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(54) **RIGID PACKET OF TOBACCO PRODUCTS AND METHOD FOR MANUFACTURING THE SAME**  
 STARRE VERPACKUNG FÜR TABAKPRODUKTE UND VERFAHREN ZU IHRER HERSTELLUNG  
 EMBALLAGE RIGIDE POUR PRODUITS DE TABAC ET SON PROCÉDÉ DE FABRICATION

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(56) References cited:  
**EP-A1- 1 373 097 WO-A1-98/22367**  
**WO-A1-99/28212 US-A- 4 526 317**  
**US-A1- 2016 368 645**

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**Description**TECHNICAL FIELD

**[0001]** The present invention relates to a rigid packet of smoking articles and to a method for manufacturing the same. In particular, the packet object of the present invention is a packet having a flavoured wrap in order to flavour the smoking articles contained therein.

PRIOR ART

**[0002]** A rigid packet of smoking articles is known from the document EP1373097, which comprises a group of cigarettes, a first rigid container that contains the cigarettes and comprises a cigarette extraction opening and a second rigid container which is of the hinged lid type and contains the first container. Said known packet, at the cigarette extraction opening, provides a resealable label that is fixed to the first container and is movable between an open position, in which access to the smoking articles is allowed through the extraction opening, and a closed position, in which it closes the extraction opening preventing the access to the smoking articles.

**[0003]** As requested more and more frequently by the market, in this type of packet there is the need to have the cigarettes in contact with a paper material (to best preserve them) and, at the same time, to flavour the same with a flavour, for example menthol.

**[0004]** However, it is difficult to flavour the first container as it is rigid. Furthermore, assuming that the first container, or rather the blank from which the first container is to be obtained, can be flavoured, it would be necessary to seal the blank until it is used.

**[0005]** The patent application WO9822367A1 and the patent application WO9928212A1 describe a packet of cigarettes comprising a rigid container provided with a hinged lid and a soft wrap which is housed inside the rigid container and is provided with a cigarette extraction opening engaged by a resealable label. The soft wrap is obtained by folding a sheet of soft wrapping material around a group of cigarettes, the sheet is completely devoid of pre-weakened folding lines; in order to give greater stiffness to the soft wrap, a rigid reinforcement element is arranged inside the soft wrap and around the group of cigarettes.

DESCRIPTION OF THE INVENTION

**[0006]** Therefore, it is an aim of the present invention to provide a rigid packet of smoking articles, and a respective manufacturing method, which overcome the aforementioned drawbacks.

**[0007]** The aforementioned aim has been achieved by means of a rigid packet of smoking articles and a method for manufacturing the same according to the appended claims.

BRIEF DESCRIPTION OF THE DRAWINGS

**[0008]** The present invention will now be described with reference to the annexed drawings, which illustrate a non-limiting embodiment, wherein:

- Figures 1 and 2 are perspective views, front and rear, respectively, of the packet of the present invention in a closed configuration;
- Figure 3 is a front perspective view of the packet of Figure 1 in an open configuration;
- Figure 4 is a view of the first container of the packet of Figure 1;
- Figure 5 is a perspective view of the group of smoking articles and the wrap of the packet of Figure 1;
- Figure 6 is a perspective view of the group of smoking articles and the wrap in an alternative embodiment to that shown in Figure 5;
- Figure 7 is a plan view of the sheet of material for forming the wrap of Figure 5;
- Figure 8 is a section view of the sheet of Figure 7, along the section VIII-VIII;
- Figure 9 is a plan view of the blank for manufacturing the first container of Figure 4;
- Figure 10 is a section view of the blank of Figure 9, along the section X-X;
- Figures 11 and 12 are embodiments of the blank for manufacturing the first container which are alternatives to the blank of Figure 9.

PREFERRED EMBODIMENTS OF THE INVENTION

**[0009]** With reference to the attached figures, a rigid packet of smoking articles according to the present invention has been denoted generally with the reference numeral 1.

**[0010]** The term "smoking articles" refers to articles relating to the tobacco field such as cigarettes, cigars, electronic cigarettes or tobacco pieces for heat-not-burn (HNB) type of articles. Generally, a smoking article is a tubular element having a longitudinal development axis.

**[0011]** With reference to the attached figures, a preferred embodiment of the packet 1 of the present invention is described in the following.

**[0012]** The packet 1 comprises: a group of smoking articles 2; a first rigid container 3 containing the group of smoking articles 2 and comprising an extraction opening 30 for extracting the smoking articles 2 from the first container 3; a resealable label 4 that is fixed to the first container 3 and is movable between an open position A, in which access to the smoking articles 2 is allowed through the extraction opening 30, and a closed position B, in which it closes the extraction opening 30 preventing the access to the smoking articles 2; a second rigid container 6 that comprises a containing portion 60, that contains the first container 3 and comprises an opening 61 from which the first container 3 protrudes, and a lid 62 that is hinged to the containing portion 60 and is movable for

opening and closing the opening 61 of the containing portion 60.

**[0013]** The first container 3 is made of a rigid multilayer material that comprises a first layer 3a which is internal and which is made of a paper material and a second layer 3b which is made of aluminium. The multilayer material that forms the first container 3 is rigid, i.e. it resists the action of external forces which tend to deform the same; consequently, once folded by 90°, the rigid multilayer material, which forms the first container 3, irreversibly strains along the folding line.

**[0014]** Moreover, the packet 1 comprises a wrap 5 that is flavoured, is arranged inside the first container 3 and partially wraps the group of smoking articles 2 so as not to be visible from the extraction opening 30 of the first container 3, (also) when the label 4 is in the open position A.

**[0015]** Advantageously, the proposed packet 1 ensures that a paper material is in contact (preferably entirely) with the group of smoking articles 2 and, at the same time, allows to flavour the group of smoking articles 2 by means of the wrap 5.

**[0016]** With reference to Figure 5, the group of smoking articles 2 has a parallelepiped shape and comprises a front wall 20 and a rear wall 21 parallel and opposed to one another, a first flank 22 and a second flank 23 parallel and opposed to one another, a bottom wall 24 (at which the tobacco-containing end of the cigarettes is preferably arranged) and an upper wall 25 parallel and opposed to one another (at which the filtering material end of the cigarettes is preferably arranged).

**[0017]** With reference to Figure 4, the first rigid container 3 also has a parallelepiped shape. Said first container 3 comprises a front wall 31 (which faces the front wall 20 of the group of smoking articles 2), a rear wall 32 opposite and parallel to the front wall 31 (and which faces the rear wall 21 of the group of smoking articles 2), a first side wall 33 (which faces the first flank 22 of the group of smoking articles 2), a second side wall 34 (which faces the second flank 23 of the group of smoking articles 2), a bottom wall 35 (which faces the bottom wall 24 of the group of smoking articles 2) and an upper wall 36 (which faces the upper wall 25 of the group of smoking articles 2).

**[0018]** In particular, the extraction opening 30 is formed at the upper wall 36 and at the front wall 31 of the first container 3. With reference to Figure 4, the extraction opening 30 is defined by a through opening (the edge of which is denoted with reference numeral 30a) in the first container 3. In other words, the first container 3 has a removed part delimited by the edge 30a which defines the extraction opening 30. The resealable label 4 is fixed to the first container 3 at the extraction opening 30, to completely cover the extraction opening 30, by means of a re-stick glue (which adheres around the edge 30a) that allows to attach and detach the label 4, several times, to and from the first container 3.

