

**(12) PATENT**  
**(19) AUSTRALIAN PATENT OFFICE**

**(11)** Application No. **AU 199938083 B2**  
**(10)** Patent No. **755999**

(54) Title  
Package provided with a coupon and method for obtaining said package

(51)<sup>6</sup> International Patent Classification(s)  
B65D 085/10

(21) Application No: 199938083 (22) Application Date: 1999 . 05 . 26

(87) WIPO No: WO99/61348

(30) Priority Data

(31) Number	(32) Date	(33) Country
98/810491	1998 . 05 . 26	CH

(43) Publication Date : 1999 . 12 . 13  
(43) Publication Journal Date : 2000 . 02 . 24  
(44) Accepted Journal Date : 2003 . 01 . 02

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(56) Related Art  
US 5059935  
US 4836378  
EP 803450

PCT

ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE  
Bureau international

38083/aa



## DEMANDE INTERNATIONALE PUBLIÉE EN VERTU DU TRAITE DE COOPERATION EN MATIERE DE BREVETS (PCT)

(51) Classification internationale des brevets <sup>6</sup> : B65D 85/10	A1	(11) Numéro de publication internationale: WO 99/61348 (43) Date de publication internationale: 2 décembre 1999 (02.12.99)
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(21) Numéro de la demande internationale: PCT/CH99/00228

(22) Date de dépôt international: 26 mai 1999 (26.05.99)

(30) Données relatives à la priorité:  
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Berne 25 (CH).(81) Etats désignés: AE, AL, AM, AT, AT (modèle d'utilité),  
AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, DE,  
DE (modèle d'utilité), DK, DK (modèle d'utilité), EE, EE  
(modèle d'utilité), ES, FI, FI (modèle d'utilité), GB, GD,  
GE, GH, GM, HR, ID, IL, IN, IS, JP, KE, KG, KP, KR,  
KZ, LC, LK, LR, LS, LT, LU, LV, MG, MK, MN, MW,  
MX, NZ, PT, RO, SD, SE, SG, SI, SL, TJ, TM, TR, TT,  
UA, UG, US, UZ, VN, YU, ZA, ZW, brevet ARIPO (GH,  
GM, KE, LS, MW, SD, SL, SZ, UG, ZW), brevet eurasien  
(AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), brevet OAPI  
(BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE,  
SN, TD, TG).

Publiée

Avec rapport de recherche internationale.

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(54) Title: PACKAGE PROVIDED WITH A COUPON AND METHOD FOR OBTAINING SAID PACKAGE

(54) Titre: EMBALLAGE MUNI D'UN COUPON ET PROCEDE D'OBTENTION DUDIT EMBALLAGE

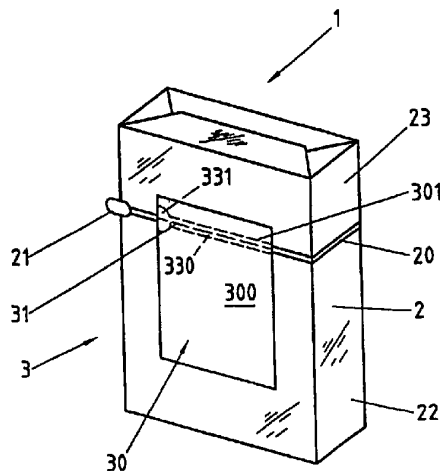
## (57) Abstract

The invention concerns a package (2) comprising an opening line (20) consisting for example of a tear strip, whereby the user opens said package to reach its contents. A coupon (3), bearing advertising information or the like is fixed on one surface of the packaged parcel. The coupon also comprises an opening line (31) for acceding to the information contained in the coupon inside pages. By juxtaposing the package opening line (20) and that of the coupon (31), the user simultaneously opens the coupon and the package.

## (57) Abrégé

L'emballage (2) comprend notamment une ligne d'ouverture (20), constituée par exemple d'une bande d'arrachage, par laquelle l'utilisateur ouvre ledit emballage afin d'accéder à son contenu. Un coupon (3), portant des indications publicitaires ou autres, est fixé sur une face du paquet emballé.

Le coupon comprend aussi une ligne d'ouverture (31) permettant d'accéder aux informations contenues dans les pages internes du coupon. En juxtaposant la ligne d'ouverture de l'emballage (20) et celle (31) du coupon, l'utilisateur ouvre simultanément le coupon et l'emballage.



**Abstract**

The wrapping (2) includes especially an opening line (20), made up of a tear tape, for example, by which the user opens said wrapping in order to gain  
5 access to its contents. A coupon (3), bearing publicity or other indications, is attached to a face of the wrapped pack. The coupon also includes an opening line (31) allowing access to the information contained on the inner pages of the coupon.

By juxtaposing the opening line of the wrapping (20) and that (31) of  
10 the coupon, the user simultaneously opens the coupon and the wrapping.

15

(Figure 1)



## Wrapping Provided with a Coupon and Process for Obtaining Said Wrapping

The present invention relates to a wrapping provided with a publicity or other coupon on at least one of its outside faces, as well as to a process permitting such a wrapping to be made.

5            Wrappings, especially but not exclusively cigarette packs, are found provided on one face with a coupon which can be opened in order to be read, said coupon bearing publicity indications, directions for use, indications for a contest, or any other appropriate indications.

