



(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:
26.04.2023 Bulletin 2023/17

(51) International Patent Classification (IPC):
B65D 5/72 (2006.01) **B65D 5/74** (2006.01)

(21) Application number: **22203036.3**

(52) Cooperative Patent Classification (CPC):
B65D 5/744; B65D 5/725; B65D 5/4204;
B65D 2565/385

(22) Date of filing: **21.10.2022**

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

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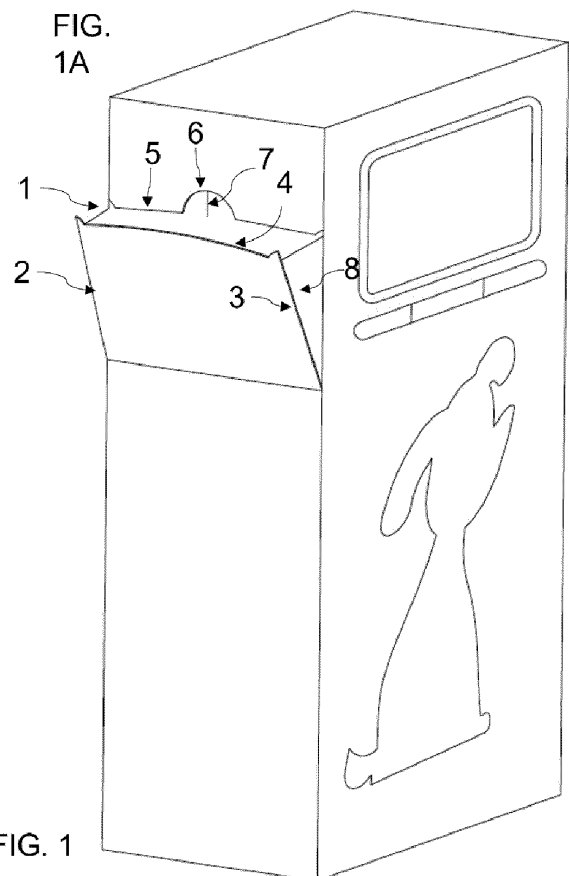
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(30) Priority: **21.10.2021 BE 202105828**

(54) **PACKAGING FOR PET FOOD KIBBLE**

(57) The current invention relates to a packaging for semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks, wherein said packaging has a rectangular body including side and end walls, wherein said packaging comprises a re-closable pour portion at one of said side walls for dispensing said semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks, characterized in that said packaging is formed by folding a blank and gluing parts of said blank to obtain a rectangular body, wherein said blank is entirely made of a mono-plastic material.



Description

FIELD OF THE INVENTION

[0001] The present invention relates to a packaging for pet food kibble that maintains the characteristics of the food while being made of a 100% mono-material.

BACKGROUND

[0002] Semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks are packaged in containers that ensure food preserving, transportation and storage. These packages maintain ideal humidity percentage and quality of the semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks on long term, while they are made of food-safe materials. Moreover, semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks packages, often possess resealing or reclosing means in order to maintain the quality of the food inside, after they were opened. In addition, semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks packages may contain features that allow the dispense of the kibbles from the package in a convenient manner.

[0003] Currently available pet food packages that fulfill the requirements listed above are made of laminated plastic polymers such as APET/PE or PA/PE. Due to their heterogenous nature, these materials are not 100% recyclable. Currently available recycle facilities can only process materials that have uniform chemical composition, while items fabricated by materials with heterogenous compositions are deconstructed and processed accordingly. However this is not possible with laminated materials, which cannot be deconstructed and thus are eliminated from the recycle process and end up in landfills.

[0004] While paper and carton or cardboard made thereof are 100% recyclable, these materials are not suitable for semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks packages having the shortcoming of not properly preserving the food on long term. Laminating the interior of paper-based boxes with a plastic polymer material could solve this issue, but these type of boxes would not be 100% recyclable.

[0005] The present invention aims to resolve at least some of the problems and disadvantages mentioned above.

[0006] There remains a need in the art for an improved semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks that maintains the quality of the food on long term, it is re-closable and has food dispensing features, while it is made of 100% mono-material. Accordingly, a need arises for the present pet food semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks packaging that maintains the quality of the food on long term, is re-closable and has food dispensing features, while being made of 100% mono-material.

SUMMARY OF THE INVENTION

[0007] The present invention and embodiments thereof serve to provide a solution to one or more of above-mentioned disadvantages. To this end, the present invention relates to a packaging for semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks according to claim 1.

[0008] The invention thereto aims to provide a rectangular packaging with a re-closable pour made of a mono-plastic material. Preferred embodiments of the packaging are shown in any of the claims 2 to 8.

[0009] In a second aspect, the present invention relates to a blank for making a packaging for semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks according to claim 9. Preferred embodiments of the blank are shown in any of the claims 10 to 14.

DESCRIPTION OF FIGURES

[0010]

Figure 1 schematically presents a perspective view of a packaging with a re-closable pour spout in opened (A) and closed (B) positions, according to an embodiment of the present invention.

Figure 2 schematically presents a perspective view of a packaging with a closing flap, according to another embodiment of the current invention.

Figure 3 schematically presents an overview of a blank for constructing a packaging as in Figure 1.

Figure 4 schematically presents a perspective view of a packaging with a re-closable pour spout, according to an embodiment of the invention.

DETAILED DESCRIPTION OF THE INVENTION

[0011] The present invention concerns a packaging for semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks with a re-closable pour made of a mono-plastic material. Furthermore the present invention relates to the blank for making a packaging for semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks.