**[0019]** According to an alternative and not illustrated embodiment, the extraction opening 30 may be defined

by a movable flap defined in the first container 3 by means of a cut line having, for example, a U-shape. In this case, the label 4 is glued to the flap of the first container 3 in a non-removable manner (so that at each opening of the label 4 the flap remains fixed to the label 4) and is fixed around the cut line by means of a re-stick glue so that the label 4 can be attached and detached, several times, to and from the first container 3 while remaining always fixed to the movable flap.

**[0020]** With reference to Figure 9, the blank 3' is shown, starting from which the first container 3, illustrated in Figure 4, is obtained. The blank 3' of Figure 9 comprises two longitudinal pre-weakened folding lines (i.e. parallel to the development of blank 3') and a plurality of transversely pre-weakened folding lines (i.e. orthogonal to the development of the blank 3') which define, between the two longitudinal pre-weakened folding lines, a panel 31" which forms the upper part of the wall front 31 of the first container 3, a panel 35' which forms the upper wall 35 of the first container 3, a panel 32' which forms the rear wall 32 of the first container 3, a panel 36' which forms the bottom wall 39 of the first container 3, and a panel 31" which forms the lower part of the front wall 31 of the first container 3.

**[0021]** According to a preferred but non-binding embodiment, the panel 31" is partially superimposed on the panel 31 to form the front wall 31 of the first container 3. According to other embodiments not shown, the lower edge of the panel 31" is flush with the upper edge of the panel 31 or, alternatively, the lower edge of the panel 31" is spaced apart from the upper edge of the panel 31.

**[0022]** Moreover, with further reference to Figure 9, the blank 3' comprises: a pair of fins 33", 34" which are connected to opposite sides of the panel 31" along the two longitudinal pre-weakened folding lines and form part of the first side wall 33 and of the second side wall 34, respectively, of the first container 3; a pair of fins 33"', 34"' that are connected to opposite sides of the panel 32' along the two longitudinal pre-weakened folding lines and form part of the first side wall 33 and of the second side wall 34, respectively, of the first container 3; a pair of fins 33', 34' which are connected to opposite sides of the panel 31' along the two longitudinal pre-weakened folding lines and form part of the first side wall 33 and of the second side wall 34, respectively, of the first container 3.

**[0023]** Moreover, the blank 3' comprises a pair of fins 37 which are connected to the panel 35' along the two longitudinal pre-weakened folding lines and are folded by 90° relative to the panel 35' to oppose the fins 33"', 34"', 34'''. The blank 3' comprises, furthermore, a pair of fins 38 which are connected to the fins 33"', 34"' along a transverse pre-weakened folding line and are folded by 90° with respect to the corresponding fins 33"', 34"' to rest against the panel 36'.

**[0024]** With reference to Figures 11 and 12, alternative embodiments of the blank 3' of Figure 9 to obtain the first container 3 of the packet 1 object of the present invention

are illustrated.

**[0025]** In particular, the blank 3' of Figure 11 differs from that of Figure 9 only with reference to the pair of fins 38: in the blank 3' of Figure 11 the pair of fins 38 is connected to the panel 36' along the two longitudinal pre-weakened folding lines and are folded by 90° relative to the panel 36' to oppose the fins 33", 34".

**[0026]** With reference to the blank 3' of Figure 12, it instead, differs from that of Figure 11 in that the first container 3 obtained has a front wall 31 formed by a single panel 31' and a rear wall 32 formed by two panels 32', 32".

**[0027]** As previously stated, the multilayer material that forms the first container 3 (i.e. that forms the blank 3') is rigid and once folded by 90° it irreversibly is bent along the folding line. Consequently, the blank 3' must be previously provided with a plurality of longitudinal and transverse pre-weakened folding lines so as to be able to be folded precisely around the group of smoking articles 2. The longitudinal and transverse pre-weakened folding lines are obtained by a plastic (i.e. permanent and irreversible) deformation of the material that is previously bent along the pre-weakened folding lines.

**[0028]** Preferably, the first container 3 does not provide glue between the respective walls that form the same.

**[0029]** As stated, the first container 3 is made of a multilayer material comprising a first layer 3a which is internal and which is made of a paper material and a second layer 3b which is made of aluminium (in other words, the first layer 3a and the second layer 3b form a foil coating). Advantageously, the group of smoking articles 2 is arranged in contact with the first layer 3a of paper material and contained within the second aluminium layer 3b; therefore, optimal conservation of the group of smoking articles 2 is ensured.

**[0030]** Moreover, the first container 3 can comprise a third layer 3c which is external and which can be, for example, made of cardboard or paperboard (it can then be painted or plasticized externally). With particular reference to Figure 10, the layers of the blank 3' of Figure 9 are illustrated.

**[0031]** The second container 6 can be made starting from a blank (not illustrated because of a known type) made of cardboard or paperboard. Moreover, even this blank can be made of a multilayer material.

**[0032]** With reference to Figure 3, the resealable label 4 is fixed to the lid 62 of the second container 6 at a corresponding end edge. In this way, when the lid 62 is opened by the smoker, the label 4 is automatically moved from the closed position B to the open position A. According to a not illustrated embodiment, the label 4 could not be fixed to the lid 62; in this case, after opening the lid 62 the smoker should manually move the label 4 from the closed position B to the open position A.

**[0033]** With reference to Figure 5, the wrap 5 comprises (is formed by) a sleeve portion 50 which wraps the group of smoking articles 2 at the front wall 20, at the rear wall 21, at the first flank 22 and at the second flank 23.

**[0034]** Advantageously, this conformation of the wrap

5 allows a minimum use of packaging material.

**[0035]** The sleeve portion 50 of the wrap 5 comprises a first end 50a and a second end 50b which are superimposed to one another. In other words, the sleeve portion 50 of the wrap 5 forms a closed loop around the group of smoking articles 2. Preferably the first end 50a and the second end 50b are not glued together (advantageously, no glue, which could contaminate the group of smoking articles 2, is provided). Alternatively, the first end 50a and the second end 50b could be glued together.

**[0036]** With further reference to Figure 5, the first end 50a and the second end 50b of the sleeve portion 50 of the wrap 5 are superimposed at the first flank 22 of the group of smoking articles 2. According to embodiments not illustrated, the first end 50a and the second end 50b of the sleeve portion 50 of the wrap 5 could be superimposed at any other wall of the group of smoking articles 2.

**[0037]** Moreover, according to the embodiment illustrated in Figure 6, the sleeve portion 50 of the wrap 5 may not provide for the first end 50a and the second end 50b to be superimposed. In this case, the first end 50a and the second end 50b may be flush or spaced apart (for example by a few mm) from one another (Figure 6).

**[0038]** Preferably, the wrap 5 comprises at least one paper layer 51 which is in contact with the group of smoking articles 2. Advantageously, the group of smoking articles 2 is completely wrapped in a paper material (in part of the wrap 5 and in part of the first container 3) and this ensures an optimal maintenance of the group of smoking articles 2.

**[0039]** In particular, according to the preferred embodiment, the wrap 5 comprises a paper layer 51 (which is flavoured) and an aluminium layer 52 (in other words, the wrap 5 is made of foil). Advantageously, the conservation of the group of smoking articles 2 is further optimized.

**[0040]** Preferably, the paper layer 51 is menthol flavoured. Alternatively, this paper layer 51 could be flavoured with any other flavour.

**[0041]** With reference to Figure 7 the sheet 5' of wrapping material, starting from which the wrap 5 of Figure 5, is obtained is illustrated. In order to obtain the wrap 5, the sheet 5' is wound around the group 2 of smoking articles.

**[0042]** According to an embodiment not illustrated, the wrap 5 could comprise a sleeve portion and a bottom wall from which the sleeve portion 50 rises and which faces the bottom wall 24 of the group of smoking articles 2. According to said embodiment, the wrap 5 would be cup-shaped.