            Patent US-A-5,035,935 describes a pack of cigarettes provided with  
10   such a coupon disposed under the transparent film covering the pack of cigarettes. Such an arrangement necessitates removing the transparent film completely before being able to get to the coupon. On the other hand, in view of the necessity of the transparent film, this arrangement cannot be adapted to a wrapping made up of a single layer, i.e., without the outside transparent film.  
15   Another drawback of the means proposed is that it is not possible to open the pack of cigarettes and the coupon simultaneously.

            Application EP-A-0 803 450 also describes a pack of cigarettes provided with a tax coupon under the outside transparent film. Seeing that the coupon is attached to the surface of the web of film which will be situated against  
20   the pack of cigarettes, it is necessary to provide for an additional step at the time of production of the film in order to dispose the tear tape simultaneously permitting opening of the transparent film and tearing of the tax coupon. Note that in this case, the tax coupon is not intended to be read after opening of the pack.

            A first object of the invention is therefore to propose a wrapping of one  
25   or of a plurality of packs or of objects, provided on at least one of its outside faces with a closed coupon, the means for opening the wrapping and the coupon being co-ordinated in such a way that opening of the wrapping causes simultaneous opening of the coupon.

            A second object of the invention is to permit such an arrangement to be  
30   adapted to all sorts of wrappings, especially but not exclusively to wrappings of



packs of cigarettes, of the stiff or soft type including an outside wrapping film or of the soft type made up of a single thickness, i.e., without the outer film.

A third object of the invention is to permit such an arrangement to be adapted to all sorts of coupons, e.g., coupons partially or totally covering one or  
5 two faces of the wrapping, coupons of various shapes and sizes, coupons which can contain an inner insert unfoldable in any way, coupons which can contain a detachable insert, etc.

These different objects are achieved by a wrapping possessing the characteristics of claim 1. Various embodiments or modifications are described in  
10 claims 2 to 12.

Another object of the invention is to propose at least one process for producing such a wrapping.

Two different processes are described in claims 13 and 14, modifications being described in claims 15 to 17.  
15 □

Several particular embodiments of a wrapping according to the invention or of a manufacturing process are described below, the description to be considered with reference to the accompanying drawing comprising figures in which:

20 Figure 1 represents a first embodiment of a wrapping provided with a coupon according to the invention, in a closed state,

Figure 2 represents the same wrapping as that of Figure 1 when a portion of the transparent film has been removed and the coupon is open,

Figure 3 represents another embodiment of a wrapping provided with a  
25 coupon,

Figure 4 represents still another embodiment of a wrapping provided with a coupon,



Figure 5 represents still another embodiment of a wrapping provided with a coupon,

Figures 6A and 6B are cross-sections of a first embodiment of a coupon, in closed state and in open state, respectively,

5        Figures 7A and 7B are cross-sections of another embodiment of a coupon, in closed state and in open state, respectively,

Figure 8 describes diagrammatically a first process permitting a wrapping provided with a coupon to be obtained, and

10       Figure 9 describes diagrammatically another process permitting a wrapping provided with a coupon to be obtained.

Although the figures and the following description relate to a pack of cigarettes, the concepts of pack and of wrapping must be extended to any type of wrapping of any product on which a coupon can be disposed according to one or the other of the ways described. The shape of the wrapping need also not be that of a parallelepiped as shown, but may be of a different shape, e.g., circular  
15       cylindrical.

In Figure 1 there is a pack of cigarettes 1, e.g., of the stiff type, covered with a film 2 of a preferably transparent material such as cellophane, polypropylene, or any other material customarily used for this purpose. Here the  
20       pack 1 is provided with a coupon 3 disposed on one of its faces, outside the film 2. The outside face 30 of the coupon 3 is visible and may bear a logo, a publicity indication, or any other indication. At the time of the sale of the pack 1, the coupon 3 must be closed; it must be possible to open it to read the information it contains or to get to its contents only at the time of or after opening of the pack 1.  
25       The way in which the coupon 3 is closed is described in detail below with reference to the explanations concerning Figure 6A.

For opening the pack 1, the film 2 is conventionally provided here with a tear tape 20, integrated in the film 2 and going around the side faces of the pack 1, one end of the tear tape 20 being provided with a tear tongue 21, shown here  
30       unfolded for being grasped. The coupon 3 is provided with a line 31, the mechanical resistance of which is weakened, e.g., by successive perforations, this



line of weakened resistance 31 being disposed essentially parallel to and facing a portion of the tear tape 20. The line of weakened resistance separates the coupon 3 into two portions, a first portion 300, the larger one, which is attached to the portion 22 of the film 2 which will remain on the pack 1 after its opening, and a second portion 301 which is attached to the portion 23 of the film 2 which will be removed at the time of opening of the pack 1, then disposed of. Thus, in view of the congruence of the line 31 on the tear tape 20, at the time of opening of the pack 1 by pulling on the tear tape 20 to remove the upper portion 23 of the film 2, the coupon 3 is opened simultaneously, permitting the user to get to the information it contains.

Figure 2 shows the same pack when the tear tape 20 and the upper portion 23 of the film 2 have been removed, leaving the lower portion 22 of the film 2 on the pack 1, to which portion the coupon 3 is attached. The upper portion 10 of the pack 1 may now be opened conventionally to get to the cigarettes or other objects it contains. Simultaneously, the faces or inside pages 302 and 303 of the coupon 3 which could not be reached previously when the wrapping was closed are now accessible by unfolding the coupon 3 about a fold 32.

