular to the first fold-line 3, and on the other hand a lower flap 8, 8' joined to the lower part 9, 9' of said section by a third fold-line 10, 10' perpendicular to the first fold-line.

In the embodiment described in greater detail here, the upper flap 5 is rectangular and has, close to the fold-line 7, a second parallel fold-line 11 allowing, as will be seen later, for the thickness due to the pair of briefs when the pack is closed. If necessary, this upper flap is joined to the section 2' by a detachable tie, coinciding for example with one of the fold-lines 7 or 11.

The width of the flap 5 corresponds for example to two thirds of the width of the upper edge of the part 6 which partly merges with the second fold-line 7, which, for this flap, particularly plays the rôle of connecting line, the folding actually being carried out around the line 11, as will again be seen later.

The upper part 6 and the flap 5 each includes a hole 12 which has for instance a diameter of 6 mm, disposed on each side of the second fold-line 7, symmetrically in relation to the fold-line 11, in such a way that they are superposed on each other when the flap 5 is folded onto the section 2 around the line 11.

The upper flap 5' is also rectangular and has for example a width which is a little less than that of the upper part 6', at the level of the fold-line 7'.

A rectangular slot (13) straddling the fold-line 7' is provided, disposed symmetrically with the two holes, in relation to the line 3, and designed to be superposed on the surface containing the holes 12 in folded position.

As represented, the two lower flaps 8 and 8' are rectangular, symmetrical in relation to the line 3 and each includes a slot 14, 14', for instance 5 mm deep, along the third fold-lines 10, 10', starting from the inner edges 15, 15' of the lower flaps, opposite to and at a distance from each other, running inwards in the corresponding flaps, and suitable for forming a slot centred in relation to the line 3 for receiving the crotch of the pair of briefs. These lower flaps 8 and 8' could be other than rectangular in shape, for example shaped roughly as sectors of a circle, the apexes of which roughly coincide with the centre of the slot 14, 14' and the sides with the fold-lines 10, 10' on the one hand and the inner edges 15, 15' on the other hand.

By way of information, the dimensions of a blank as described above can for example be as follows:

- . Height of a section: (H) 300 mm
- . Maximum width of a section: (L) 155 mm
- . Flaps 5', 8 and 8': (1) 120 mm x (h) 140 mm
- . Flap 5: (1₁) 80 mm x (h₁) 135 mm.

A description now follows of the various stages of packing a pair of briefs 16 with the blank 1 shown in Fig. 1, reference being made to Figs. 2 to 5.

The pair of briefs 16 is drawn onto the flat blank, the sides 17 of the pair of briefs coming to rest more or less close to the edges 4 and 4' of the sections depending on the size of the pair of briefs.

The crotch 18 is inserted for its part in the half-slots 14 and 14' provided for the purpose (see Fig. 2).

Then the two lower flaps 8 and 8' are folded (Fig. 3). Then the upper right-hand flap 5' is folded and the excess fabric 19 of the pair of briefs is drawn between the flaps so that the pair of briefs is stretched over the two flat sections 2 and 2'.

Then the section 2 is folded onto the section 2' (see Fig. 4). The pair of briefs 16 is stretched and the excess fabric is held by the flaps on the inside.

The fourth flap 5 is then folded onto the pair of briefs and the outer surface 20 (see Fig. 5).

A hook (see Fig. 5a), made of plastic for example, comprising an upper hooked part 22 and a lower part 23 provided with a stud 24 and a closing tab 25 having a hole 26 suitable for engaging with said stud, are then positioned.

The stud 24 is introduced into the first hole 12a (see Fig. 4), passes through the notch 13 and through the hole 12b (the flap 5 being folded).

The tab 25 integral with the hook 21 in the lower part is then folded over the top of the edge 27 (merged with the fold-line 11) of the pack and the hole 26 en-

gages with detachable locking mechanism in a way known in itself with the stud 24 provided for the purpose.

Finally, the outer surfaces of the sections 2 and 2' are fixed by means of an adhesive tab on the lower side of the pack, which makes the pack inviolable.

This tab advantageously indicates the size and style of the pair of briefs packed.