[0012] Unless otherwise defined, all terms used in disclosing the invention, including technical and scientific terms, have the meaning as commonly understood by one of ordinary skill in the art to which this invention belongs. By means of further guidance, term definitions are included to better appreciate the teaching of the present invention.

[0013] As used herein, the following terms have the following meanings:

"A", "an", and "the" as used herein refers to both singular and plural referents unless the context clearly dictates

otherwise. By way of example, "a compartment" refers to one or more than one compartment.

[0014] "About" as used herein referring to a measurable value such as a parameter, an amount, a temporal duration, and the like, is meant to encompass variations of $\pm 20\%$ or less, preferably $\pm 10\%$ or less, more preferably $\pm 5\%$ or less, even more preferably $\pm 1\%$ or less, and still more preferably $\pm 0.1\%$ or less of and from the specified value, in so far such variations are appropriate to perform in the disclosed invention. However, it is to be understood that the value to which the modifier "about" refers is itself also specifically disclosed.

[0015] "Comprise", "comprising", and "comprises" and "comprised of" as used herein are synonymous with "include", "including", "includes" or "contain", "containing", "contains" and are inclusive or open-ended terms that specifies the presence of what follows e.g. component and do not exclude or preclude the presence of additional, non-recited components, features, element, members, steps, known in the art or disclosed therein.

[0016] Furthermore, the terms first, second, third and the like in the description and in the claims, are used for distinguishing between similar elements and not necessarily for describing a sequential or chronological order, unless specified. It is to be understood that the terms so used are interchangeable under appropriate circumstances and that the embodiments of the invention described herein are capable of operation in other sequences than described or illustrated herein.

[0017] The recitation of numerical ranges by endpoints includes all numbers and fractions subsumed within that range, as well as the recited endpoints.

[0018] The expression "% by weight", "weight percent", "%wt" or "wt%", here and throughout the description unless otherwise defined, refers to the relative weight of the respective component based on the overall weight of the formulation.

[0019] Whereas the terms "one or more" or "at least one", such as one or more or at least one member(s) of a group of members, is clear *per se*, by means of further exemplification, the term encompasses *inter alia* a reference to any one of said members, or to any two or more of said members, such as, e.g., any ≥ 3 , ≥ 4 , ≥ 5 , ≥ 6 or ≥ 7 etc. of said members, and up to all said members.

[0020] The term "folding line" in the present invention, refers to a line that is folded when folding the blank into a box-shaped packaging. The folding line in the present invention may also include a crease line.

[0021] The term "tear line" in the present invention, denotes a line partially incised in such a way that the incised and unincised zones alternate as such that this line can be easily torn.

[0022] The term "cutting line" in the present invention, refers to an incision line performed in the blank.

[0023] The term "spout" or "pour spout" in the present invention, denotes an opening in the packaging, that facilitates dispensing the content from the interior to the exterior of the box, with precision.

[0024] Unless otherwise defined, all terms used in disclosing the invention, including technical and scientific terms, have the meaning as commonly understood by one of ordinary skill in the art to which this invention belongs. By means of further guidance, definitions for the terms used in the description are included to better appreciate the teaching of the present invention. The terms or definitions used herein are provided solely to aid in the understanding of the invention.

[0025] Reference throughout this specification to "one embodiment" or "an embodiment" means that a particular feature, structure or characteristic described in connection with the embodiment is included in at least one embodiment of the present invention. Thus, appearances of the phrases "in one embodiment" or "in an embodiment" in various places throughout this specification are not necessarily all referring to the same embodiment, but may. Furthermore, the particular features, structures or characteristics may be combined in any suitable manner, as would be apparent to a person skilled in the art from this disclosure, in one or more embodiments. Furthermore, while some embodiments described herein include some but not other features included in other embodiments, combinations of features of different embodiments are meant to be within the scope of the invention, and form different embodiments, as would be understood by those in the art. For example, in the following claims, any of the claimed embodiments can be used in any combination.

[0026] In a first aspect, the invention relates to a packaging for semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks, wherein said packaging has a rectangular body including side and end walls, wherein said packaging comprises a re-closable pour portion at one of said side walls for dispensing said semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks, characterized in that said packaging is formed by folding a blank and gluing parts of said blank to obtain a rectangular body, wherein said blank is entirely made of a mono-plastic material.

[0027] In an embodiment the mono-plastic material from which the semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks packaging is made, is selected from polypropylene (PP), bio-PP, polyethylene (PE), polylactic (PLA) and polyolefin, preferably PP is used. These mono-plastic materials are highly durable, 100% recyclable and have better barrier properties than laminated plastics such as APET/PE or PA/PE. PP is resistant to chemicals, high temperatures and scratches, it is crystal clear, stiff and hard, it has an outstanding vapor and moisture barrier, it is difficult to break and meets FDA and USDA food packaging specifications. PE is inert, translucent, creates a lower static charge, prohibits great amount of light from entering the film, attracts less dirt, dust or other foreign organic element, is soft, pliable, resistant to cold and wear and it is inexpensive. PLA is made from renewable resources, is biodegradable and has characteristics similar to PP and PE.