Figure 3 shows another embodiment of a pack of cigarettes 1, the wrapping 4 of which is obtained from a single sheet of a single layer, as described in patent EP-B-0 633 201, for example. Such a wrapping relating to a soft-type pack of cigarettes does not include the film 2 of the previous wrapping. Such a wrapping may be provided with a tear tape 40 and with a tear tongue 41. The coupon 3 is shown here in essentially circular shape but might also be of a different shape, including a fold 32 for opening as previously, as well as a line of weakened resistance 31.

In the above embodiments, it is noted that the top face of the pack 1 includes the folded closures of the film 2 for the embodiment of Figure 1, or of the wrapping blank 4 for the embodiment of Figure 3. Such an arrangement of a face prevents disposing the tear tape there in view of the superimposition of the folded layers. Nevertheless, if it is desired to dispose a coupon 3 on a face of the pack 1 comprising folds of the film or of the wrapping sheet as, for example, the top face or the bottom face, it is possible to fit out the pack 1 as shown in Figure 4, i.e., by providing that the tear tape 20 is disposed close to the edge of the top face and attaching the main portion 300 of the coupon 3 essentially to the top face, while



the portion 301 is folded down on a side face so that the line of weakened resistance 31 is superimposed on a portion of the tear tape 20.

Figure 5 shows still another embodiment of a coupon 3 which here opens into two sections. The coupon 3 shown here essentially covers a whole face of the pack 1. The tear tape 20 is no longer disposed close to an edge of the coupon 3 but in a more central position, so that the coupon opens into two opposing sections. In the example shown in the figure, the tear tape 20 has been removed, which has torn the line of pre-weakened resistance 31 of the coupon 3 and permitted the two sections to be opened. It is not necessary for the two portions 300 and 301 of the coupon 3 to be of equal size; one or the other of the two said portions may be larger than the other. Similarly, it is not obligatory for the coupon 3 to be disposed so that the opening line 31 is parallel to the folding line 32; by disposing these two lines at a certain angle to one another, the two sections may be given different shapes. The portion 301 attached to the portion 23 of the wrapping to be disposed of may, for example, adhere there so that it can easily be partially or totally detached therefrom, or else contain a detachable self-adhesive insert 35. According to a modification of this embodiment, the portion 300 of the coupon is disposed on a frontal or lateral face of the pack, while the portion 301 is disposed on a top face of the pack, as shown in Figure 4. Such a modification is particularly well adapted to a soft-type, single-layer pack, as described above.

Figures 6A and 6B, as well as 7A and 7B, show, in section, two possible embodiments of a coupon 3.

In Figure 6A, the coupon 3 is formed of a leaf, folded about a folding line forming a fold 32, the portion 320 of the coupon 3 opposite the fold 32 being closed, e.g., by a closure means, e.g., a spot or a line of glue 321, or by crimping, so as to keep the coupon closed before opening of the wrapping. It is also possible, instead of a folded leaf, to have two leaves assembled along the line 32, as well as on the opposite portion 320. The line 31 of pre-weakened resistance, e.g., a pre-cut line laid out on the two superimposed portions of the leaf, is here disposed close to this closure line 321, the line of weakened resistance 31 separating the coupon 3 into a main portion 300 and another portion 301. The face of this assembly, opposite the face 30 which is visible on the outside of the pack 1, is glued at least partially to a corresponding portion of the film 2, so that the line of pre-weakened resistance 31 is parallel to and approximately





superimposed on a portion of the tear tape 20, the main portion 300 of the coupon 3 is superimposed on the portion 22 of the film 2 which will subsequently remain on the pack 1, and the other portion 301 of the coupon 3 bearing the closure line 321 is superimposed on the portion 23 of the film 2 which will be removed after opening of the pack 1. Preferably, the face of the coupon 3 to be glued on the film 2 is self-adhesive, but it is also possible to provide for a few gluing spots or lines 33. For good opening of the coupon 3, it is necessary that at least the portion 331 (cf. Figure 1) of coupon 3, bearing the end of the line of pre-weakened resistance 31 at which the opening of the coupon 3 is started, be well glued by the gluing line 330 to the corresponding portion of the film 2 bearing the tear strip 20. In this way, when the user removes the tear strip 20, the corresponding portion of the coupon 3 remains attached thereto, and its opening is facilitated.

Figure 6B shows the same coupon 3 after its opening, and the opening of the film 2, respectively. For this purpose, the user has pulled on the tear tape 20, separating the film 2 into its two portions 22 and 23. The main portion 300 of the coupon 3 remains attached to the portion 22 of the film 2 which remains on the pack 1, whereas the portion 301 of the coupon 3 is disposed of with the portion 23 of the film 2. In view of the opening of the line of pre-weakened resistance, it now becomes possible to open the coupon 3 by unfolding it about the fold 32 and to read the information contained on the inner pages 302 and 303 of the coupon 3.

As indicated above with reference to Figure 5, it is not necessary for the line of pre-weakened resistance 31 to be disposed close to the portion 320 of the coupon, but it may be disposed at any location between this portion and the fold 32.

