



(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:
24.06.2009 Bulletin 2009/26

(51) Int Cl.:
B65D 5/66 (2006.01) **B65D 75/00** (2006.01)
B65D 5/54 (2006.01)

(21) Application number: **08425786.4**

(22) Date of filing: **10.12.2008**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
Designated Extension States:
AL BA MK RS

(71) Applicant: **Delicarta S.p.A.**
55016 Porcari (LU) (IT)

(72) Inventor: **Stefani, Emi**
55016 Porcari (LU) (IT)

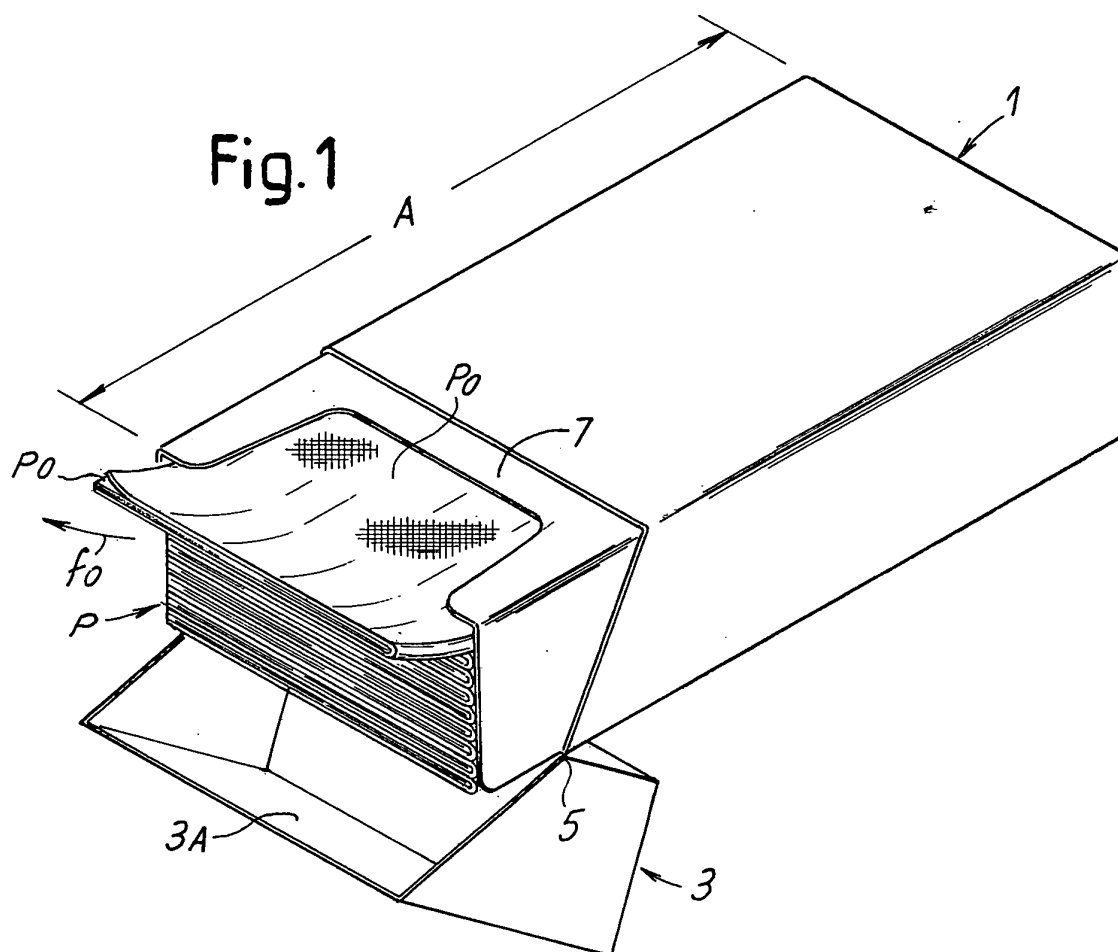
(74) Representative: **Mannucci, Michele et al**
Ufficio Tecnico Ing.A. Mannucci S.r.l.
Via della Scala 4
50123 Firenze (IT)

(30) Priority: **21.12.2007 IT FI20070290**

(54) **A pack of paper handkerchiefs, facial tissues and the like**

(57) A plurality of paper handkerchiefs, facial tissues or the like, adequately folded, is housed in a box-shaped

cardboard container, structured similarly to a cardboard carton for cigarettes and the like.