[0028] In an embodiment, said mono-plastic material from which the semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks packaging is made has a thickness between 0.1 and 0.9 mm, preferably between 0.1 and 0.8 mm, preferably between 0.1 and 0.7 mm, preferably between 0.1 and 0.6 mm, preferably between 0.1 and 0.5 mm, preferably between 0.1 and 0.4 mm, preferably between 0.1 and 0.3 mm, preferably between 0.1 and 0.2 mm, preferably between 0.2 and 0.9 mm, preferably between 0.3 and 0.9 mm, preferably between 0.4 and 0.9 mm, preferably between 0.5 and 0.9 mm, preferably between 0.6 and 0.9 mm, preferably between 0.7 and 0.9 mm, preferably between 0.8 and 0.9 mm, more preferably about 0.4 mm or more preferably about 0.6 mm.

[0029] By preference, said packaging contains between 100 and 3500 g of semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks. In a preferred embodiment said packaging comprises between 100 and 3500 g, preferably between 150 and 3500 g, preferably between 200 and 3500 g, preferably between 250 and 3500 g, preferably between 300 and 3500 g, preferably between 350 and 3500 g, preferably between 400 and 3500 g, preferably between 500 and 3500 g, preferably between 750 and 3500 g, preferably between 1000 and 3500 g, preferably between 1250 and 3500 g, preferably between 1500 and 3500 g, preferably between 1750 and 3500 g, preferably between 2000 and 3500 g, preferably between 2250 and 3500 g, preferably between 2500 and 3500 g, preferably between 2750 and 3500 g, preferably between 3000 and 3500 g, preferably between 3250 and 3500 g, preferably between 100 and 3250 g, preferably between 150 and 3500 g, preferably between 200 and 3500 g, preferably between 250 and 3500 g, preferably between 300 and 3500 g, preferably between 350 and 3500 g, preferably between 400 and 3500 g, preferably between 500 and 3500 g, preferably between 750 and 3500 g, preferably between 1000 and 3500 g, preferably between 1250 and 3500 g, preferably between 1750 and 3500 g, preferably between 2000 and 3500 g, preferably between 2250 and 3500 g, preferably between 2500 and 3500 g, preferably between 2750 and 3500 g, preferably between 3000 and 3500 g, preferably between 3250 and 3500 g, more preferably about 130 g, more preferably about 150 g, more preferably about 200 g, more preferably about 1250 g, more preferably about 2200 g or more preferably about 3000 g pet semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks.

[0030] In a preferred embodiment, the re-closable pour portion of the packaging of the invention, has a spout (1). The spout advantageously facilitates dispensing the semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks with precision in such a way that the semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks can be perfectly dosed without spilling. The spout is re-closable ensuring in this way that the food is stored in ideal conditions, protected from humidity and light, even after the packaging is not sealed

anymore.

[0031] In a further and preferred embodiment, the spout of the packaging is hinged and retractable in the plane of the side wall. The spout can be hingedly pulled and pushed in opened and closed position. When the spout is in closed position, it becomes coplanar with one side of the packaging and hence the packaging reverts to its parallelepiped box shape. This advantageously facilitates the storage of the packaging in cupboards and shelving units.

[0032] In another embodiment, the re-closable pour portion of the packaging has a closing flap (9) covering an opening (10), said closing flap is attached to a portion of the side wall above said opening. The pour portion of the packaging can thus be a circular, rectangular, triangular or oval opening on the side of the packaging and the closing of said opening is ensured by a flap attached on the upper portion of the opening. Said flap hingedly opens and closes in a vertical or horizontal motion.

[0033] In another embodiment, the pour portion has tear lines (2-5). The spout portion (23) has 2 tear lines (2,3) parallel to each other and a third line (4) perpendicular on them. The spout fortification zone (25) has one tear line (5), parallel to the third tear line (4) of the spout portion (23). The tear lines allow for the partial detachment of a portion of the spout portion (23) and complete detachment of an element of the spout fortification zone (25) of the packaging. These when glued together form the front part of the re-closable pour portion. The tear lines allow the user to hingedly pull and push the spout in opened and closed position.

[0034] In an embodiment, any of the walls is transparent or translucent or has a transparent or translucent section or is completely opaque. In another embodiment the entire packaging is transparent or translucent. This feature offers both aesthetical and practical advantages. The content of the packaging can be visualized without opening said packaging.

[0035] In an embodiment, parts of said packaging are glued with a glue, preferably a PP based glue. In a further embodiment, the glue is a food grade glue or is a non-food grade glue.

[0036] By preference, said packaging comprises semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks. The packaging of the invention is, due to its construction and material used, safe for preserving and storing food, especially semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks. The food is maintained fresh for a long period, due to its retractable spout that can be closed and due to the choice of material. The packaging can contain any type of semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks, including special formulations for Guinea pigs, hamsters, rabbits, hedgehogs, parrots and other birds, fish, turtles, snakes, iguanas, reptiles, salamanders, amphibians, horses preferably dog or cat food.

[0037] In a second aspect, the present invention relates to a blank for making a packaging for semi-moist

and/or dry pet food kibble or semi-moist and/or dry pet snacks having

- 2 main panels (11, 12) and 2 side panels (13, 14) for forming the side walls of said packaging, said panels are separated by folding lines and wherein each panel has a bottom flap (15-18),
- 3 top flaps (19-21) separated by folding lines from the main panel and the side panel with no spout, and
- an extension panel (22) separated by folding line from one of the main or side panels; and

wherein one side panel (13) comprises a spout portion (23) for forming a spout wherein said spout portion is formed by two parallel tear lines (2, 3), a third tear line (4) perpendicular to the them, and a folding line (24) parallel to said third tear line; and

wherein a spout fortification zone (25) extends from said side panel (13) comprising said spout portion (23); wherein said blank is made of a mono-plastic.