Figure 7A shows a coupon 3 according to another embodiment. The coupon 3 is essentially made up and is attached exactly in the same way as that described just previously, except that a second leaf 34 folded, e.g., in accordion pleats, and attached by gluing 340 to a portion of the face 303 of the first leaf near the fold 32. The length of each folded page of the leaf 34 is such that these pages do not intercept the line of pre-weakened resistance 31 of the first leaf. As previously, after opening of the pack and of the coupon 3, it is possible to get to the pages 341 to 346 of the leaf 34 in addition to the pages 302 and 303 of the first leaf.



As a modification, it is possible to dispose a self-adhesive insert 35 on any one of the pages 341 to 346 or 302 and 303; this self-adhesive insert may represent points to be collected, a voucher for participation in a contest or a lottery, or any other object of the same kind; said insert 35 can be unstuck when the coupon 3 is open. Such an insert may obviously be provided for on a coupon according to the first embodiment described.

The embodiments described of a coupon 3 disposed on a film 2 are obviously also valid for the same coupon 3 disposed on a wrapping sheet 4 as in the embodiment of the wrapping of Figure 3.

Figures 6A and B, as well as 7A and B, show two possible embodiments of a coupon 3 among numerous possibilities; in particular, the coupon 3 may be made up of more than two leaves, possibly folded or glued in a different way from what has been shown; each leaf may include a number of pages other than what has been described; the make-up of the coupon 3 may be different, e.g., in the form of a little booklet rather than of pages unfoldable in accordion pleats. The length and width dimensions of the coupon 3 are essentially determined by those of the face of the pack 1 to which the coupon 3 will be glued. It is seen in Figures 1 and 3 that the coupon covers a portion of a frontal face, whereas the coupon of Figure 5 completely covers a face and that of Figure 4 partially covers two adjacent faces. Figure 3 shows that the coupon 3 may be of a shape other than square or rectangular. The line of weakened resistance 31 may be of any appropriate type, e.g., a tear strip, a perforated line, or a line of locally reduced thickness. Preferably, the coupon 3 closed as indicated previously and provided with its line of pre-weakened resistance 31, provided with a self-sticking adhesion layer or not, is obtained as is from the coupon manufacturer to be applied to the wrapping as described below.

As concerns the wrapping, it has been stated that it may be a hard-type or soft-type wrapping, covered with a outside protective film or not, not exclusively intended to wrap cigarettes or other products of the tobacco industry. In fact, from the foregoing description, it is understood that a coupon 3, according to any one of the described or possible embodiments, may be disposed on the outermost layer of any type of wrapping comprising an opening means similar to a tear tape. It may, as described, have to do with the wrapping of some sort of products of the tobacco industry, of the food industry, or another industry; the wrapping concerned here may be an outside wrapping which wraps a plurality of packs or



objects of any shape, such as a wrapping of a carton of cigarettes, for example. The possible opening means of the wrapping capable of functioning as described may be slightly different from what has been described, e.g., the tear tape 20 or 40 may be replaced by a tear thread disposed inside the wrapping and following the same path as described for the tear strip. It may also be a line of pre-  
 5 weakened resistance, obtained for instance by successive perforations or, more generally, by a reduction of the mechanical resistance to traction along a given line of the wrapping, e.g., a local reduction of thickness of the wrapping sheet obtained by any known means.

10 Several processes can be envisaged permitting such a wrapping provided with a coupon 3 to be obtained.

□

Figure 8 shows very diagrammatically a first example of a process for obtaining a wrapping provided with a coupon according any of the embodiments  
 15 or modifications described. This process is based on the fact that the coupon 3 is to be placed on the outside of the wrapping and that it may therefore be placed on the pack 1 of which the wrapping is finished.

On a machine portion 5 on which the packs 1 circulate, e.g., on an endless belt 50, in the direction indicated by the arrow, there is a distributor 51,  
 20 known per se, equipped with a reservoir filled with coupons 3. A sensor 53, e.g., a photoelectric cell, permits detection of the presence and position of a pack 1 within the radius of action of the distributor 51 and, via the control unit 54, controls the actuating of the distributor 51 in order for it to place a coupon 3 on the pack 1 detected, according to a position calculated so as to cause the line of pre-  
 25 weakened resistance of the coupon 3 to correspond to that of the wrapping of the pack 1. If the back of the coupon 3 is self-adhesive, it adheres directly to the wrapping. If not, a supplementary device 55 for applying spots of glue, lines of glue, or a glued surface is also controlled by the control unit 54 in order to prepare the gluing on a pack 1 before application of the coupon 3.

30 The advantage of this process is that the equipment necessary is of a very simple design, not cumbersome, and may be installed on any portion of a machine 5 where the packs 1 circulate as described. It may even be installed on a simple installation for the transfer of packs 1.



Figure 9 also shows very diagrammatically another example of a process for obtaining a wrapping provided with a coupon according to any of the embodiments or modifications described. In this case, the coupon 3 is disposed on the wrapping portion before it is applied to the object or pack to be wrapped.