Description

Technical Field

[0001] The present invention relates to improvements to packs of disposable hygiene products, in particular folded products, such as facial tissues, handkerchiefs or the like.

State of the art

[0002] Normally, paper handkerchiefs, and also facial tissues or the like, are packaged in plastic film wrappers with a pre-cut or tear-open aperture defined by pre-cutting or perforation, to remove the handkerchiefs individually. Although these packs are inexpensive, they are also not very suitable to maintain their content orderly, especially in cases in which the handkerchiefs are not consumed sufficiently rapidly. In any case, these current packs do not ensure uniform positioning of their content. These drawbacks are aggravated by the fact that these articles are commonly kept in a bag or purse, or in a pocket, where they are subjected to mechanical stresses of a dynamic nature, which deform the pack causing damage to its content.

Summary of the invention

[0003] The subject matter of the present invention is a pack for a plurality of paper handkerchiefs, facial tissues or other disposable folded cellulose articles which, although relatively inexpensive in relation to the value of the packaged article, is suitable to uniformly maintain the products contained therein during their use and in any case to allow easy removal of an article when required.

[0004] In substance, the pack in question for paper handkerchiefs, facial tissues and the like is composed of a box-shaped cardboard container forming a lid hinged along a folding line, structured similarly to a container or carton for cigarettes, and with similar dimensions to those of cardboard cigarette cartons on the market.

[0005] The pack in question has a relatively deep aperture, to facilitate removal of the individual handkerchiefs or other disposable folded cellulose articles, and a corresponding appendage of the articulated lid, to ensure closing of the pack.

Brief description of the drawings

[0006] The invention will be better understood by following the description and accompanying drawing, which shows practical non-limiting examples of the invention. In the drawing:

Fig.1 shows in an overall perspective view, a carton for paper handkerchiefs or the like, open to remove a handkerchief;

Fig.2 shows a perspective view of a single paper

handkerchief folded conventionally and susceptible to be housed in the carton of Fig. 1;

Figs.3, 4 and 5 show the pack of Fig. 1 in three sides views, one of which is partly cut-away;

Fig.6 is a side view, partly cut-away and open to remove a handkerchief;

Fig.6A is a perspective view of a variant of the pack of Fig. 6; and

Figs.7 to 11 show perspective views of some other possible forms of cartons for handkerchiefs or the like.

Detailed description of embodiments of the invention

[0007] According to the illustrations in Figs. 1 to 6, a pack for a plurality of folded paper handkerchiefs or other similar articles - such as facial tissues or in general disposable folded cellulose articles - is produced as a cardboard carton 1, analogously to conventional cartons to contain cigarettes or the like. The carton 1 has a lid 3 formed with the same cardboard and constrained to the body of the rigid pack at a hinge 5 formed by a transverse fold along one side of the rigid pack. The longitudinal dimension A of the carton is slightly greater than the length (more or less standardized) of cigarettes and is advantageously slightly greater than the dimension of a conventionally folded paper handkerchief (see Fig. 2). The thickness of the carton 1 depends on the number of handkerchiefs (or the like) to be contained. The assembly can be compared in structure to those of cigarette containers, naturally with dimensions compatible to those required by the dimensions of the suitably folded cellulose articles to be packaged.