Claims

1. Blank (1) made of sheet material, such as flat cardboard, for the presentation of a pair of briefs (16) or similar, comprising two main sections (2, 2') joined together by, and symmetrical in relation to, a first central fold-line (3), each section including an upper flap (5, 5') joined to the upper part (6, 6') of said section by a second fold-line (7, 7'), and a lower flap (8, 8') joined to the lower part (9, 9') of said section by a third fold-line (10, 10'), said lower flaps being spaced apart from each other at the level of the third fold-lines by a distance corresponding to at least the dimension of the crotch (18) of the pair of briefs.
2. Blank according to Claim 1, characterized in that the second (7, 7') and third (10, 10') fold-lines are perpendicular to the first fold-line (3).
3. Blank according to either of the above claims, characterized in that the side edges (4, 4') of the sections, opposite the first fold-line, are rounded off.
4. Blank according to any of the above claims, characterized in that the upper flaps (5, 5') are rectangular, of the same length perpendicularly to the second fold-line, and of a smaller width than that of the sections (2, 2') at the level of said second fold-line (7, 7').
5. Blank according to any of Claims 2 to 4, characterized in that it includes two holes (12) disposed symmetrically on either side of the second fold-line (7) of an upper flap (5), and a notch (13) straddling the second fold-line (7') of the other upper flap (5'), the two holes (12) and the notch (13) being disposed symmetrically to one another in relation to the first fold-line (3).
6. Blank according to any of the above claims, characterized in that the lower flaps (8, 8') are rectangular, symmetrical in relation to continuation of the first fold-line, and each one has, along the third fold-line (10, 10'), a slot (14, 14') starting from the inner edge of the corresponding flap and

running inwards in said flap, this slot in each case being suitable for receiving half the crotch of the pair of briefs.

7. Blank according to any of the above claims, characterized in that the length of each of the upper flaps (5, 5') and lower flaps (8, 8'), perpendicularly in relation to the second fold-line, is a little less than half the length of the corresponding sections (2, 2').
8. Presentation pack for a pair of briefs (16) or similar comprising
 - a blank (1) made of sheet material including
 - two main sections (2, 2'), which are joined together by, and symmetrical in relation to, a first fold-line (3), and are designed to allow the pair of briefs to be drawn onto said sections when said sections are flat,
 - two upper flaps (5, 5') each respectively being joined to the upper part (6, 6') of a corresponding section by a second fold-line (7, 7'),
 - and two lower flaps (8, 8') each respectively being joined to the lower part of a corresponding section by a third fold-line (10, 10') and provided along said third fold-lines with a slot (14, 14') for accommodating the crotch (18) of the pair of briefs,
 - one of said upper flaps (5') and the lower flaps (8, 8') being folded onto the pair of briefs once it has been drawn onto the flat main sections, said main sections (2, 2') then being folded one on top of the other and the last upper flap (5) being folded onto the folded sections, and means (28) for fixing on top of each other the side edges opposite the first fold-line of the sections onto which the pair of briefs has been drawn.
9. Pack according to Claim 8, characterized in that the side edges (4, 4') of the sections, opposite the first fold-line, are rounded off.
10. Pack according to either of Claims 8 or 9, characterized in that in addition it includes, in the upper part, means (21, 12, 13) for hooking said pack onto a stand, made up of
 - two holes (12) made in an upper flap (5) and the corresponding section (2), on either side of the corresponding second fold-line,
 - a rectangular notch (13) straddling the second fold-line (7') joining the other upper flap (5') with the other section (2'), disposed opposite the holes in such a way that the pack has a hole passing right through it at its upper end,
 - and a hook provided at the end (23) opposite the hook (22), on the one hand with a

stud introduced into the hook opening and on the other hand with a closing tab suitable for engaging with said stud.