5           The machine portion 6 shown here is, for example, the portion of a machine for preparation of a wrapping starting from a web 200 of the material intended to form the wrapping, said web being unrolled from a reel not shown in the figure. Drive means, also not shown, drive the web 200 in the direction indicated by the arrow. A cutting means, diagrammed as the rotary cutter 61 and  
10 the counter-roller 610, sequentially cuts the web 200 in order to form the blanks intended to become the wrappings 2. Actuating of the rotary cutter 61 is controlled by the control unit 75. After cutting of the web 200, the blanks are treated in a manner known per se so that each constitutes a wrapping 2. The first line of pre-weakened resistance 20 has generally already been made  
15 longitudinally on the web 200.

          The device described above is supplemented here by a placing arm 7 known per se, used here for placing coupons 3. The placing arm 7 includes means for supporting a first reel 70 of a tape 71 to which the coupons 3 adhere temporarily, being disposed one after the other on the tape 71, slightly spaced  
20 from one another. The placing arm 7 also includes means for supporting a second reel 72 responsible for winding up the tape 71 after the coupons 3 have been detached from it in a manner known per se within the placing arm 7. Each coupon 3 detached is then brought, by pneumatic or other means, onto a placing finger 73 placed in immediate proximity to the portion of the web 200 in movement  
25 immediately preceding the rotary cutter 61, the placing finger 73 applying the coupon 3 to said portion, in such a way that the line of pre-weakened resistance 31 of the coupon is placed facing the first line of pre-weakened resistance existing on the web 200 by a correct lateral keying of the placing finger 73 relative to the width of the web 200. A plane support surface 74 may be provided on the other  
30 side of said portion in order to offer a stable support at the time of this operation. As previously, the coupon 3 may be self-adhesive, or else glue-placing means similar to those described above may be provided for causing the coupon 3 to adhere to the web 200. The control unit 75 ensures the synchronization of the action of the placing finger 73 with the rotary cutter 61 so that each coupon 3 is placed correctly, i.e., that its placement position along the web 200 corresponds



to the location corresponding to the face of the finished wrapping on which it is to be placed.

This example of a process for placing the coupon 3 is solely illustrative of a way of applying the coupon 3 to a web 200 of the product intended to constitute the wrapping. Other devices for treatment of a web 200 are known, all  
5 generally being able to be equipped with a placement arm 7, synchronized with some means of the machine so as to align the two lines of pre-weakened resistance and to position the coupon on the web.

It is obviously also possible to equip an installation for transferring  
10 wrapped packs, as shown in Figure 8, with a placing arm 7 as shown in Figure 9, just as it is also possible to equip the installation for preparing a wrapping from a web, shown in Figure 9, with a distributor 51 as shown in Figure 8.

Tests have shown that for good simultaneous opening of the wrapping and the coupon, it is not absolutely necessary for the two lines of pre-weakened  
15 resistance, of the coupon and of the wrapping, to be exactly superimposed, a certain lateral positioning tolerance on the order of 1 mm being permissible and/or preferred.

Although the embodiment has been described in relation to the coupon  
3, any form of information or decorative flyer can be used in place of, or in  
20 combination with, a coupon.



### Claims

1. Wrapping of a pack (1) or of one or of a plurality of objects, said wrapping being made up especially of an outside wrapping sheet (2, 4) provided with an opening means made up especially of a first opening line (20, 40) disposed on at least one face of said wrapping, characterized in that a closed coupon and/or flyer (3) is attached to at least a portion of at least one outer face of said outside wrapping sheet, said coupon and/or flyer being provided with a second opening line (31) disposed so that the opening of the wrapping causes a simultaneous opening of the coupon and/or flyer.
2. Wrapping according to claim 1, characterized in that the coupon and/or flyer (3) is made up of at least one leaf folded along at least one folding line (32), the portion (320) of said leaf opposite the folding line being closed, said second opening line (31) being disposed between the folding line (32) and said closed opposite portion (320), the coupon and/or flyer (3) being attached to the wrapping in such a way that said second opening line (31) is disposed parallel and in immediate proximity to at least one portion of said first opening line (20, 40), said coupon and/or flyer including a first portion (300) disposed between the folding line (32) and the second opening line (31), as well as a second portion (301) disposed between the second opening line (31) and said closed opposite portion (320), said first portion (300) of the coupon and/or flyer being attached to a first portion (22) of the wrapping, while said second portion (301) of the coupon and/or flyer is attached to a second portion (32) of the wrapping.
3. Wrapping according to one of the claims 1 or 2, characterized in that the first opening line is made up of a tear tape (20, 40).
4. Wrapping according to one of the claims 1 or 2, characterized in that the first opening line is made up of a first line of weakened mechanical resistance, as well as of a tear thread superimposed on said opening line and disposed on the inner face of said outside wrapping sheet.
5. Wrapping according to one of the preceding claims, characterized in that the second opening line (31) is made up of a second line of weakened mechanical resistance.



6. Wrapping according to one of the claims 4 or 5, characterized in that the first and/or the second line of weakened resistance is made up of a perforated line.

7. Wrapping according to one of the claims 4 or 5, characterized in that the first and/or the second line of weakened resistance is made up of a line of reduced thickness.

8. Wrapping according to one of the preceding claims, characterized in that at least a portion (300, 301) of the coupon and/or flyer (3) is attached to a side face of the wrapping.

9. Wrapping according to claim 8, characterized in that a portion (300, 301) of the coupon and/or flyer (3) is attached to an end face of the wrapping.

