

PACKAGING

Technical Field

[0001] Embodiments generally relate to a packaging (e.g. container, box, carton, package, etc.), and particularly to a packaging for at least two articles which may include a first article and a second article.

Background

[0002] Packaging or package is generally for encasing one or more articles and has been primarily used for storing and transporting/shipping the one or more articles. Packaging may be of various configuration and may be made of various types of materials to cover, wrap, contain, and/or enclose the one or more articles. For example, a packaging may be configured to encase at least two articles. Conventionally, such packaging is commonly provided in the form of a prefabricated cardboard box, which may be a piece of cardboard material folded into the box. The conventional packaging typically includes one opening through which the one or more articles may be deposited into or withdrawn out from an inner space of the conventional packaging.

[0003] In a typical logistic process, after an article is manufactured, the article is generally packed inside a packaging for storing at a storage facility (e.g. a warehouse) or for transporting/shipping. The opening of the packaging would be sealed with a cover member (for example, such as a flap of the cardboard box). Subsequently, at the storage facility or a sorting/repacking facility or a retail facility, re-bundling or repacking may be required depending on an order from a customer. Most of the time, additional articles may be required to be housed or packed or bundled within the same original packaging of the main article. Accordingly, the cover member of the original packaging would be re-opened for the additional articles to be placed inside together with the existing main article, via the same opening.

[0004] However, there are several issues with the re-bundling or repacking process as described above involving conventional packaging. For example, multiple packaging are usually stacked on one another during storage. Thus, retrieving and reopening

individual packaging in order to deposit additional articles in each packaging becomes a tedious and time-consuming task.

[0005] To avert this issue, exporters of products generally pre-pack a variety of different sets of articles in multiple different packaging, covering the different configuration of the products they intend to commercialize. In doing so, these pre-packed products can be immediately shipped out to a customer upon confirmation of an order by the customer without re-bundling or repacking. However, this means that a large storage space and, in turn, higher cost (e.g. for leasing the large storage space) would be required to store the high volume of pre-packed products covering the different configuration of the products. In addition, oftentimes, these exporters pre-pack more products than they manage to sell, leaving them with unused inventory.

[0006] To reduce an amount of storage space required, some exporters do not provide their customers with an option for customization of certain features (e.g. change of color, or change of an secondary or auxiliary component) of the products they commercialize, thereby reducing a number of variety of sets of articles needed to be pre-packed and stored in a warehouse. However, this limits their market share, making it tougher for them to expand and grow their business.

[0007] Therefore, there is a need for a more efficient and effective packaging solution to resolve the above issues.

Summary

[0008] According to various embodiments, there may be provided a packaging for enclosing at least two articles, including a first article and a second article. The packaging may include a main outer box defining an inner space. The packaging may further include an internal arrangement delimiting a portion of the inner space for accommodating the first article. The main outer box may include a primary closure arrangement openable to expose a primary opening of the main outer box for accessing the inner space, including the portion of the inner space and at least one other portion of the inner space for accommodating the second article, and a secondary opening. The secondary opening may smaller than the primary opening. A disposition of the secondary opening with respect to the primary closure arrangement may be in a manner so as to align the secondary opening to the portion of the inner space delimited by the

internal arrangement for directly accessing the portion of the inner space, without having to open the primary closure arrangement.

[0009] According to various embodiments, a method of packing at least two articles, including a first article and a second article, may be provided. The method may include providing the packaging. The method may include opening the primary closure arrangement of the main outer box of the packaging and inserting the second article, through the exposed primary opening of the main outer box, to place the second article within the at least one other portion of the inner space. The method may include inserting the first article, through the secondary opening of the main outer box of the packaging, to place the first article within the portion of the inner space.

Brief description of the drawings

[00010] In the drawings, like reference characters generally refer to the same parts throughout the different views. The drawings are not necessarily to scale, emphasis instead generally being placed upon illustrating the principles of the invention. In the following description, various embodiments are described with reference to the following drawings, in which:

FIG. 1A shows a perspective view of a packaging for enclosing at least two articles and an auxiliary inner box for enclosing a first article of the at least two articles, according to various embodiments;

FIG. 1B shows a perspective view of the packaging of FIG. 1A with a primary closure arrangement of the packaging opened to expose a primary opening of the packaging, according to various embodiments;