**[0043]** A method for manufacturing a rigid packet 1 of smoking articles 2, according to any of the embodiments described above, is described in the following.

**[0044]** Said method comprises the steps of:

- providing a group of smoking articles 2;
- partially wrapping the group of smoking articles 2 with a flavoured sheet 5' of wrapping material to form

- a wrap 5;
- folding a first blank 3' so as to form a first rigid container 3 designed to contain the group of smoking articles 2 and the wrap 5, the which first blank 3' comprises an extraction opening and is in a multi-layer material that comprises a first layer 3a which is made of a paper material and a second layer 3b which is made of aluminium;
- fixing a resealable label 4 to the first blank 3' or to the first container 3 (preferably at the extraction opening 30), which is movable between an open position A, in which access to the smoking articles 2 is allowed through the extraction opening 30, and a closed position B, in which it closes the extraction opening 30 preventing the access to the smoking articles 2 (preferably, this step is performed by fixing the label 4 to the first blank 3' i.e. before folding the first blank 3' in order to form the first container 3; alternatively, the label 4 could be fixed to the first container 3, i.e. after the folding of the first blank 3');
- arrange the group of smoking articles 2 and the wrap 5 inside the first container 3 so that the wrap 5 is not visible from the extraction opening 30 of the first container 3, (also) when the label 4 is in the open position A (in particular, the step of folding the first blank 3' is performed by folding the first blank 3' around the group of smoking articles 2 and the wrap 5);
- folding a second blank so as to form a second rigid container 6 which comprises a containing portion 60, designed to contain the first container 3 and comprising an opening 61 from which the first container 3 can protrude, and a lid 62 which is hinged to the containing portion 60 and which is movable to open and close the opening 61 of the containing portion 60;
- arranging the first container 3 inside the containing portion 60 of the second container 6 (in particular, the step of folding the second blank is carried out by folding said second blank around the first container 3).

**[0045]** The sheet 5' of wrapping material can be obtained starting from a reel, i.e. by cutting a strip of wrapping material. In particular, before partially wrapping the group of smoking articles 2 with the flavoured sheet 5' of wrapping material, the method can comprise the steps of: providing a sheet 5' of wrapping material (for example, feeding a strip of wrapping material from a reel and cutting said strip to form the sheet 5' of wrapping material); flavour the sheet 5' of wrapping material (in particular, the paper layer 51).

## Claims

1. A rigid packet (1) of smoking articles (2), comprising:
  - a group of smoking articles (2);

a first rigid container (3) that contains the group of smoking articles (2), comprises an extraction opening (30) to extract the smoking articles (2) from the first container (3), and is formed by a blank (3') which has a plurality of longitudinal and transverse pre-weakened folding lines and is folded around the group of smoking articles (2);

a resealable label (4) which is fixed to the first container (3) and movable between an open position (A), in which access to the smoking articles (2) is allowed through the extraction opening (30), and a closed position (B), in which it closes the extraction opening (30) preventing the access to the smoking articles (2);

a second rigid container (6) which comprises a containing portion (60), containing the first container (3) and that comprises an opening (61) from which the first container (3) protrudes, and a lid (62) which is hinged to the containing portion (60) and movable to open and close the opening (61) of the containing portion (60);

the packet (1) **being characterized in that:**

the first container (3) is made of a rigid multilayer material that comprises a first layer (3a) which is internal and is made of a paper material and a second layer (3b) which is made of aluminium; and

comprises a flavoured wrap (5) arranged in the first container (3) and which partially wraps the group of smoking articles (2) so as not to be visible from the extraction opening (30) of the first container (3) when the label (4) is in the open position (A) .

2. The packet (1) according to claim 1, wherein the group of smoking articles (2) has a parallelepiped shape and comprises a front wall (20) and a rear wall (21) parallel and opposed to one another, a first flank (22) and a second flank (23) parallel and opposed to one another, a bottom wall (24) and an upper wall (25) parallel and opposed to one another.
3. The packet (1) according to claim 2, wherein the wrap (5) comprises a sleeve portion (50) which wraps the group of smoking articles (2) at the front wall (20), at the rear wall (21), at the first flank (22) and at the second flank (23).
4. The packet (1) according to claim 3, wherein the sleeve portion (50) of the wrap (5) comprises a first end (50a) and a second end (50b) which are superimposed to one another.
5. The packet (1) according to claim 4, wherein the first end (50a) and the second end (50b) of the sleeve portion (50) of the wrap (5) are superimposed to one

another at the first flank (22) of the group of smoking articles (2).

6. The packet (1) according to any one of the claims from 3 to 5, wherein the wrap (5) comprises a bottom wall from which the sleeve portion (50) rises and which faces the bottom wall (24) of the group of smoking articles (2). 5
7. The packet (1) according to any one of the preceding claims, wherein the wrap (5) comprises at least one paper layer (51) which is arranged in contact with the group of smoking articles (2) . 10
8. The packet (1) according to claim 7, wherein the paper layer (51) of the wrap (5) is flavoured, in particular menthol flavoured. 15
9. A method for manufacturing a rigid packet (1) of smoking articles (2), comprising the steps of: 20
- providing a group of smoking articles (2);
  - partially wrapping the group of smoking articles (2) with a flavoured sheet (5') of wrapping material to form a wrap (5); 25
  - folding a first blank (3') having a plurality of longitudinal and transverse pre-weakened folding lines so as to form a first rigid container (3) designed to contain the group of smoking articles (2) and the wrap (5), the which first blank (3') comprises an extraction opening (30) of the smoking articles (2) and is made of a multilayer material that comprises a first layer (3a) which is made of a paper material and a second layer (3b) which is made of aluminium; 30
  - fixing a resealable label (4) to the first blank (3') or to the first container (3) which is movable between an open position (A), in which access to the smoking articles (2) is allowed through the extraction opening (30), and a closed position (B), in which it closes the extraction opening (30) preventing the access to the smoking articles (2); 35
  - arranging the group of smoking articles (2) and the wrap (5) inside the first container (3) so that the wrap (5) is not visible from the extraction opening (30) of the first container (3), when the label (4) is in the open position (A); 40
  - folding a second blank so as to form a second rigid container (6) that comprises a containing portion (60), designed to contain the first container (3) and comprising an opening (61) from which the first container (3) can protrude, and a lid (62) which is hinged to the containing portion (60) and is movable to open and close the opening (61) of the containing portion (60); and 45
  - arranging the first container (3) inside the containing portion (60) of the second container (6). 50

## Patentansprüche

1. Starre Packung (1) von Rauchartikeln (2), umfassend:

eine Gruppe Rauchartikel (2);  
 einen ersten starren Behälter (3), der die Gruppe Rauchartikel (2) enthält, der eine Entnahmeöffnung (30) zum Entnehmen der Rauchartikel (2) aus dem ersten Behälter (3) umfasst, und der durch einen Zuschnitt (3') gebildet ist, der mehrere längs und quer verlaufende vorgeschwächte Falllinien aufweist und um die Gruppe Rauchartikel (2) gefaltet ist;  
 eine lösbares Etikett (4), das an dem ersten Behälter (3) fixiert ist und zwischen einer offenen Position (A), in der ein Zugriff auf die Rauchartikel (2) durch die Entnahmeöffnung (30) möglich ist, und einer geschlossenen Position (B), in der es die Entnahmeöffnung (30) verschließt, um den Zugriff auf die Rauchartikel (2) zu verhindern, bewegbar ist;  
 einen zweiten starren Behälter (6), der einen Aufnahmeabschnitt (60) umfasst, der den ersten Behälter (3) enthält und der eine Öffnung (61), aus der der erste Behälter (3) vorsteht, und einen Deckel (62), der an dem Aufnahmeabschnitt (60) angelenkt ist und bewegbar ist, um die Öffnung (61) des Aufnahmeabschnitts (60) zu öffnen und zu schließen, umfasst;  
 wobei die Packung (1) **dadurch gekennzeichnet ist, dass:**

der erste Behälter (3) aus einem starren mehrlagigen Material hergestellt ist, das eine erste Lage (3a), die innen liegt und aus einem Papiermaterial hergestellt ist, und eine zweite Lage (3b), die aus Aluminium hergestellt ist, umfasst; und  
 eine aromatisierte Hülle (5) umfasst, die in dem ersten Behälter (3) angeordnet ist und die die Gruppe Rauchartikel (2) teilweise so umhüllt, dass sie von der Entnahmeöffnung (30) des ersten Behälters (3) nicht sichtbar ist, wenn sich das Etikett (4) in der offenen Position (A) befindet.