[0008] The top handkerchief P_0 of the paper articles P as a whole is accessible and exposed due to the presence of an indentation 7 of adequate depth, i.e. dimension in the direction of length A of the pack or carton 1, to allow easy removal of the first article P_0 , obtainable after having bent back the lid 3 around the fold 5, as can be seen in Figs. 1 and 6. In turn, the lid 3 has an appendage 3A extending sufficiently to cover, in the closed position, the indentation 7.

[0009] In Fig.1 (and in Fig.6 with a dotted and dashed line) the article P_0 (handkerchief or other folded product) is shown in a position partly extracted from the carton 1.

[0010] The lid 3, when taken to the closed position around the hinge 5 formed by the transverse fold of the rear side of the cardboard, closes the carton 1 and therefore the remaining content of handkerchiefs is effectively protected.

[0011] Fig.6A shows a modified embodiment of the pack, in which means are provided to hold the lid closed after the first use. This is obtained by a tab 7A projecting from the body of the carton 1, along the lower edge of the indentation 7. When the pack 1 is closed the tab 7A cooperates and interferes with appendages 3B inside the lid 3, so as to provide a retaining effect which opposes spontaneous opening of the lid, to further ensure the hy-

giene of the products remaining inside the pack after its first use.

[0012] Figs. 7, 8, 9 and 10 show some different structures or forms of cartons similar to the one shown and described above, all suitable to contain folded paper handkerchiefs, or other disposable folded cellulose articles, with the possibility of individual removal. 5

[0013] It is understood that the drawing shows just one example, provided merely as a practical demonstration of the invention, which can vary in its forms and arrangements, without however departing from the scope of the concept underlying the invention. The pack of disposable cellulose articles can first be wound in a flexible wrapper, such as paper or plastic film, easily tearable, before being inserted in the carton A. Alternatively or in combination, the cardboard carton 1 can be packaged in a transparent film, which is removed at the time of use. In both cases more hygienic packaging of the articles is obtained. 10 15

20

Claims

1. A pack of disposable folded cellulose articles, composed of a box-shaped cardboard container or carton forming a lid hinged along a folding line, structured similarly to a container or carton for cigarettes. 25
2. Pack as claimed in claim 1, **characterized in that** the carton has an indentation on one wall to facilitate removal of the articles, and a corresponding appendage on the lid to cover said aperture. 30
3. Pack as claimed in claim 1 or 2, **characterized in that** the articles are inserted in the pack after being packaged in an easily tearable flexible wrapper. 35
4. Pack as claimed in claim 1, 2 or 3, structured similarly to a container for ten cigarettes in two rows of five.
5. Pack as claimed in one or more of the preceding claims, **characterized in that** it comprises members to retain the lid and the closed position. 40
6. Pack as claimed in claim 5, **characterized in that** the said retaining members comprise a tab on the body of the pack cooperating with projections inside the lid. 45
7. Pack as claimed in claim 6, **characterized in that** said projections are produced in the form of appendages glued to the inside of the lid. 50