[0038] In an embodiment, the blank for making the packaging of the invention consists of a first main panel separated on its length by folding lines from a first and a second side panels and on its width by a top and a bottom end flap, a second main panel separated on its length by folding lines from a second side panel and from an extension panel and on its width by a top and a bottom end flap. The first side panel has a top and a bottom end flap and the second side panel has a bottom flap and a spout fortification zone.

[0039] In a further embodiment, the blank for making the packaging of the invention consists of a first main panel separated on its length by folding lines from a first side panel, and on its width by a top and a bottom end flap, a second main panel separated on its length by folding lines from a second side panel and on its width by a top and a bottom end flap. The second side panel is separated by folding lines from an extension panel and from a top and a bottom end flap. The first side panel has a bottom end flap and a spout fortification zone.

[0040] In a further embodiment, the blank for making the packaging of the present invention is configured so that the spout fortification zone is positioned on any of the main or side panels, preferably on the side panel situated between the two main panels.

[0041] In a preferred embodiment, the blank for making the packaging of the present invention has a spout fortification zone (25) that comprises:

- a first sub-panel (26) separated by way of folding line from the side panel (13), and a second sub-panel (27);
- a third sub-panel (28) separated by way of folding line from the second sub panel (27) and wherein an oblong incision (30) is present on said folding line;
- a forth sub-panel (29) separated by a tear line (5)

from the third sub-panel (28), wherein the third sub-panel has a notch (7) perpendicular to the tear line (5);

- two right-trapezoidal formed spout flaps (31), separated by way of folding lines from the fourth sub-panel (29), and having the longer leg (32) curved and nicked near the obtuse angle and forming a sharp protrusion (33).

[0042] In a further and preferred embodiment the oblong incision (30) between the second sub-panel (27) and the third sub-panel (28) has a hexagonal shape. In a further embodiment said oblong incisions has rectangular or oval shape.

[0043] In a preferred embodiment, the first sub-panel (26) of the spout fortification zone (25), is narrower on the side it connects to the second sub-panel (27). The second sub-panel (27) is narrower on the side it connects to the first sub-panel (26) than its opposite side, where it connects to the third sub-panel (28). Between the third-sub panel (28) and the fourth sub-panel (29) there is a convex curved tear line (5) and the third-sub panel (28) has a straight notch (7) perpendicular to the widthwise tear line (5). The third sub-panel (28) is narrower than the fourth sub-panel (29) at the edge they connect and the corners of the fourth sub-panel (29) form protrusions that overhang the third sub-panel (28). The spout flaps (31) are right-trapezoidal formed and connect on the longer base by way of folding lines to the fourth side-panel (29) and have the longer leg (32) curved and nicked near the obtuse angle and forming sharp protrusions (33).

[0044] In a further and preferred embodiment, the spout portion (23) of the side panel (13) has a crescent-shaped incision (6) on the tear line (4). In a further preferred embodiment, the tear line (4) is concave with raised sides.

[0045] In an embodiment, the invention relates to the blank for making a packaging for semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks, wherein the spout is formed by folding the spout fortification zone (25) in such a way that:

- the first (26) and the second (27) sub-panels completely overlap each other;
- the fourth (29) sub-panel overlap with the spout portion (23) and they are glued together;
- the fourth sub-panel (29) and the spout portion (23) can be pushed towards the exterior of the box, forming the front part of the re-closable pour portion;
- the two spout flaps (31) each having three free sides, engage with the tear line (4) of the spout portion (23), delineating in this way the hinges (8) of the re-closable pour portion while the spout flaps (31) are prevented from sliding out by the sharp protrusions (33) of the spout flaps.

[0046] In a further embodiment, a packaging is formed

by folding all the elements of the present invention toward the interior and the spout flaps (31) toward the exterior of the packaging. The spout flaps (31) are designed in such a way that they engage via their sharp protrusion (33) with the protrusions of the tear line (4) of the spout portion (23). They are prevented thus from sliding out and they allow the hinged movement of the pour portion. The notch (7) of the third sub-panel (28) of the spout fortification zone (25) and the crescent-shaped incision (6) of the spout portion (23) overlap when the spout is assembled. This overlapping located above the pour spout, facilitates the opening of the pour spout.

[0047] In an embodiment, the invention relates to a packaging wherein said packaging is made by means of a blank according to any of above described embodiments.

[0048] However, it is obvious that the invention is not limited to this application. The packaging and the blank according to the invention can be applied in making packaging for all sorts of feed, food and objects.

[0049] The invention is further described by the following non-limiting examples which further illustrate the invention, and are not intended to, nor should they be interpreted to, limit the scope of the invention.

DESCRIPTION OF FIGURES

[0050] With reference to FIG. 1, a packaging with a reclosable pour spout according to an embodiment of the current invention, is shown. In Figure A the pour spout (1) is in opened position and in Figure B, the pour spout (1) is in closed position. The pour spout is formed by tear lines, 3 tear lines (2-4) on the spout portion (23) and one tear line (5) on the spout fortification zone (25) which allow a user to recover the spout from a side plane of the packaging. In the embodiment shown, the spout portion (23) has a crescent-shaped incision (6) that overlaps with the notch (7) of the spout fortification zone (25), facilitating the opening of the spout by the user. The spout can be retracted from the side of the packaging via hinges (8).

[0051] With reference to FIG. 2, a packaging with a closing flap, according to another embodiment of the current invention, is shown. The closing flap (9) covers a pour opening (10), said closing flap is attached to a portion of the side wall above said opening.