2. Packung (1) nach Anspruch 1, wobei die Gruppe Rauchartikel (2) eine Parallelepipipedform aufweist und eine vordere Wand (20) und eine hintere Wand (21), die parallel sind und einander gegenüber liegen, eine erste Seite (22) und eine zweite Seite (23), die parallel sind und einander gegenüber liegen, eine untere Wand (24) und eine obere Wand (25), die parallel sind und einander gegenüber liegen, umfasst. 55
3. Packung (1) nach Anspruch 2, wobei die Hülle (5)

einen Hülsenabschnitt (50) umfasst, der die Gruppe Rauchartikel (2) an der vorderen Wand (20), an der hinteren Wand (21), an der ersten Seite (22) und an der zweiten Seite (23) umhüllt.

4. Packung (1) nach Anspruch 3, wobei der Hülsenabschnitt (50) der Hülle (5) ein erstes Ende (50a) und ein zweites Ende (50b) umfasst, die übereinanderliegen.

5. Packung (1) nach Anspruch 4, wobei das erste Ende (50a) und das zweite Ende (50b) des Hülsenabschnitts (50) der Hülle (5) auf der ersten Seite (22) der Gruppe Rauchartikel (2) übereinanderliegen.

6. Packung (1) nach einem der Ansprüche 3 bis 5, wobei die Hülle (5) eine untere Wand umfasst, von der der Hülsenabschnitt (50) ansteigt, und die der unteren Wand (24) der Gruppe Rauchartikel (2) zugewandt ist.

7. Packung (1) nach einem der vorhergehenden Ansprüche, wobei die Hülle (5) wenigstens eine Papierlage (51), die in Kontakt mit der Gruppe Rauchartikel (2) angeordnet ist, umfasst.

8. Packung (1) nach Anspruch 7, wobei die Papierlage (51) der Hülle (5) aromatisiert, insbesondere mit Menthol aromatisiert ist.

9. Verfahren zum Herstellen einer starren Packung (1) von Rauchartikeln (2), umfassend die Schritte:

- Bereitstellen einer Gruppe Rauchartikel (2);
- teilweises Umhüllen der Gruppe Rauchartikel (2) mit einem aromatisierten Bogen (5') Einwickelmaterial, um eine Hülle (5) zu bilden;
- Falten eines ersten Zuschnitts (3'), der mehrere längs und quer verlaufende vorgeschwächte Faltlinien hat, um einen ersten starren Behälter (3) zu bilden, der ausgelegt ist, die Gruppe Rauchartikel (2) und die Hülle (5) zu enthalten, wobei der erste Zuschnitt (3') eine Entnahmeöffnung (30) für die Rauchartikel (2) umfasst und aus einem mehrlagigen Material hergestellt ist, das eine erste Lage (3a), die aus einem Papiermaterial hergestellt ist, und eine zweite Lage (3b), die aus Aluminium hergestellt ist, umfasst;
- Fixieren eines lösbaren Etiketts (4) an dem ersten Zuschnitt (3') oder an dem ersten Behälter (3), das zwischen einer offenen Position (A), in der ein Zugriff auf die Rauchartikel (2) durch die Entnahmeöffnung (30) möglich ist, und einer geschlossenen Position (B), in der es die Entnahmeöffnung (30) verschließt, um den Zugriff auf die Rauchartikel (2) zu verhindern, bewegbar ist;
- Anordnen der Gruppe Rauchartikel (2) und der

Hülle (5) im Inneren des ersten Behälters (3), so dass die Hülle (5) von der Entnahmeöffnung (30) des ersten Behälters (3) nicht sichtbar ist, wenn sich das Etikett (4) in der offenen Position (A) befindet;

- Falten eines zweiten Zuschnitts, um einen zweiten starren Behälter (6) zu bilden, der einen Aufnahmeabschnitt (60) umfasst, der ausgelegt ist, den ersten Behälter (3) zu enthalten und der eine Öffnung (61), aus der der erste Behälter (3) vorstehen kann, und einen Deckel (62), der an dem Aufnahmeabschnitt (60) angelenkt ist und bewegbar ist, um die Öffnung (61) des Aufnahmeabschnitts (60) zu öffnen und zu schließen, umfasst; und

- Anordnen des ersten Behälters (3) im Inneren des Aufnahmeabschnitts (60) des zweiten Behälters (6).

## Revendications

1. Paquet rigide (1) d'articles à fumer (2) comprenant :

- un groupe d'articles à fumer (2) ;
  - un premier contenant rigide (3) qui contient le groupe d'articles à fumer (2), comprend une ouverture d'extraction (30) pour extraire les articles à fumer (2) du premier contenant (3), et est formé par une découpe (3') qui a une pluralité de lignes de pliage pré-affaiblies longitudinales et transversales et est pliée autour du groupe d'articles à fumer (2) ;
  - une étiquette refermable (4) qui est fixée sur le premier contenant (3) et mobile entre une position ouverte (A), dans laquelle l'accès aux articles à fumer (2) est autorisé par l'ouverture d'extraction (30), et une position fermée (B), dans laquelle elle ferme l'ouverture d'extraction (30) empêchant l'accès aux articles à fumer (2) ;
  - un second contenant rigide (6) qui comprend une partie de confinement (60), contenant le premier contenant (3) et qui comprend une ouverture (61) à partir de laquelle le premier contenant (3) fait saillie, et un couvercle (62) qui est articulé à la partie de confinement (60) et mobile pour ouvrir et fermer l'ouverture (61) de la partie de confinement (60) ;
- le paquet (1) étant **caractérisé en ce que** :

le premier contenant (3) est réalisé avec un matériau multicouche rigide qui comprend une première couche (3a) qui est interne et est réalisée à partir de papier et une seconde couche (3b) qui est réalisée à partir d'aluminium ; et  
comprend une enveloppe parfumée (5) agencée dans le premier contenant (3) et