55

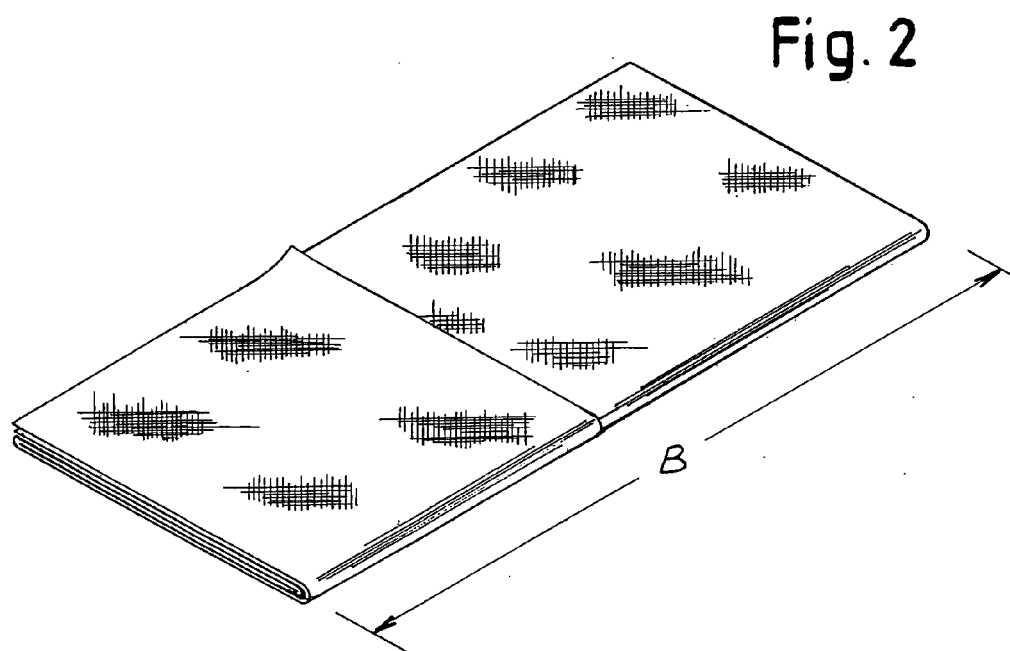
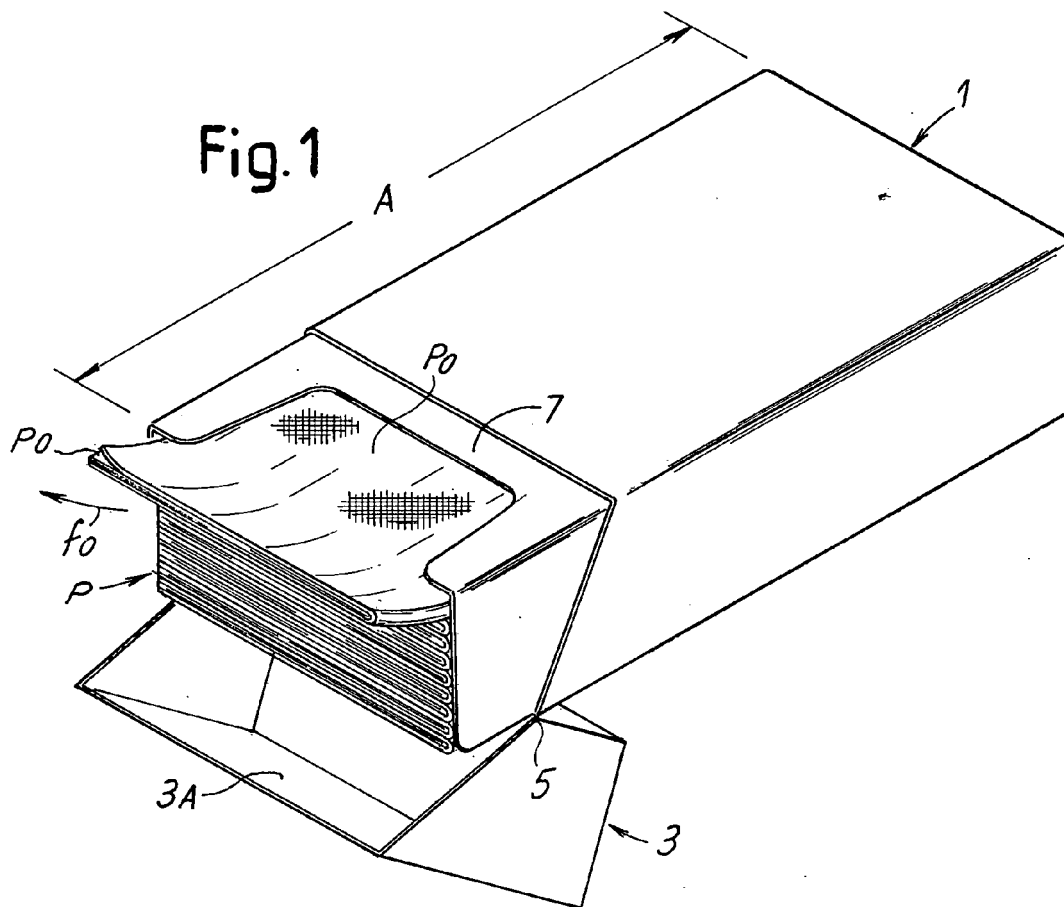