[0052] With reference to FIG. 3, a blank for assembling a packaging as in Figure 1 is shown. Said blank is provided with 2 main panels (11, 12) and 2 side panels (13, 14), each panel having a bottom flap (15-18) and 3 panels (11, 12 and 14) having top flaps (19-21), all separated by folding lines. An extension panel (22) meant to facilitate the gluing of the packaging is separated by folding line from side panel (14). The side panel (13) has a spout portion (23) formed by two parallel tear lines (2, 3), a third tear line (4) perpendicular to the them, and a folding line (24) parallel to said third tear line and has a crescent-shaped incision (6) on the tear line (4). One of the side panels (13), ends with a spout fortification zone (25) hav-

ing 4 sub-panels (26-29). The first sub-panel (26) is separated by way of folding line from the side panel (13). The third sub-panel (28) is separated by way of folding line from the second sub-panel (27) while said folding line has an oblong incision (30). The forth sub-panel (29) is separated by a tear line (5) from the third sub-panel (28), wherein the third sub-panel has a notch (7) perpendicular to the tear line (5). The fourth sub-panel (29) is separated by way of folding lines from two right-trapezoidal formed spout flaps (31), that have the longer leg (32) curved and nicked near the obtuse angle and forming sharp protrusions (33).

[0053] With reference to FIG. 4, a packaging with a reclosable pour portion that has a spout (1), according to another embodiment of the current invention, is shown. The spout is formed by the tear line (4) and hinge (8).

List of indicated elements

20 [0054]

1	pour spout
2,3	parallel tear line of the spout portion
4	third tear line of spout portion
25 5	tear line on the spout fortification zone
6	crescent-shaped incision
7	notch on the spout fortification zone
8	hinges
9	closing flap
30 10	pour opening
11,12	main panels
13,14	side panels
15-18	bottom flaps
19-21	top flaps
35 22	extension panel
23	spout portion
24	fold line in the spout portion
25	spout fortification zone
26	first sub-panel
40 27	second sub-panel
28	third sub-panel
29	fourth sub-panel
30	oblong incision
31	spout flaps
45 32	longer leg of the flap
33	sharp protrusion of the flap

[0055] The present invention is in no way limited to the embodiments described in the examples and/or shown in the figures. On the contrary, methods according to the present invention may be realized in many different ways without departing from the scope of the invention.

55 Claims

1. A packaging comprising semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks,

wherein said packaging has a rectangular body including side and end walls, wherein said packaging comprises a re-closable pour portion at one of said side walls for dispensing said semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks, **characterized in that** said packaging is formed by folding a blank and gluing parts of said blank to obtain a rectangular body, wherein said blank is entirely made of a mono-plastic material selected from polypropylene (PP), bio-PP, polyethylene (PE), polylactic (PLA) and polyolefin, said mono-plastic is preferably PP.

2. The packaging according to claim 1, **characterized in that**, the re-closable pour portion has a spout (1).
3. The packaging according to any of the claims 1 to 2, **characterized in that**, the spout is hinged and retractable in the plane of the side wall.
4. The packaging according to any of the claims 1 to 3, **characterized in that**, the re-closable pour portion has a closing flap (9) covering an opening (10), said closing flap is attached to a portion of the side wall above said opening.
5. The packaging according to any of the claims 1 to 4, **characterized in that**, the pour portion has tear lines (2-5).
6. The packaging according to any of the claims 1 to 5, **characterized in that**, any of the said walls is transparent or translucent or has a transparent or translucent section or is completely opaque.
7. The packaging according to any of the claims 1 to 6, **characterized in that**, parts of said packaging are glued with a glue, preferably a PP based glue.
8. The packaging according to any of the claims 1 to 7, wherein said packaging comprises semi-moist and dry pet food kibble and semi-moist and dry pet snacks, preferably dog or cat food.
9. A blank for making a packaging for semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks having
 - 2 main panels (11, 12) and 2 side panels (13, 14) for forming the side walls of said packaging, said panels are separated by folding lines and wherein each panel has a bottom flap (15-18),
 - 3 top flaps (19-21) separated by folding lines from the main panel and the side panel with no spout, and
 - an extension panel (22) separated by folding line from one of the main or side panels; and wherein one side panel (13) comprises a spout

portion (23) for forming a spout wherein said spout portion is formed by two parallel tear lines (2, 3), a third tear line (4) perpendicular to the them, and a folding line (24) parallel to said third tear line; and wherein a spout fortification zone (25) extends from said side panel (13) comprising said spout portion (23); wherein said blank is made of a mono-plastic.

10. The blank according to claim 9 wherein said spout fortification zone (25) comprises:

- a first sub-panel (26) separated by way of folding line from the side panel (13), and a second sub-panel (27);
- a third sub-panel (28) separated by way of folding line from the second sub panel (27) and wherein an oblong incision (30) is present on said folding line;
- a forth sub-panel (29) separated by a tear line (5) from the third sub-panel (28), wherein the third sub-panel has a notch (7) perpendicular to the tear line (5);
- two right-trapezoidal formed spout flaps (31), separated by way of folding lines from the fourth sub-panel (29), and having the longer leg (32) curved and nicked near the obtuse angle and forming a sharp protrusion (33).

11. The blank according to any of the claims 9 to 10, wherein the oblong incision (30) between the second sub-panel (27) and the third sub-panel (28) has a hexagonal shape.

12. The blank according to any of the claims 9 to 11, wherein the spout portion (23) of the side panel has a crescent-shaped incision (6) on the tear line (4).