- qui enveloppe partiellement le groupe d'articles à fumer (2) afin de ne pas être visible par l'ouverture d'extraction (30) du premier contenant (3) lorsque l'étiquette (4) est dans la position ouverte (A). 5
2. Paquet (1) selon la revendication 1, dans lequel le groupe d'articles à fumer (2) a une forme parallélépipède et comprend une paroi avant (20) et une paroi arrière (21) parallèles et opposées l'une par rapport à l'autre, un premier flanc (22) et un second flanc (23) parallèles et opposés l'un par rapport à l'autre, une paroi inférieure (24) et une paroi supérieure (25) parallèles et opposées l'une par rapport à l'autre. 10
3. Paquet (1) selon la revendication 2, dans lequel l'enveloppe (5) comprend une partie de manchon (50) qui enveloppe le groupe d'articles à fumer (2) au niveau de la paroi avant (20), au niveau de la paroi arrière (21), au niveau du premier flanc (22) et au niveau du second flanc (23). 20
4. Paquet (1) selon la revendication 3, dans lequel la partie de manchon (50) de l'enveloppe (5) comprend une première extrémité (50a) et une seconde extrémité (50b) qui sont superposées l'une par rapport à l'autre. 25
5. Paquet (1) selon la revendication 4, dans lequel la première extrémité (50a) et la seconde extrémité (50b) de la partie de manchon (50) de l'enveloppe (5) sont superposées l'une par rapport à l'autre, au niveau du premier flanc (22) du groupe d'articles à fumer (2). 30
6. Paquet (1) selon l'une quelconque des revendications 3 à 5, dans lequel l'enveloppe (5) comprend une paroi inférieure à partir de laquelle la partie de manchon (50) monte et qui fait face à la paroi inférieure (24) du groupe d'articles à fumer (2). 35
7. Paquet (1) selon l'une quelconque des revendications précédentes, dans lequel l'enveloppe (5) comprend au moins une couche de papier (51) qui est agencée en contact avec le groupe d'articles à fumer (2). 45
8. Paquet (1) selon la revendication 7, dans lequel la couche de papier (51) de l'enveloppe (5) est parfumée, en particulier parfumée avec du menthol. 50
9. Procédé pour fabriquer un paquet rigide (1) d'articles à fumer (2) comprenant les étapes consistant à :
- prévoir un groupe d'articles à fumer (2) ; 55
  - envelopper partiellement le groupe d'articles à fumer (2) avec une feuille parfumée (5') de matériau d'emballage afin de former une enveloppe (5) ;
  - plier une première découpe (3') ayant une pluralité de lignes de pliage pré-affaiblies longitudinales et transversales afin de former un premier contenant rigide (3) conçu pour contenir le groupe d'articles à fumer (2) et l'enveloppe (5), laquelle première découpe (3') comprend une ouverture d'extraction (30) d'articles à fumer (2) et est réalisée avec un matériau multicouche qui comprend une première couche (3a) qui est réalisée avec du papier et une seconde couche (3b) qui est réalisée avec de l'aluminium ;
  - fixer une étiquette refermable (4) sur la première découpe (3') ou sur le premier contenant (3) qui est mobile entre une position ouverte (A), dans laquelle l'accès aux articles à fumer (2) est autorisé par l'ouverture d'extraction (30), et une position fermée (B), dans laquelle elle ferme l'ouverture d'extraction (30) empêchant l'accès aux articles à fumer (2) ;
  - agencer le groupe d'articles à fumer (2) et l'enveloppe (5) à l'intérieur du premier contenant (3), de sorte que l'enveloppe (5) n'est pas visible par l'ouverture d'extraction (30) du premier contenant (3), lorsque l'étiquette (4) est dans la position ouverte (A) ;
  - plier une seconde découpe afin de former un second contenant rigide (6) qui comprend une partie de confinement (60), conçue pour contenir le premier contenant (3) et comprenant une ouverture (61) à partir de laquelle le premier contenant (3) peut faire saillie, et un couvercle (62) qui est articulé par rapport à la partie de confinement (60) et est mobile pour ouvrir et fermer l'ouverture (61) de la partie de confinement (60) ; et
  - agencer le premier contenant (3) à l'intérieur de la partie de confinement (60) du second contenant (6).