FIG. 1C shows an isolated perspective view of a first-article-box-insert of an internal arrangement of the packaging of FIG. 1A, with the auxiliary inner box in a receptacle space of the first-article-box-insert for accommodating the auxiliary inner box, according to various embodiments;

FIG. 1D and FIG. 1E show isolated perspective views of the first-article-box-insert of FIG. 1C, with the auxiliary inner box partially removed from a first window of the first-article-box-insert, according to various embodiments;

FIG. 1F shows a perspective view of a multi-layer-box-insert-arrangement of the packaging 100 of FIG. 1A, according to various embodiments;

FIG. 1G to FIG. 1J show various views of selectively inserting the auxiliary inner box containing the first article into a main outer box of the packaging of FIG. 1A, and covering the inserted auxiliary inner box in the main outer box with a secondary closure arrangement of the packaging 100, according to various embodiments;

FIG. 2A shows a packaging for enclosing at least two articles, including the first article and the second article, according to various embodiments;

FIG. 2B shows an exploded view of a main outer box of the packaging of FIG. 2A and at least one reinforcing support member of the packaging for reinforcing the main outer box 210, according to various embodiments;

FIG. 2C shows an internal arrangement of the packaging of FIG. 2A, according to various embodiments; and

FIG. 3A depicts steps of a method 300 of packing at least two articles, including the first article and the second article

Detailed description

[00011] Embodiments described below in context of the apparatus are analogously valid for the respective methods, and vice versa. Furthermore, it will be understood that the embodiments described below may be combined, for example, a part of one embodiment may be combined with a part of another embodiment.

[00012] It should be understood that the terms “on”, “over”, “top”, “bottom”, “down”, “side”, “back”, “left”, “right”, “front”, “lateral”, “side”, “up”, “down” etc., when used in the following description are used for convenience and to aid understanding of relative positions or directions, and not intended to limit the orientation of any device, or structure or any part of any device or structure. In addition, the singular terms “a”, “an”, and “the” include plural references unless context clearly indicates otherwise. Similarly, the word “or” is intended to include “and” unless the context clearly indicates otherwise.

[00013] Various embodiments generally relate to a packaging, and particularly to a packaging for packing at least two articles. According to various embodiments, the packaging refers to a wrapping or a covering or a container or an enclosure for encasing the at least two articles. The packaging may serve to enclose and/or protect the at least two articles for storage, distribution, transportation, shipping, sale, and/or usage.

According to various embodiments, the at least two articles may include a first article and a second article. According to various embodiments, the at least two articles may include two or more articles. For example, two or three or four or five or six or more articles. According to various embodiments, the at least two articles may be parts of a kit for a single product such that the at least two articles may be assembled together to form the single product. According to various embodiments, the at least two articles may be separate independent products.

[00014] Various embodiments seek to provide a packaging configured to facilitate packing the first article (e.g. an auxiliary part) separately from the second article (e.g. a main or primary part) at a different time and/or location. For example, the second article (e.g. the main or primary part) may be initially packed and sealed into the packaging of the various embodiments, and the first article (e.g. the auxiliary part) may be subsequently packed into the same packaging without opening the sealed portion of the packaging (which was previously sealed when the second article was packed). According to various embodiments, the at least two articles (or the first and second articles) may be parts or components for an assembly, such as a furniture.

[00015] Various embodiments seek to provide a packaging configured to enable packing of the second article (e.g. the main or primary part) at a first facility (e.g. a manufacturing facility) and subsequently packing of the first article (e.g. the auxiliary part) at a second facility (e.g. at the storage facility or a sorting/repacking facility or a retail facility) depending on a selection by a customer. According to various embodiments, the first article (e.g. the auxiliary part) may be a component or a part which may have a plurality of variants that the customer may choose. Accordingly, depending on the choice or selection of the customer, different component or part may become the first article for packing into the packaging containing the second article. According to various embodiments, the packaging may be configured for packing various combination of articles in an efficient and cost-effective manner.

[00016] FIG. 1A shows a perspective view of a packaging 100 for enclosing at least two articles 102, 104 and an auxiliary inner box 132 for enclosing a first article of the at least two articles, according to various embodiments.

[00017] FIG. 1B shows a perspective view of the packaging 100 of FIG. 1A with a primary closure arrangement 120 of the packaging 100 opened to expose a primary opening 121 of the packaging 100, according to various embodiments.