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FIG. 1

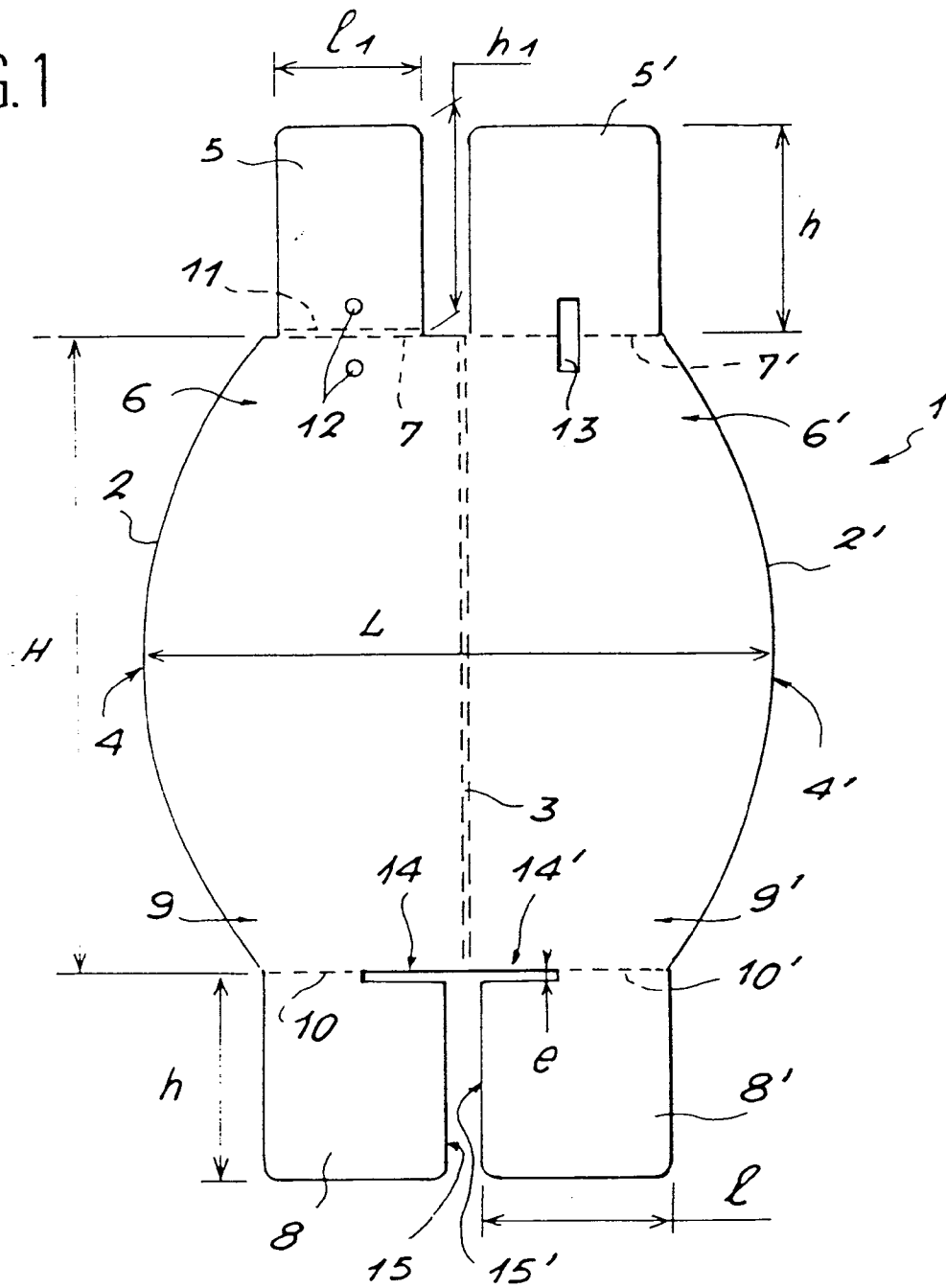
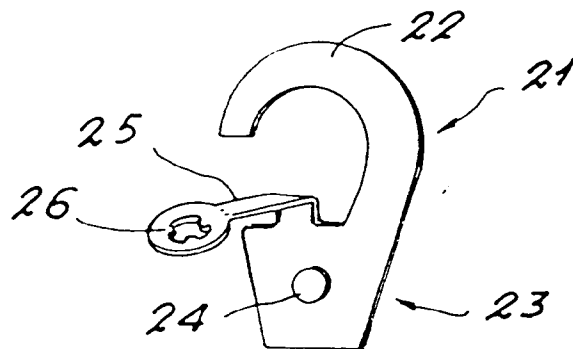