13. The blank for making a packaging for semi-moist and/or dry pet food kibble or semi-moist and/or dry pet snacks according to any of the previous claims wherein the spout is formed by folding the spout fortification zone (25) in such a way that:

- the first (26) and the second (27) sub-panels completely overlap each other;
- the fourth (29) sub-panel overlaps with the spout portion (23) and they are glued together;
- the fourth sub-panel (29) and the spout portion (23) can be pushed towards the exterior of the box, forming the front part of the re-closable pour portion;
- the two spout flaps (31) each having three free sides, engage with the tear line (4) of the spout portion (23), delineating in this way the hinges (8) of the re-closable pour portion while the spout flaps (31) are prevented from sliding out by the

sharp protrusions (33) of the spout flaps.

14. The packaging according to any of the previous claims, wherein said packaging is made by means of a blank according to any of the claims 10 to 14. 5

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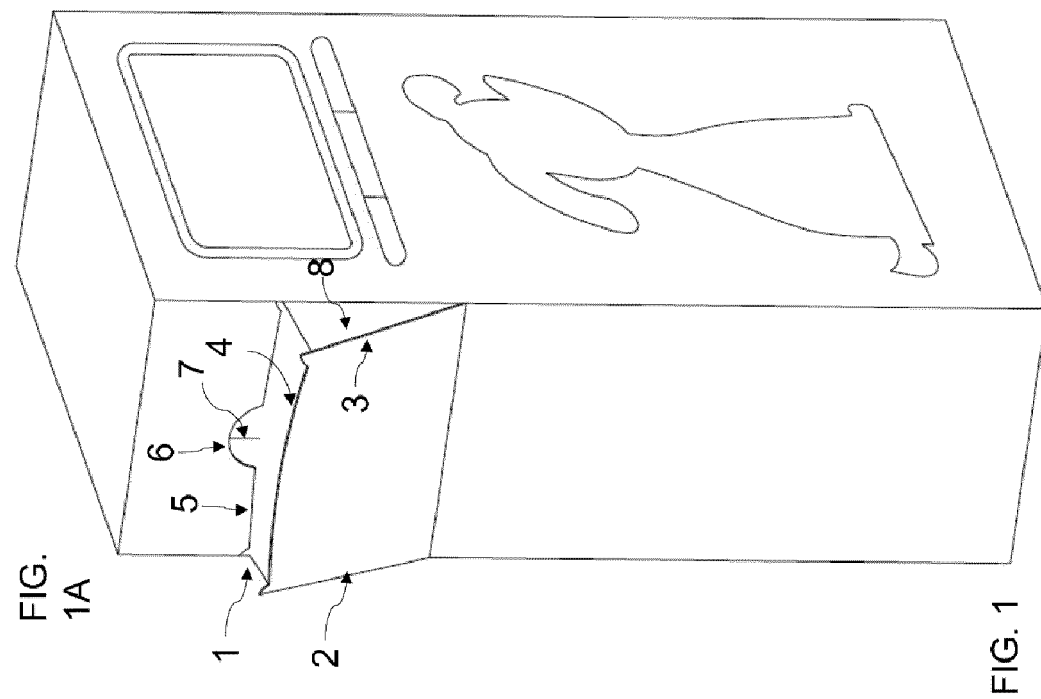
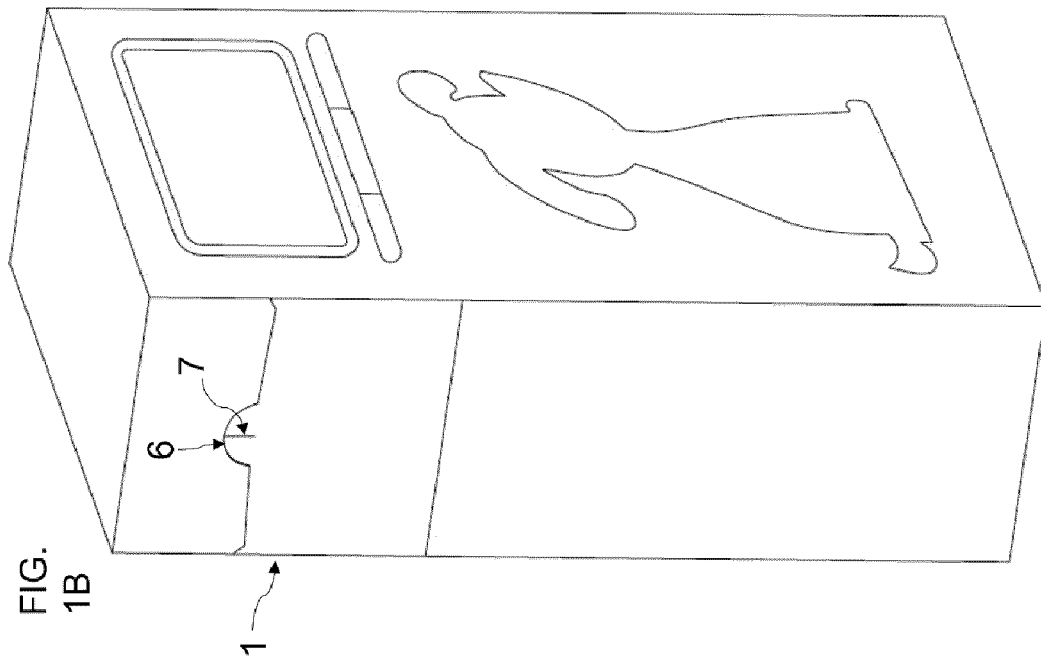