[00018] As shown, the packaging 100 may include a main outer box 110 (or a main body). The main outer box 110 may be an exterior covering structure (e.g. an enclosure, a casing, a casement, a housing etc.) giving concrete form to the packaging 100. The main outer box 110 may define an inner space 111 for containing or holding or receiving the at least two articles 102, 104. In particular, the main outer box 110 may include a base portion 112 (e.g. base) and a top portion 113 (e.g. ceiling). The base portion 112 may be a bottom of the main outer box 110 configured to abut or contact or rest on an external floor (not shown) on which the main outer box 110 of the packaging 100 may be placed on. The top portion 113 may correspond to a primary closure arrangement 120 (described later with reference to FIG. 1B), and may be opposite the base portion 112. The main outer box 110 may further include a side portion 114 (e.g. at least one side wall) extending from the base portion 112, and which may extend between the base portion 112 and the top portion 113. For example, the side portion 114 may include a single continuous wall or panel, or may be a plurality of disparate walls or panels which may be joined or connected, e.g. in an edge-to-edge manner, with each other. The base portion 112, the top portion 113, and the side portion 114 of the main outer box 110 may together define the inner space 111 of the main outer box 110 configured to or for housing or encasing or enclosing or containing the at least two articles 102, 104, which may include the first article 102 and the second article 104. The at least two articles 102, 104, including the first article 102 and the second article 104, may include or be parts or components of an assembly. For example, the at least two articles 102, 104, including the first article 102 and the second article 104, may include or be parts or components for assembling a furniture, such as a chair, table, cupboard, shelf, bed etc., or any type of assembly, arrangement, structure, system, kit etc.

[00019] Thus, when the first and second articles 102, 104 are parts or components for a chair, the first article 102 may be, for example, casters, a seat tilt adjuster, a lever, or a gas lift etc., and the second article 104 may be, for example, a main body and/or seat of the chair etc. Accordingly, the first and second articles 102, 104 may be assembled to form the chair.

[00020] With reference to FIG. 1B, the packaging 100 may further include an internal arrangement 140 delimiting or configured to delimit a portion 115 of the inner space 111 for accommodating the first article 102. In particular, the internal arrangement 140

may be disposed in the inner space 111, and/or secured (e.g. releasably secured) to the main outer box 110 within the inner space 111, to delimit the portion 115 of the inner space 111 for accommodating the first article 102. The delimited portion 115 may include a receptacle space 155 which may be empty and free from any obstruction therewithin to enable the first article 102 to be received entirely within the receptacle space 155 of the delimited portion 115. Further, at least one other portion 116 of the inner space 111 may be for accommodating the second article 104. According to various embodiments, the internal arrangement 140 may segregate or divide or partition the inner space 111 into, at least, the portion 114 of the inner space 111 for accommodating the first article 102 and the at least one other portion 116 of the inner space 111 for accommodating at least the second article 104. According to various embodiments, the packaging 100 may include the internal arrangement 140 which may be disposed and/or oriented and/or arranged and/or configured within the inner space 111 of the main outer box 110 in a manner so as to delimit the portion 115 of the inner space 111 for accommodating the first article 102, and optionally to delimit at least one other portion 116 of the inner space 111 for accommodating at least the second article 104.

[00021] According to various embodiments, the internal arrangement 140 may include an arrangement of remaining articles of the at least two articles 102, 104, other than the first article 102, to delimit the portion 115 of the inner space 111 for accommodating the first article 102. For example, the remaining articles (i.e. other than the first article 102) may include the second article 104. When the arrangement of the second article 104 forms the internal arrangement 140 to delimit the portion 115 of the inner space 111 for accommodating the first article 102 alongside the second article 104 (i.e. a side-by-side arrangement), at least a portion (e.g. a side surface) of the second article 104 may serve as a side wall or a bulwark or a barrier for supporting or aligning or guiding the first article 102 along a side boundary of the portion 115 of the inner space 111 of the packaging 100. When the arrangement of the second article 104 forms the internal arrangement 140 to delimit the portion 115 of the inner space 111 for accommodating the first article 102 above the second article 104 (i.e. a top and bottom arrangement), at least a portion (e.g. a top surface) of the second article 104 may serve as a base or platform or bottom for supporting the first article 102 thereon from a bottom boundary of the portion 115 of the inner space 111 of the packaging 100.