Fig. 3

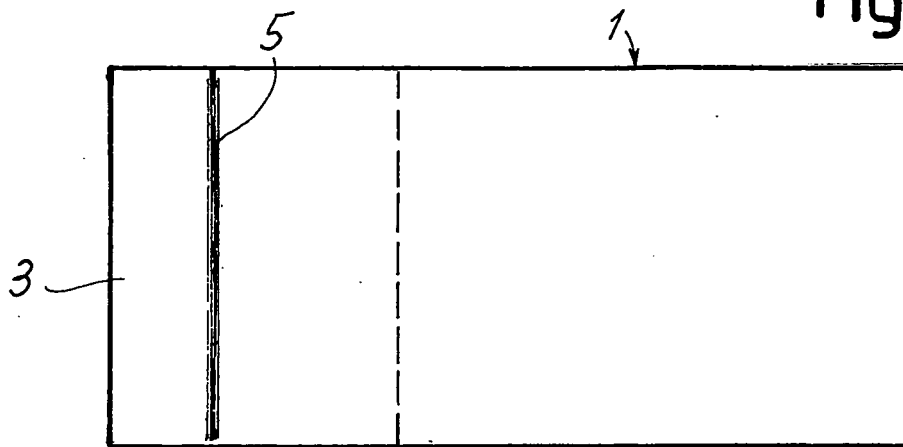


Fig. 4

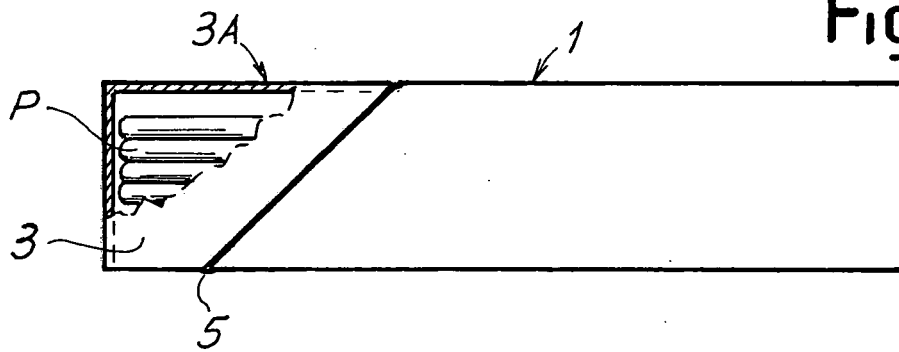
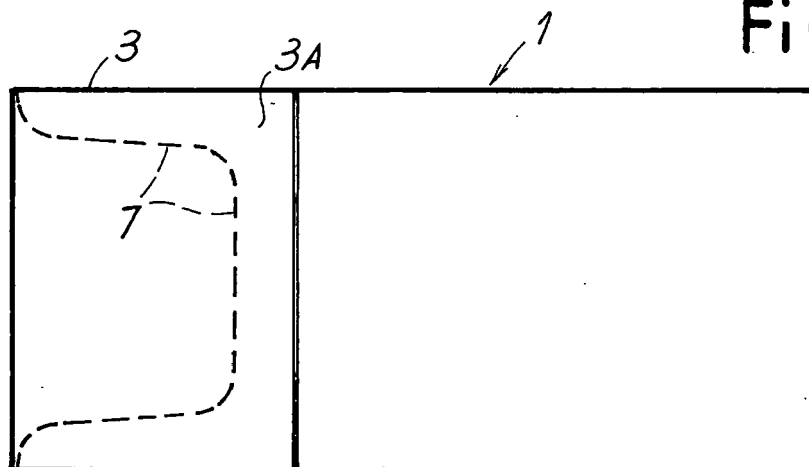