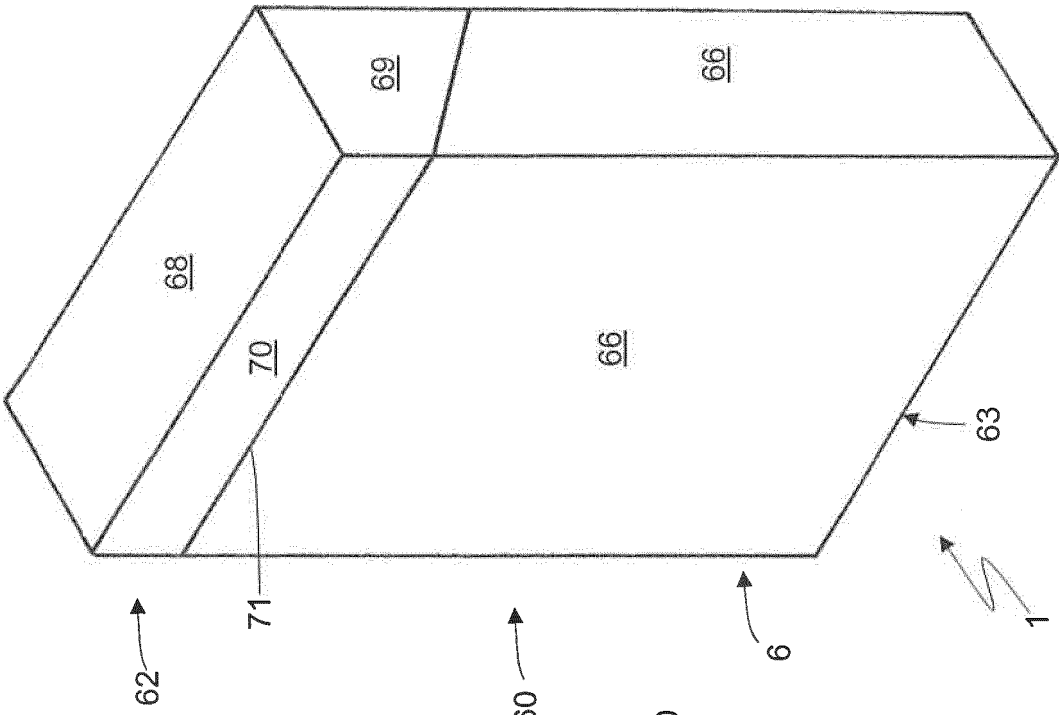


Fig.1

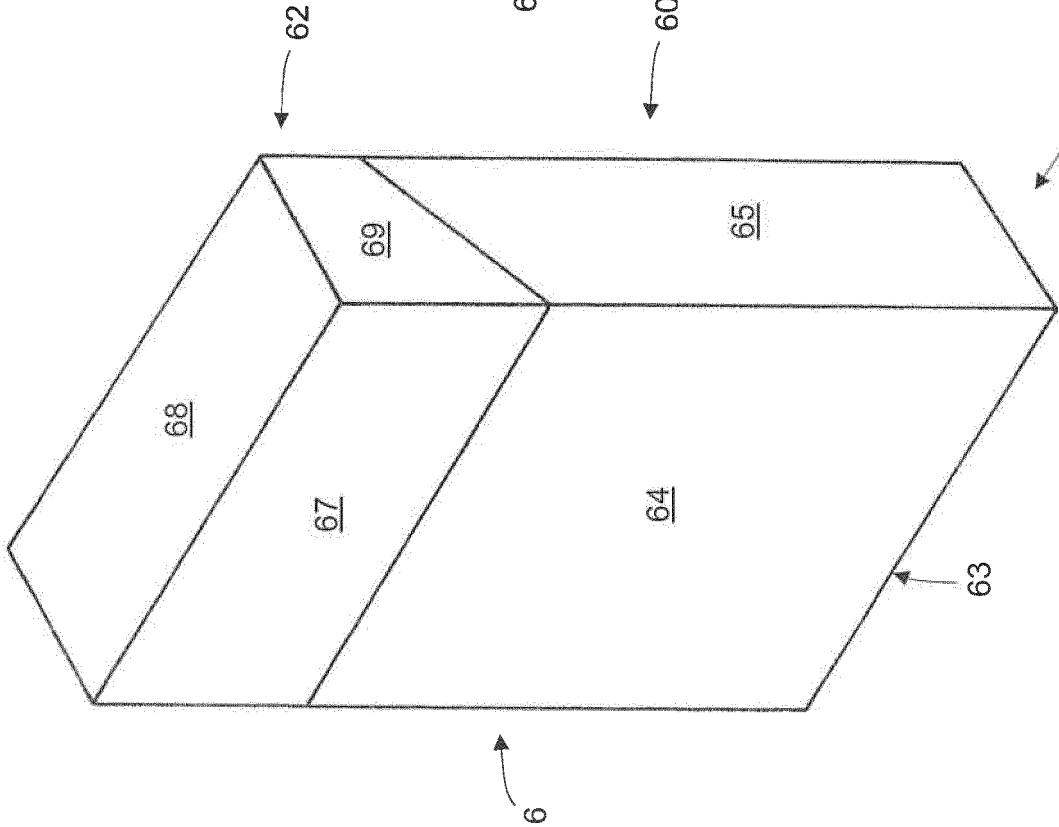


Fig.2

Fig.3

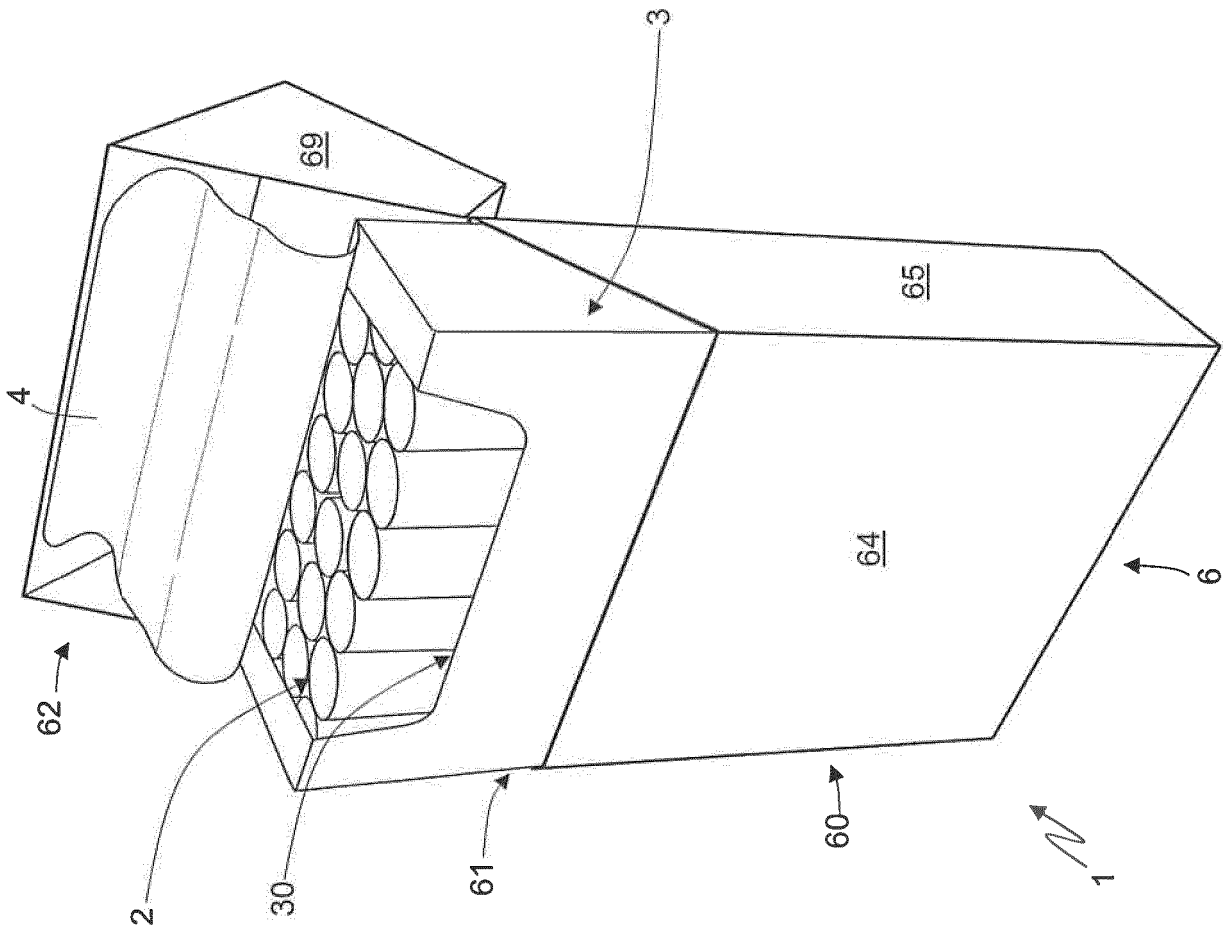


Fig.4

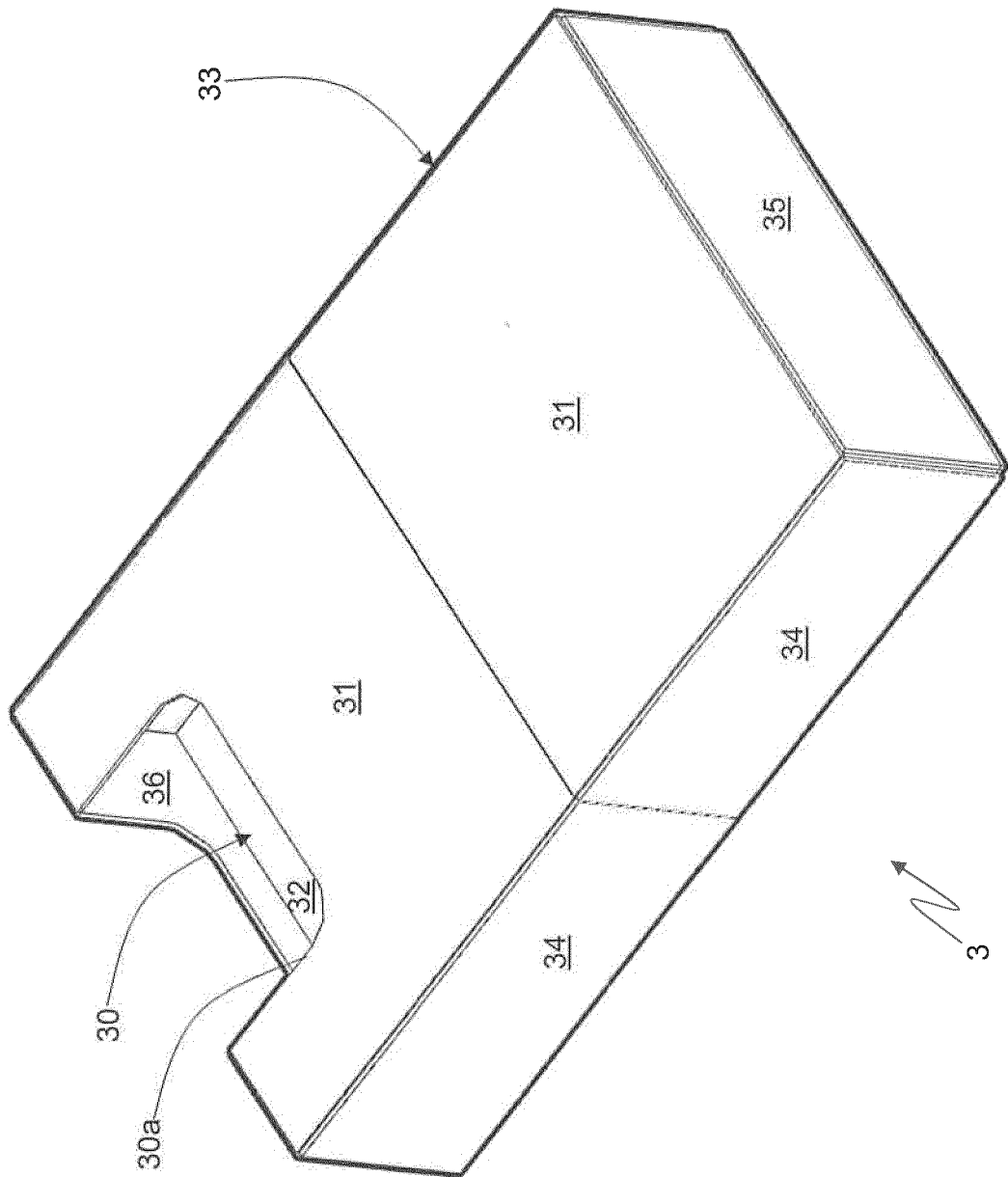