FIG. 1

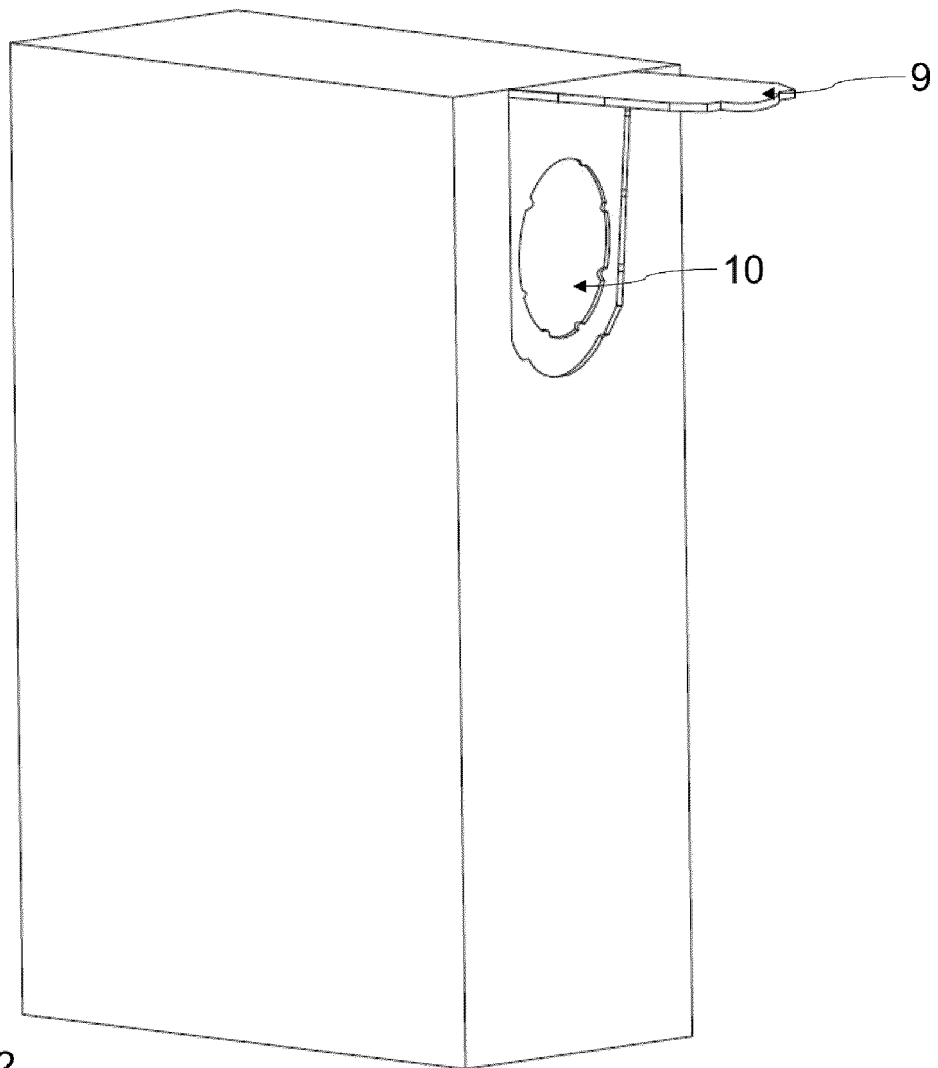


FIG. 2

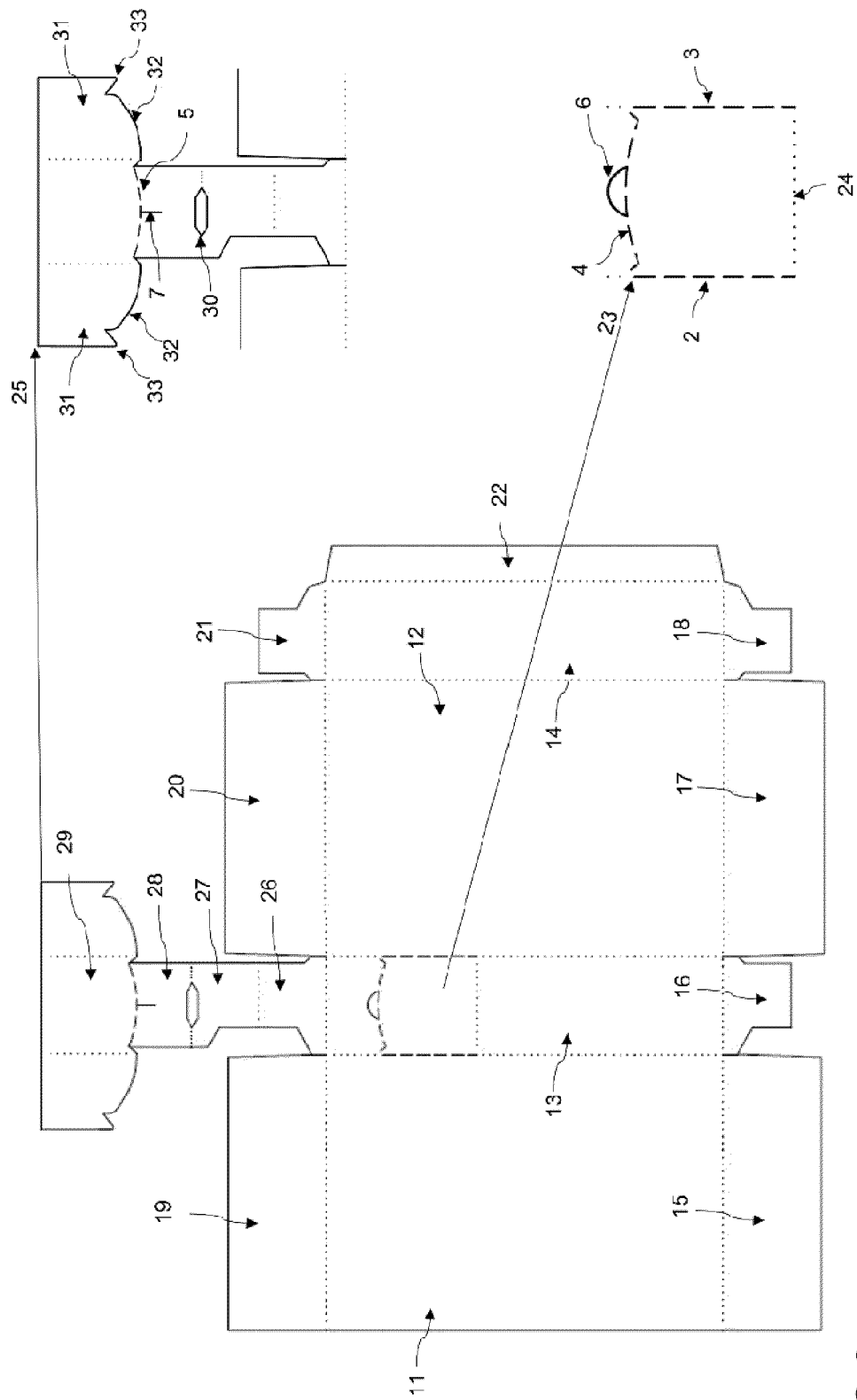
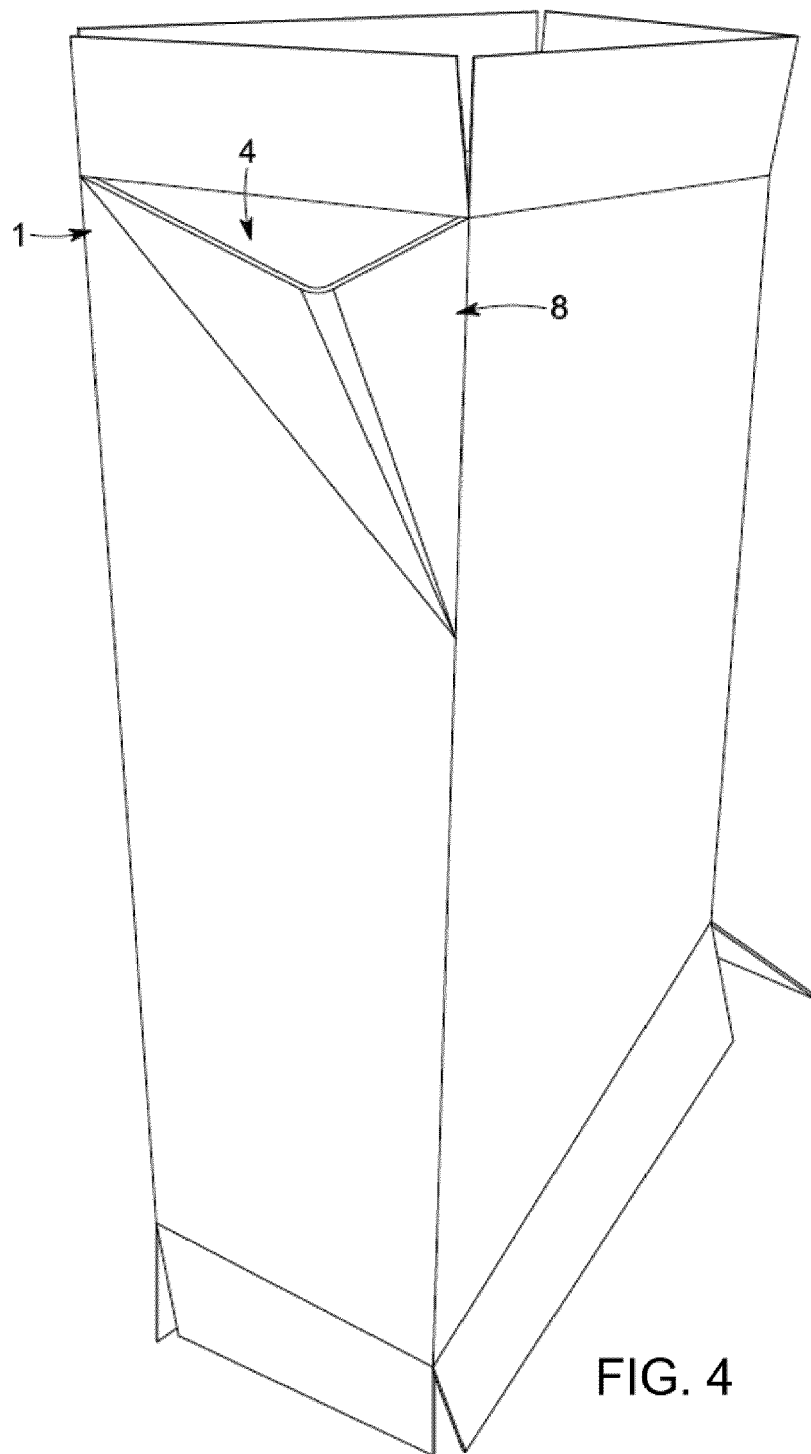


FIG. 3





EUROPEAN SEARCH REPORT

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Place of search Munich		Date of completion of the search 16 January 2023	Examiner Leijten, René
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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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