[00022] According to various embodiments, the internal arrangement 140 may include (e.g. further include) at least one partitioning wall (see, for example, partitioning wall 241 of FIG. 2C) to delimit the portion 115 of the inner space 111 for accommodating the first article 102. For example, the at least one partitioning wall 241 may be adjoined or coupled (e.g. directly or indirectly coupled) to and be supported by least a portion of the remaining articles (i.e. other than the first article 102). As another example, the at least one partitioning wall 241 may be adjoined to or coupled to and be supported by the base portion 112 and/or side portion (e.g. at least one inner wall) 114 of the main outer box 110 of the packaging 100. In other words, the at least one partitioning wall 241 may cooperate with the remaining articles (i.e. other than the first article 102), and/or may cooperate with the base portion 112 and/or at least the side portion 114 of the main outer box 110, in a manner such that the at least one partitioning wall 241 may be held in place by the remaining articles (i.e. other than the first article), and/or the base portion 112 and/or at least the side portion 114 of the main outer box 110 to segregate or divide or partition the inner space 111 into, at least, the portion 114 of the inner space 111 for accommodating the first article 102 and the at least one other portion 116 of the inner space 111 for accommodating at least the second article 104 so as to delimit the portion 115 of the inner space 111 for accommodating the first article 102.

[00023] According to various embodiments, the internal arrangement 140 may include a first-article-box-insert 151 (described later with reference to FIG. 1C to FIG. 1E).

[00024] According to various embodiments, when the internal arrangement 140 includes the at least one partitioning wall, and/or the first-article-box-insert 151, the at least one partitioning wall, and/or the first-article-box-insert 151 may be made of a same material as the main outer box 110 of the packaging 100. For example, the main outer box 110 of the packaging 100 and the at least one partitioning wall, and/or the first-article-box-insert 151 may be made of a material selected from any one of paperboard, cardboard, corrugated board, fibreboard, chipboard, plastic board, styrofoam, wood, polymer etc. According to various embodiments, the at least one partitioning wall, and/or the first-article-box-insert 151 may be made of a different material from the main outer box 110 of the packaging 100. For example, when the main outer box 110 is made of one of the material selected from any one of paperboard,

cardboard, corrugated board, fibreboard, chipboard, plastic board, styrofoam, wood, polymer etc., the at least one partitioning wall, and/or the first-article-box-insert 151 may be made of one other material from any one of paperboard, cardboard, corrugated board, fibreboard, chipboard, plastic board, styrofoam, wood, polymer etc.

[00025] According to various embodiments, the main outer box 110 may include a primary closure arrangement 120 for covering the primary opening 121 of the main outer box 110. The primary closure arrangement 120 may be openable to expose the primary opening 121 of the main outer box 110 for accessing the inner space 111. According to various embodiments, opening the primary closure arrangement 120 may expose the primary opening 121 to or for enabling access to the inner space 111, including at least both (i) the portion 115 of the inner space 111 delimited by the internal arrangement 140 for accommodating the first article 102 and (ii) the at least one other portion 116 of the inner space 111 for accommodating the second article 104. Accordingly, when the first article 102 and the second article 104 are respectively in the portion 115 and the at least one other portion 116 of the inner space 111, the primary closure arrangement 120 may be opened to enable removal and/or retrieval of both the first article 102 and the second article 104 from the inner space 111 via (e.g. via only) the primary opening 121. Hence, the primary opening 121 may be sized or dimensioned for accessing more than the portion 115 of the inner space 111 delimited by the internal arrangement 140 for accommodating the first article 102 via the primary opening 121. In other words, the primary opening 121 may provide access to the portion 115 of the inner space 111 delimited by the internal arrangement 140 for accommodating the first article 102 and beyond.

[00026] According to various embodiments, when the primary closure arrangement 120 is in a closed state, the primary closure arrangement 120 may correspond to (e.g. serve as), or may be at, the top portion 113 of the main outer box 110, as shown in FIG. 1B.

[00027] According to various other embodiments (not shown), when the primary closure arrangement 120 is in the closed state, the primary closure arrangement 120 may correspond to or may be at the side portion 114 of the main outer box 110.

[00028] Referring to FIG. 1B, according to various other embodiments, the primary closure arrangement 120 may include or may be at least one flap 122, which may be pivotally attached to a border or an edge of the main outer box 110 defining the primary

opening 121. Accordingly, the at least one flap 122 of the primary closure arrangement 120 may be joined to a segment of a rim of the primary opening 121 via a hinged joint (e.g. a living hinge) so as to be pivotable about the segment of the rim of the primary opening 121. According to various embodiments, the at least one flap 122 may include a single flap (see FIG. 1B), or a plurality of flaps (see FIG. 2B) which may be folded onto each other.