10. Wrapping according to one of the preceding claims, characterized in that the coupon and/or flyer (3) includes an inside insert (34) capable of being unfolded after opening of the coupon and/or flyer and of the wrapping, respectively.

11. Wrapping according to one of the preceding claims, characterized in that the coupon and/or flyer (3) includes a detachable inside insert (35).

12. Wrapping according to one of the preceding claims, characterized in that at least the portion (331) of the face of the coupon and/or flyer (3) applied to the wrapping (2, 4), including the end of the second opening line (31) at which the opening of the coupon and/or flyer will be started, is glued to said wrapping.

13. Process for producing a wrapping according to one of the preceding claims, characterized in that at a location of a machine (5) where the wrapped packs (1) circulate in a given direction, a sensor (53) for detecting the position of a pack indicates to a coupon and/or flyer-applying means (51, 7), disposed facing the pack to which the coupon and/or flyer is to be applied, to apply said coupon and/or flyer to said wrapped pack.

14. Process for producing a wrapping according to one of the claims 1 to 12, characterized in that on a wrapping-preparation machine (6) on which a web (200) of the material intended to make up said wrapping circulates in a given



direction, a coupon and/or flyer-applying means (51, 7) sequentially applies a coupon and/or flyer (3) to a corresponding portion of said web (200), said application being controlled by a control unit (75) capable of synchronizing the application of the coupon and/or flyer (3) with some means of the wrapping-  
5 preparation machine (6).

15. Process according to one of the claims 13 or 14, characterized in that the coupon and/or flyer-applying means is a coupon and/or flyer distributor (51).

16. Process according to one of the claims 13 or 14, characterized in that the coupon and/or flyer-applying means is a placing arm (7) bearing a support  
10 tape (71) to which the coupon and/or flyers (3) are successively, non-permanently attached, said placing arm being provided with means for detaching the coupon and/or flyer from said support tape and for applying said coupon and/or flyer.

17. Process according to one of the claims 15 or 16, characterized in that a glue applicator (55) applies one or more spots, one or more lines, or a surface  
15 of glue to the wrapping before application of the coupon and/or flyer (3) to said wrapping or said web (200).

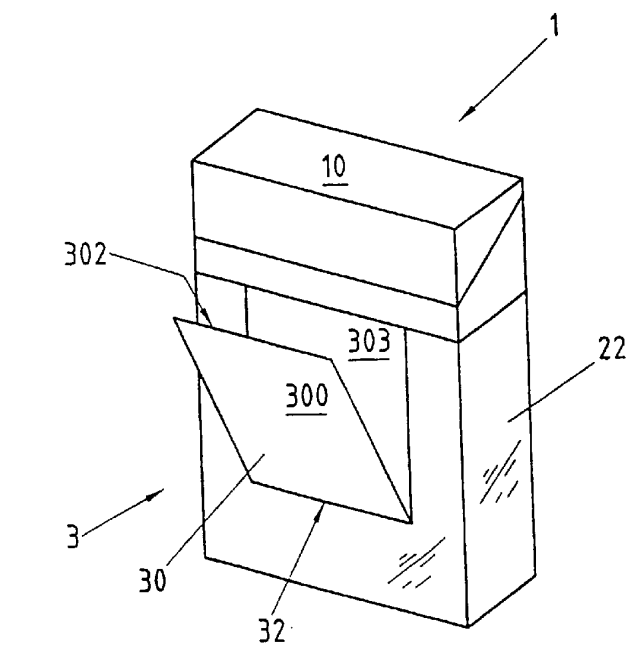
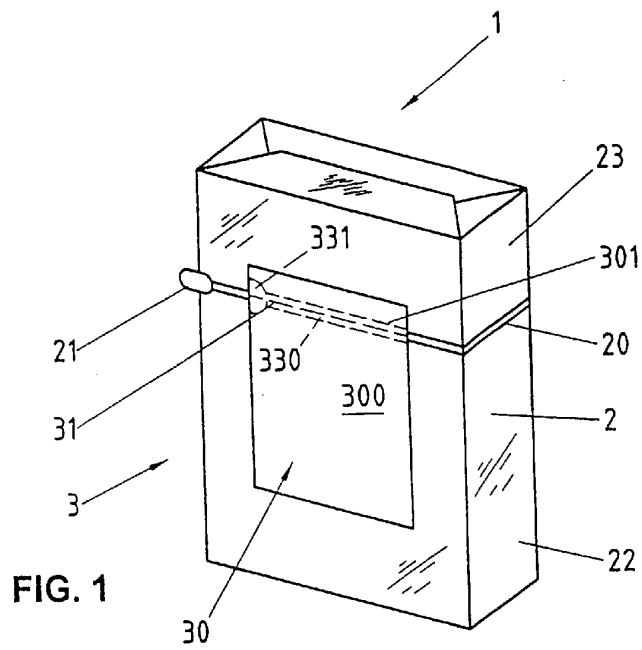
18. Carton wrapping a plurality of packs of products of the tobacco industry provided with a wrapping according to one of the claims 1 to 12.