Fig.5

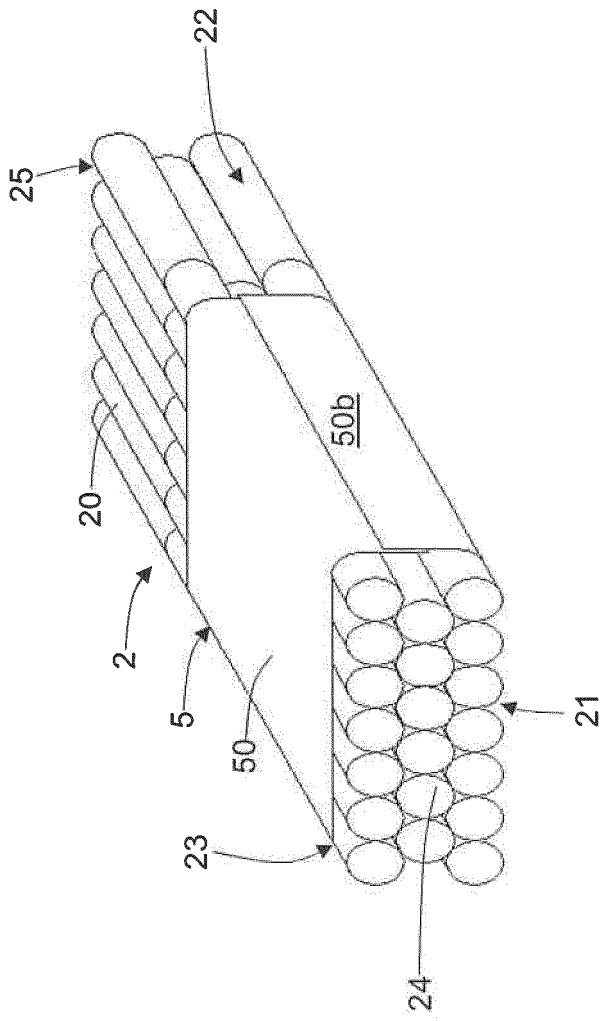


Fig.6

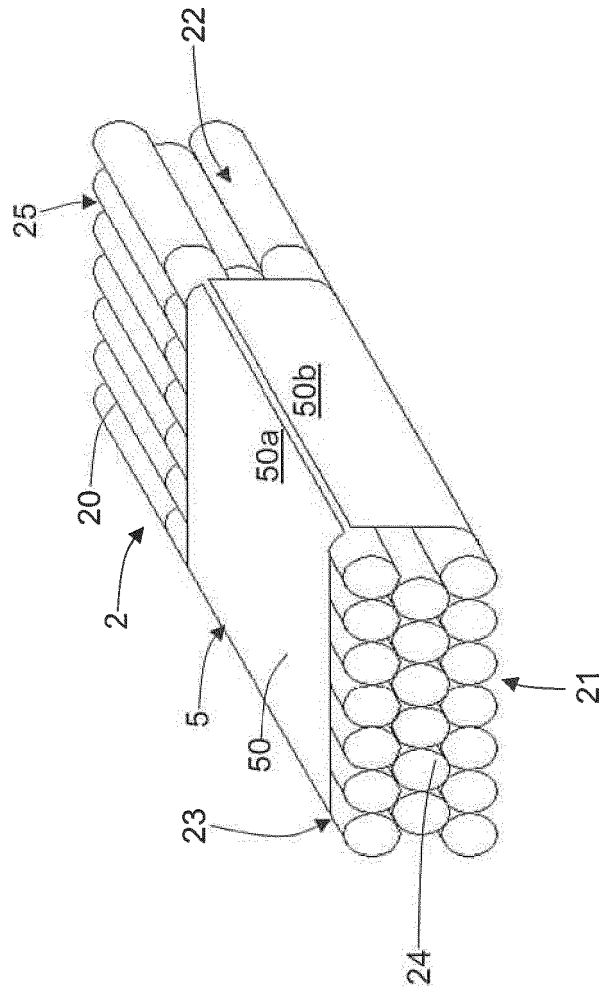


Fig.7

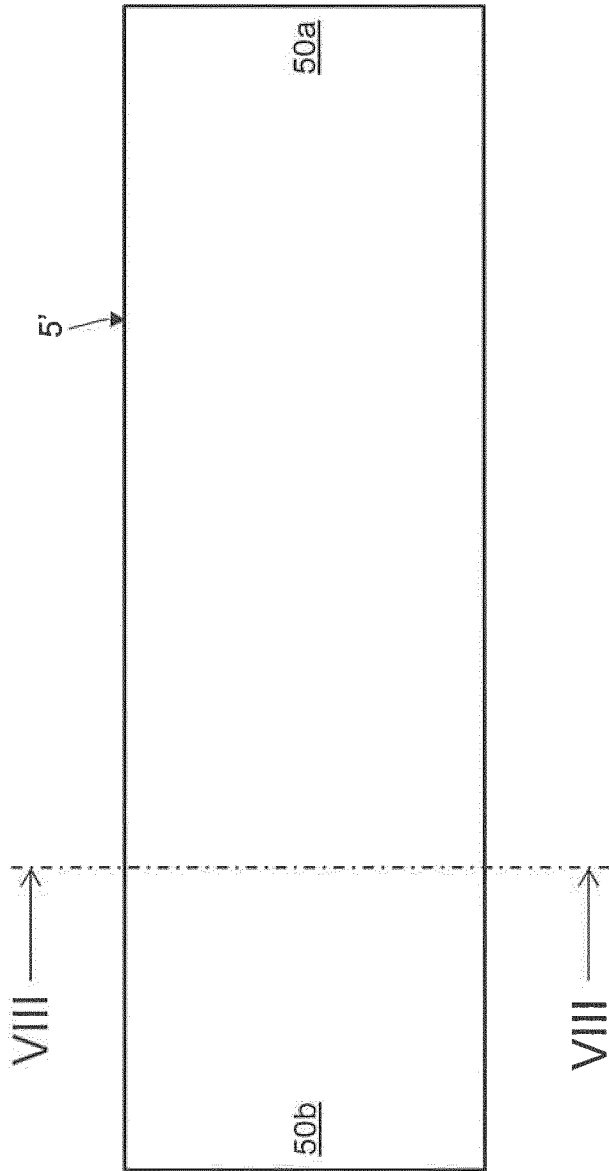
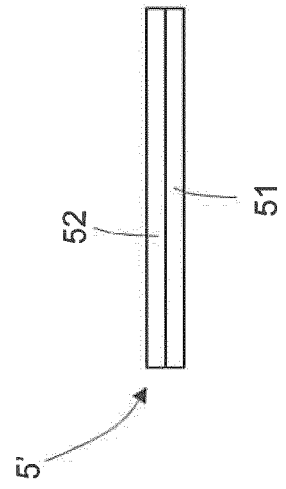