[00029] According to various other embodiments, the primary closure arrangement 120 may include or may be a lid, a panel, a sheet, a cover, or any other suitable closure arrangement.

[00030] Further, according to various embodiments, the main outer box 110 may include a secondary opening 131 for accessing the inner space 111. In particular, according to various embodiments, the secondary opening 131 may be for accessing (e.g. accessing only or solely) the portion 115 of the inner space 111 delimited by the internal arrangement 140 for accommodating the first article 102. According to various embodiments, the secondary opening 131 may provide direct access to the portion 115 of the inner space 111 for accommodating the first article 102, without providing direct access to any other portions of the inner space 111. Thus, according to various embodiments, the second article 104 in the inner space 111 may not be inserted into or removed from the main outer box 110 via the secondary opening 131. Accordingly, according to various embodiments, the secondary opening 131 may be sized/dimensioned and/or positioned/disposed on the main outer box 110 such that the secondary opening 131 may provide access (e.g. access only or solely) to the portion 115 of the inner space 111 for accommodating the first article 102.

[00031] According to various other embodiments (not shown), the main outer box 110 may include a plurality of secondary openings 131 (and, optionally, a plurality of corresponding secondary closure arrangements 130 described later with reference to FIG. 1G to FIG. 1J), each secondary opening 131 of the plurality of secondary openings 131 may be for accessing (e.g. accessing only or solely) a respective portion (e.g. delimited by the internal arrangement 140, for accommodating a respective article) within the inner space 111. According to various other embodiments, at least two secondary openings 131 may be on a same side wall of the side portion 114 of the main outer box 110. According to various other embodiments, at least two secondary

openings 131 may be on different side walls (i.e. of the side portion 114 of the main outer box 110) from each other.

[00032] According to various embodiments, a disposition of the secondary opening 131 with respect to the primary closure arrangement 120 may be in a manner so as to align the secondary opening 131 to the portion 115 of the inner space 111 delimited by the internal arrangement 140 so as to enable or for directly accessing (e.g. accessing only or solely) the portion 115 of the inner space 111 without having to open the primary closure arrangement 120. Hence, for example, while the primary closure arrangement 120 is closed with respect to the main outer box 110, the first article 102 may be inserted into the portion 115 of the inner space 111 delimited by the internal arrangement 140 of the main outer box 110 via the secondary opening 131, without having to open the primary closure arrangement 120. Accordingly, when the primary closure arrangement 120 is closed and sealed, the first article 102 may be removed and swapped with a variant by removing the first article 102 via the secondary opening 131, swapped with the variant and inserting the variant back via the secondary opening 131.

[00033] According to various embodiments, when the packaging 100 is in use, a first operator (e.g. a logistical personnel or an automated arm of a machine) may open the primary closure arrangement 120 of the packaging 100 to deposit the second article 104 in the at least one other portion 116 of the inner space 111 of the packaging 100 for accommodating the second article 104. The first operator may then close the primary closure arrangement 120 to encase the second article 104 within the main outer box 110 of the packaging 100, for example, for storage of the packaging 100 at a warehouse or transportation of the packaging 100 to another facility. Subsequently, the same first operator or a different operator may selectively insert the first article 102 (e.g. which may be a part of an assembly) through the secondary opening 131 of the main outer box 110 of the same packaging 100, to the portion 115 of the inner space 111 delimited by the internal arrangement 140 for accommodating the first article 102, without the operator having to open the primary closure arrangement 120 of the packaging 100.

[00034] According to various embodiments, the packaging 100 may provide an efficient and effective means for packing the first article 102 separately from the second article 104, within the same packaging 100. In particular, the packaging 100 according to the various embodiments may provide an effective means for packing different combinations of customizable parts or components (e.g. the at least two articles,

including the first article 102 and second article 104) at different times and/or different locations, without having to re-open the primary closure arrangement 120. For example, when the first article 102 is customizable and/or swappable with a range of interchangeable parts or components, the second article 104 may be pre-packed into the packaging 100 at the manufacturing facility and the first article 102 may be packed at the storage facility or sorting/repacking facility or retail facility after the customer made a selection of the interchangeable parts or components. Hence, exporters of products may take advantage of the packaging 100, since the packaging 100 provides a means to enable such exporters to first pre-pack an identical portion (e.g. second article 104) of an assembly in the packaging 100, and later easily include a customized remaining parts or components (e.g. first article 102) of the assembly for immediate shipment to a customer, upon selection and confirmation from a customer regarding the customized remaining parts or components (e.g. first article 102).