Fig. 5



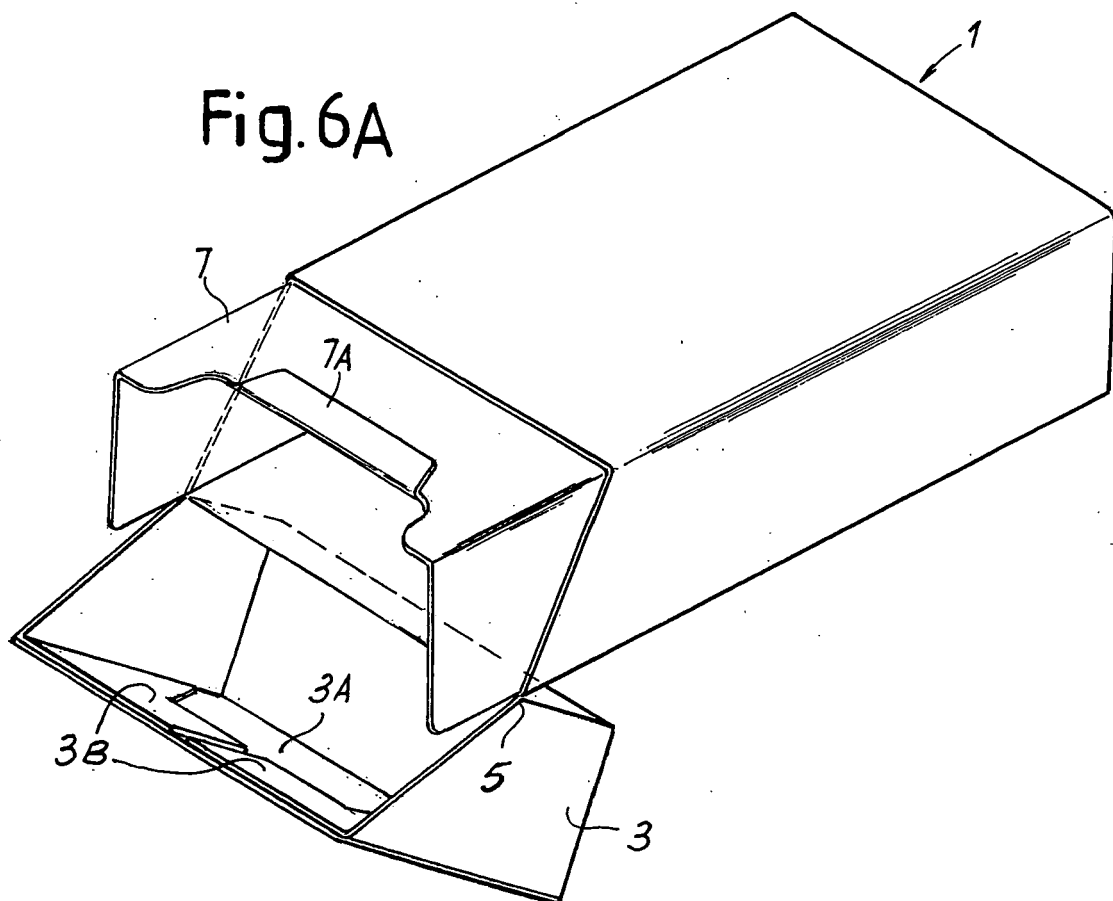
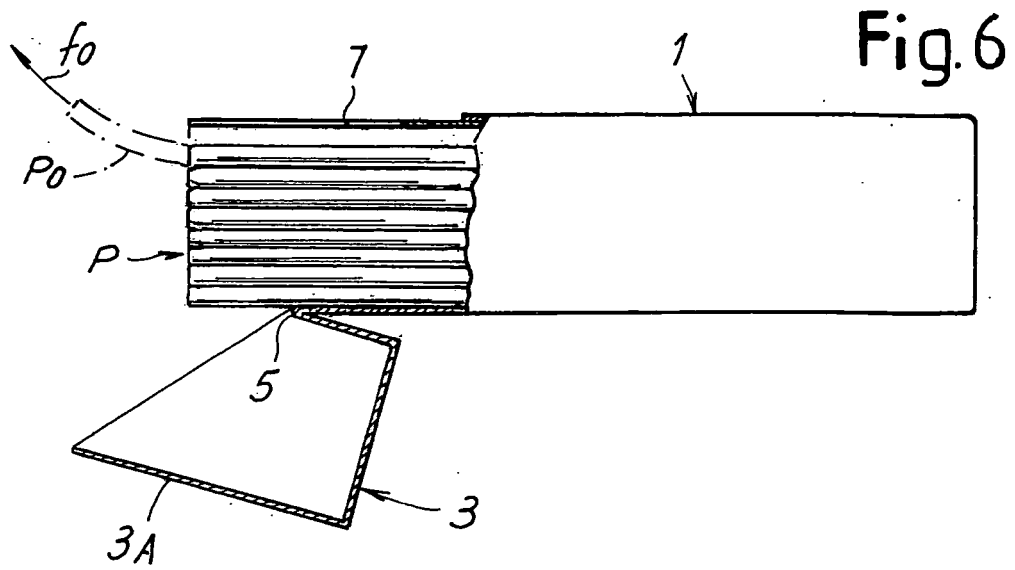