Fig.8



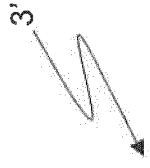


Fig.9

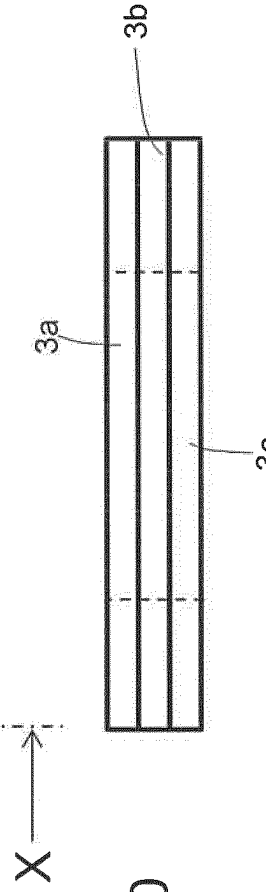
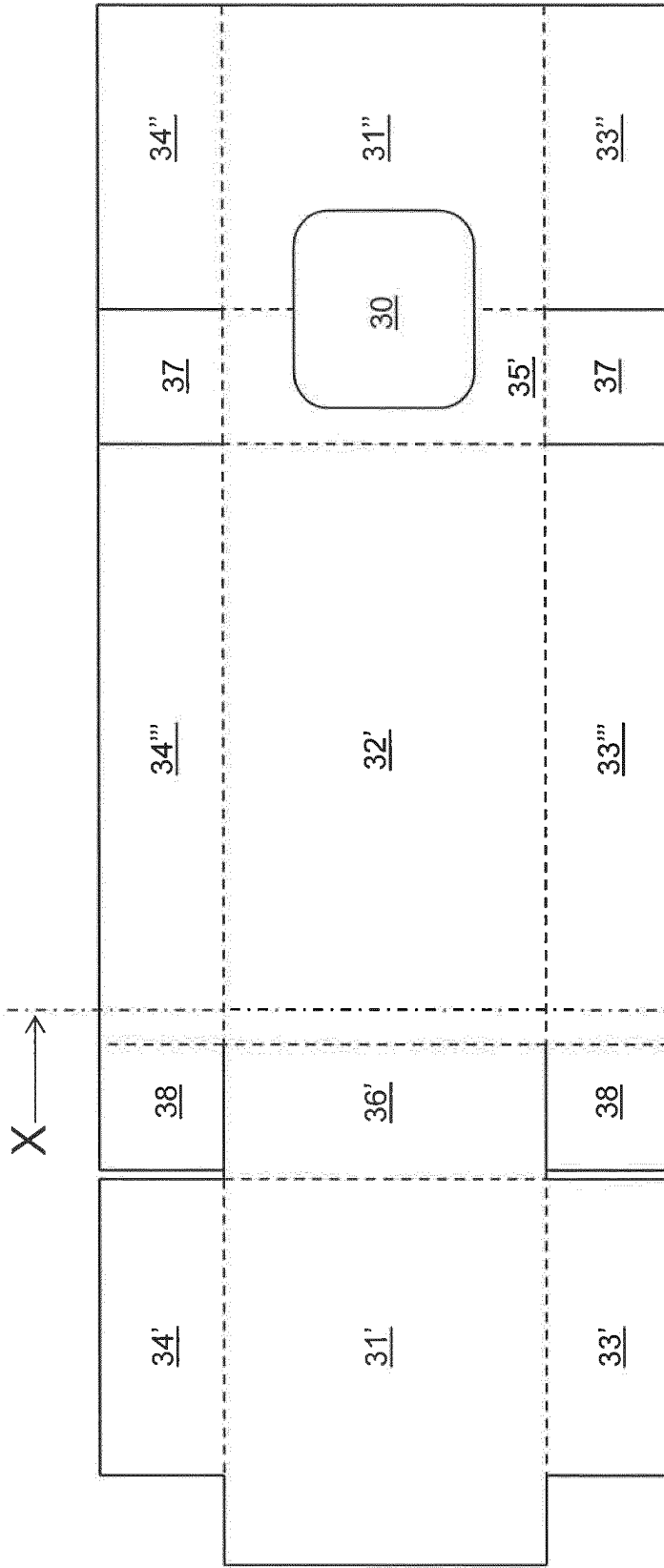


Fig.10

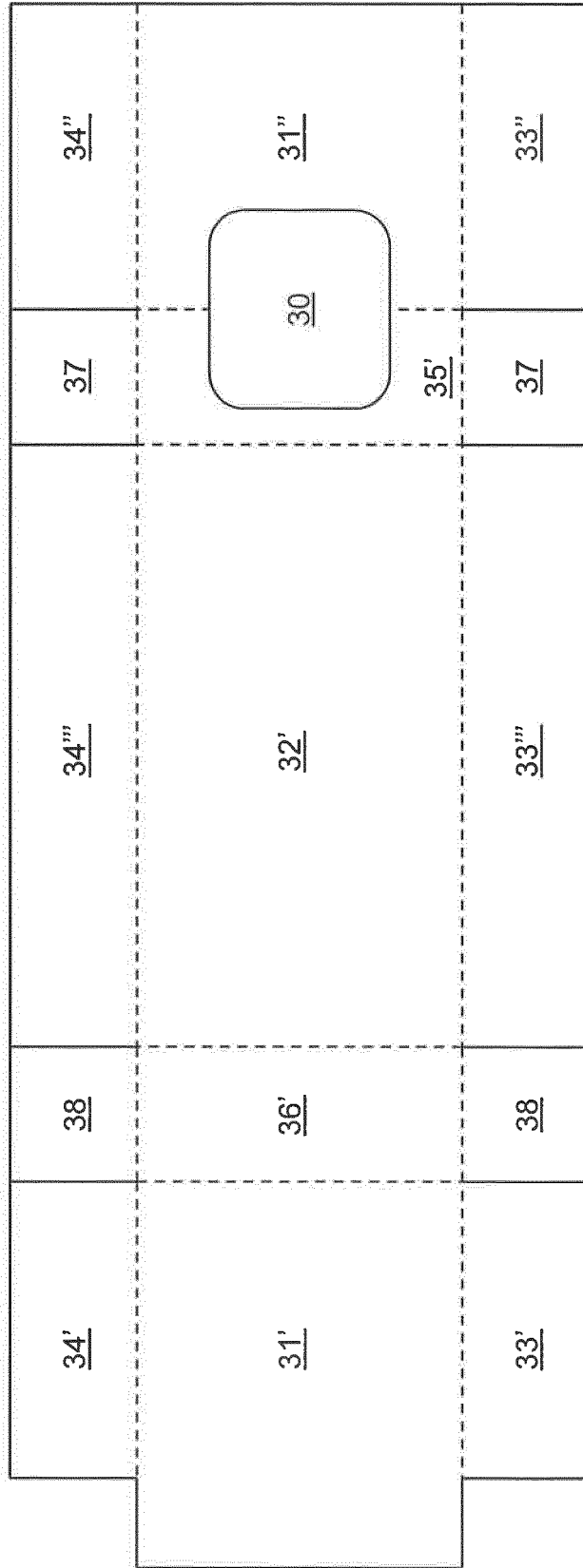
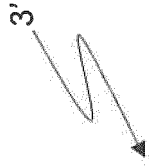


Fig.11



**REFERENCES CITED IN THE DESCRIPTION**

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**Patent documents cited in the description**

- EP 1373097 A [0002]
- WO 9822367 A1 [0005]
- WO 9928212 A1 [0005]