FIG. 5a



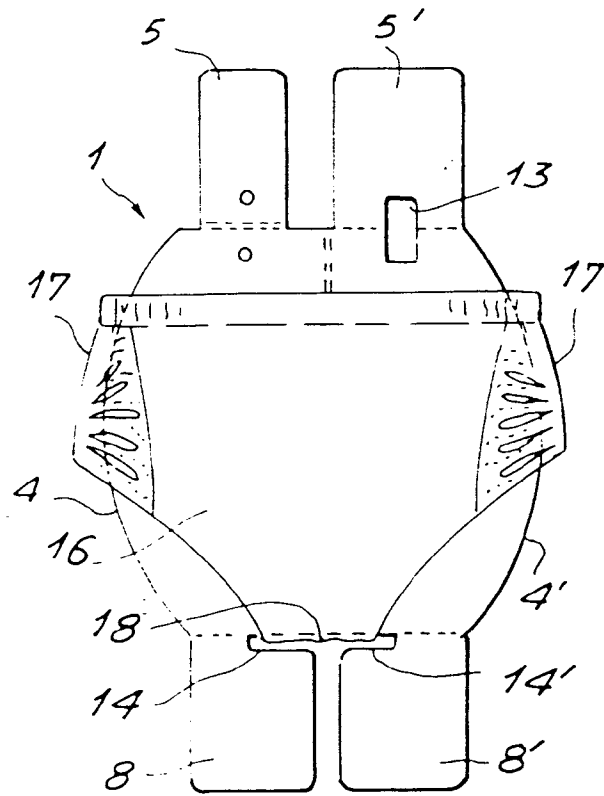


FIG. 2

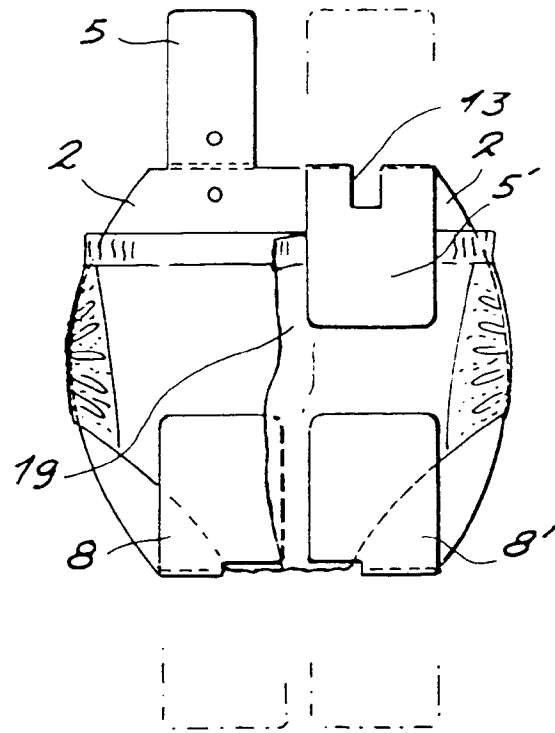


FIG. 3

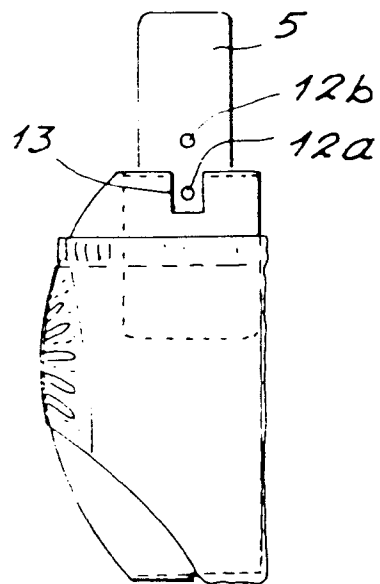


FIG. 4

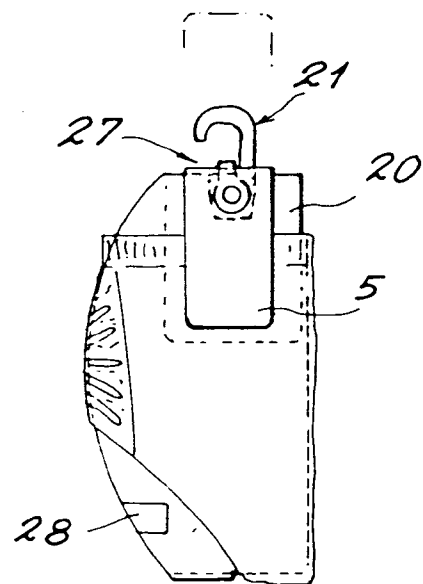


FIG. 5



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 94 30 5086

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	US-A-3 616 975 (COLLURA) * the whole document * ---	1,8	B65D85/18
A	FR-A-2 486 791 (ETABLISSEMENTS MAURICE BLANC) * the whole document * -----	1,8	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			B65D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 6 December 1994	Examiner SMITH, C
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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