Fig.7

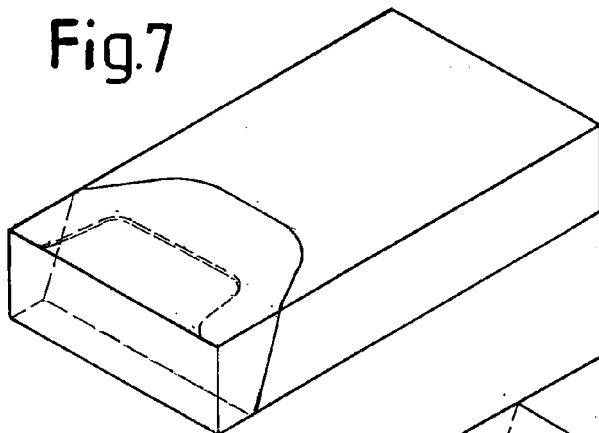


Fig.8

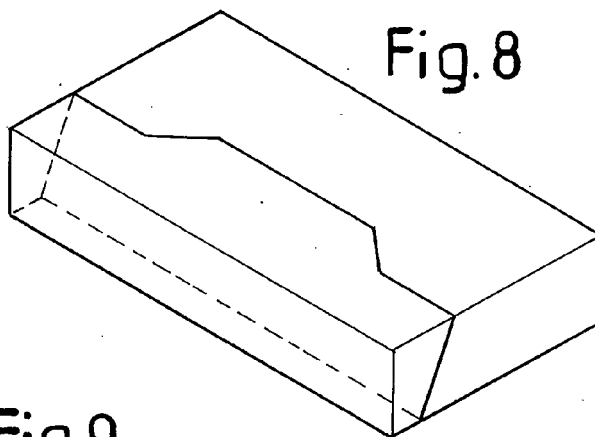


Fig.9

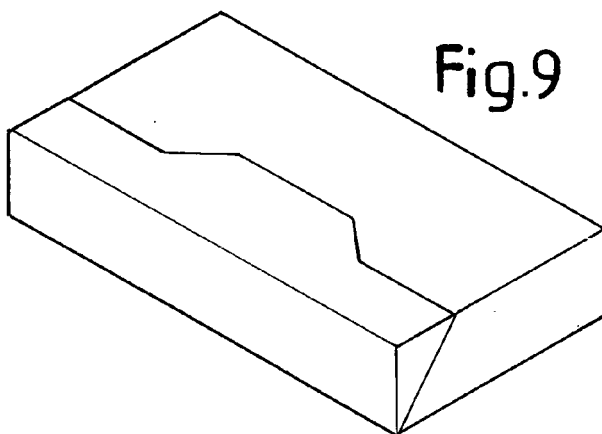
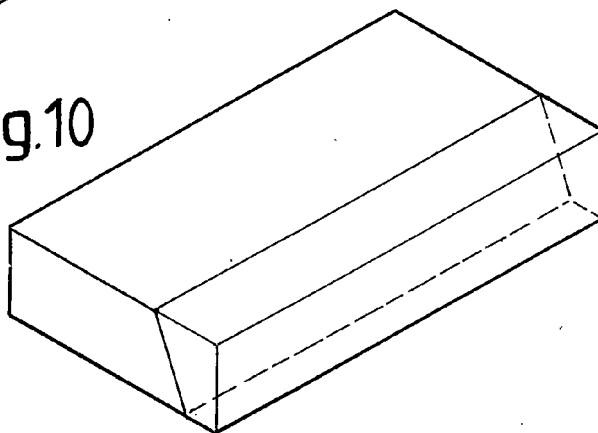


Fig.10





EUROPEAN SEARCH REPORT

Application Number
EP 08 42 5786

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2003/116614 A1 (BLOCK CHRISTINE SIEGLINDE [DE] ET AL) 26 June 2003 (2003-06-26) * paragraph [0034]; figure 3 *	1-7	INV. B65D5/66 B65D75/00 B65D5/54
Y	GB 1 338 689 A (TAYLOWE LTD) 28 November 1973 (1973-11-28) * page 1, lines 44-86; figure 2 *	2-7	
Y	EP 0 884 247 A (JAPAN TOBACCO INC [JP]) 16 December 1998 (1998-12-16) * column 6, lines 26-33; figure 4 *	2-7	
Y	US 5 265 799 A (STONE JAMES L [US]) 30 November 1993 (1993-11-30) * column 8, lines 5-25; figure 5 *	2-7	
Y	WO 2006/003387 A (RECKITT BENCKISER NV [NL]; RECKITT BENCKISER UK LTD [GB]; AYATS ARDITE) 12 January 2006 (2006-01-12) * page 13, lines 1-10; figure 3A *	2-7	
Y	WO 2006/015688 A (UNILEVER PLC [GB]; UNILEVER NV [NL]; LEVER HINDUSTAN LTD [IN]; COLE AN) 16 February 2006 (2006-02-16) * page 9, lines 13-17; figure 4 *	2-7	
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 3 March 2009	Examiner Cazacu, Corneliu
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

 1
EPO FORM 1503 03.82 (P04C01)

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

EP 08 42 5786

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

03-03-2009

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003116614 A1	26-06-2003	AU 2002357293 A1	15-07-2003
		WO 03055752 A1	10-07-2003

GB 1338689 A	28-11-1973	NONE	

EP 0884247 A	16-12-1998	CN 1206384 A	27-01-1999
		DE 69719960 D1	24-04-2003
		DE 69719960 T2	04-12-2003
		WO 9818683 A1	07-05-1998
		JP 10129656 A	19-05-1998
		US 6105856 A	22-08-2000

US 5265799 A	30-11-1993	NONE	

WO 2006003387 A	12-01-2006	AU 2005259005 A1	12-01-2006
		BR PI0512836 A	08-04-2008
		CA 2569905 A1	12-01-2006
		EP 1765680 A1	28-03-2007
		JP 2008504181 T	14-02-2008
		US 2008223912 A1	18-09-2008

WO 2006015688 A	16-02-2006	EP 1789332 A1	30-05-2007