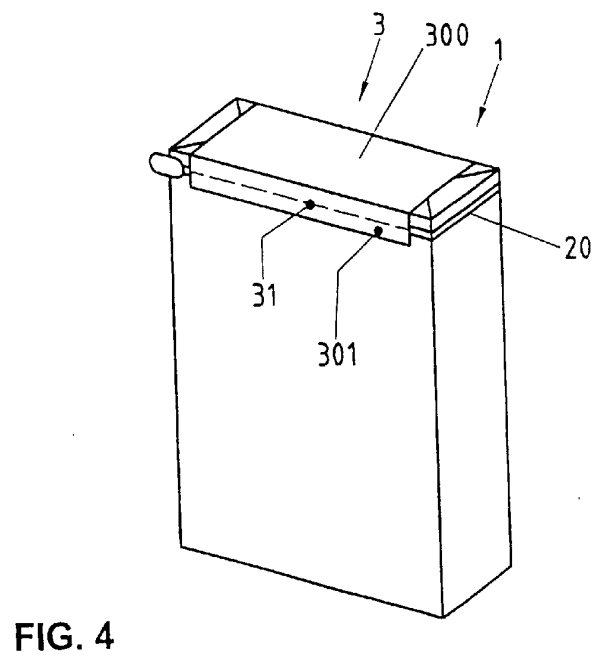
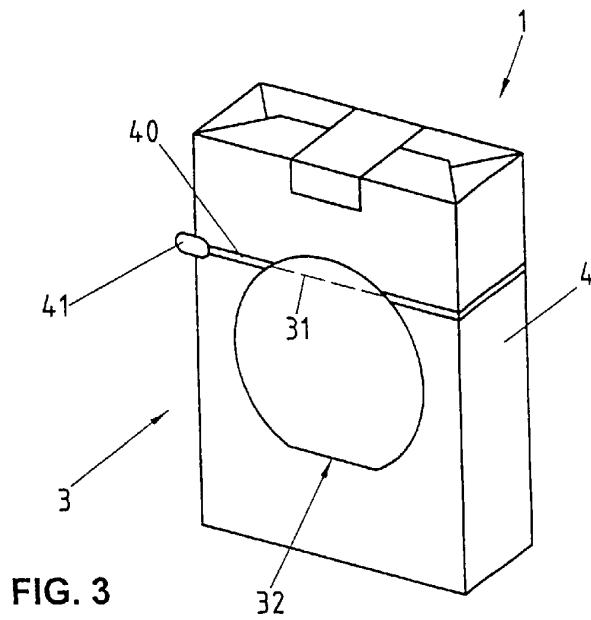
19. Pack of products of the tobacco industry provided with a wrapping  
20 according to one of the claims 1 to 12.

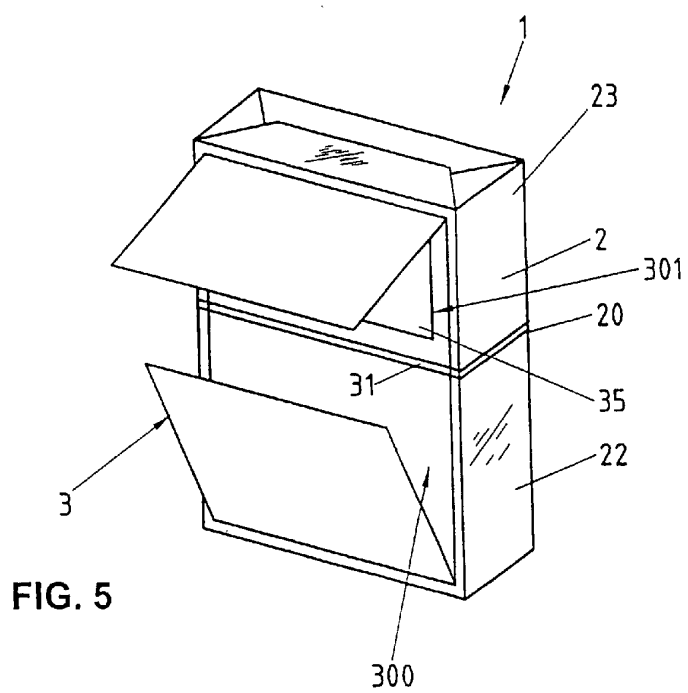
20. Wrapping according to one of the claims 1 to 12, characterized in that it is intended to wrap one or more packs or products of the food industry.

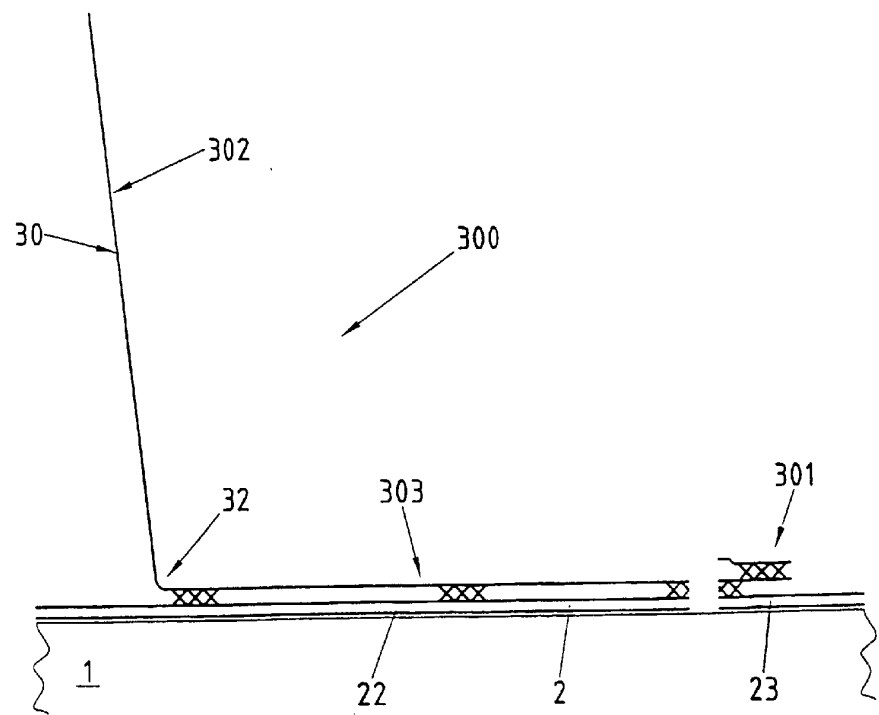
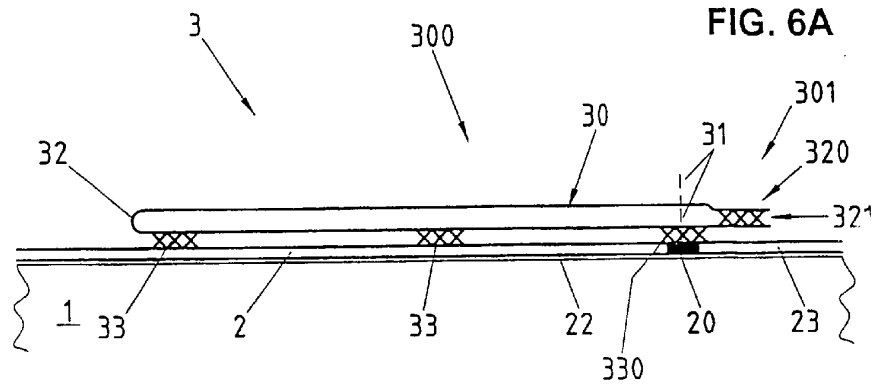












**FIG. 6B**

FIG. 7A

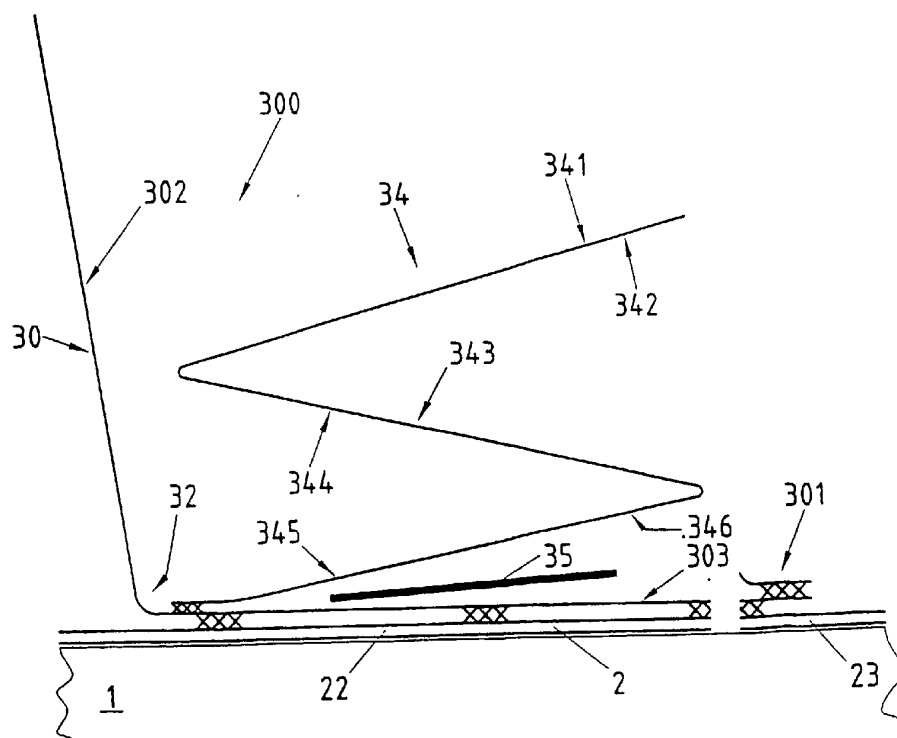
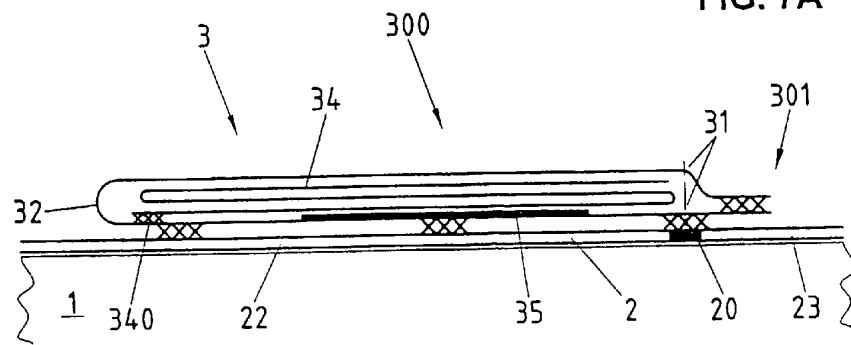


FIG. 7B