[00035] According to various embodiments, the secondary opening 131 may be at a distance or height from the base portion 112. For example, the secondary opening 131 may be located at a top-half of the main outer box 110 when the main outer box 110 is in an upright orientation with the base portion 112 on an external ground. The internal arrangement 140 may be arranged and/or configured in a multi-layer manner such that inserting the first article 102 into the secondary opening 131, from the height, to the portion 115 of the inner space 111 delimited by the internal arrangement 140 for accommodating the first article 102 would not cause the first article 102 to fall from the height to the base portion 112 of the main outer box 110 to damage the first article 102. For example, the internal arrangement 140 may include or may be a raised (e.g. sufficiently tall) structure forming a base layer, or may be placed on another object such as the second article 104 or any other remaining article (i.e. other than the first article) to elevate the internal arrangement 140 from the base portion 112. In particular, according to various embodiments, the raised structure (defining a base of the receptacle space 155) for supporting the first article 102 thereon is at least at a same (e.g. substantially same) level as, in other words, may be aligned with (e.g. substantially aligned) or immediately adjacent to, a bottom or base of the secondary opening 131.

[00036] Further, according to various embodiments, the internal arrangement 140 may be configured to delimit the portion 115 of the inner space 111 for accommodating the first article 102 in a manner to snugly accommodate the first article 102 within the

portion 115. Accordingly, the first article 102 may snugly fit into the portion 115 of the inner space 111 for accommodating the first article 102. Hence, the portion 115 of the inner space 111 for accommodating the first article 102 may form a snug-fit cavity (e.g. snug-fit receptacle space 155) for the first article 102. For example, at least two opposing (e.g. directly opposing) surfaces (herein “contact surfaces”) defining the portion 115 (e.g. receptacle space 155) of the inner space 111 for accommodating the first article 102 may be arranged to arrest or engage two corresponding opposite (e.g. directly opposite) surfaces of the first article 102 to grip or hold the first article 102 when the first article is placed in the portion 115 of the inner space 111 for accommodating the first article 102.

[00037] According to various embodiments, the first article 102 may be smaller in size than the second article 104. According to various embodiments, the secondary opening 131 may be smaller than the primary opening 121, for example, as shown in FIG. 1B. Therefore, a closest direct width or an average width of the secondary opening 131 may be smaller than that of the primary opening 121. As an example, the secondary opening 131 may be less than three-quarters a size of the primary opening 121. As another example, the secondary opening 131 may be less than half the size of the primary opening 121.

[00038] According to various embodiments, each of the primary and secondary openings 121, 131 may include or may have a shape, such as a polygonal shape, a circular shape, a triangle shape, star shape, heart shape, a cross shape, an irregular shape, or any other shape etc.

[00039] According to various embodiments, a shape of each of the primary opening 121 and the secondary opening 131 may be similar or identical to each other. For example, the primary opening 121 and the secondary opening 131 may both include or have a polygonal shape (e.g. four-sided polygon, as shown in FIG. 1B), or may both include or have a circular shape (not shown).

[00040] According to various other embodiments (not shown), the primary and secondary opening 121, 131 may differ shape-wise from each other. For example, either one of the primary opening 121 or the secondary opening 131 may have a polygonal shape while the other of the primary opening 121 or the secondary opening 131 may have a circular shape.

[00041] With reference to FIG 1A, according to various embodiments, the packaging 100 may further include an auxiliary inner box 132 configured to or for enclosing the first article 102. Accordingly, the portion 115 of the inner space 111 (i.e. delimited by the internal arrangement 140 for accommodating the first article) may be dimensioned to accommodate the auxiliary inner box 132 for containing the first article 102. Accordingly, the secondary opening 131 may be dimensioned to enable withdrawal (e.g. removal) and insertion of the auxiliary inner box 132 via the secondary opening 131.

[00042] For ease of illustration, various embodiments herein may be described with reference to (e.g. only to) the auxiliary inner box 132, or to (e.g. only to) the first article 102. Nevertheless, embodiments described herein as such is not limited thereto. Thus, for example, embodiments made with reference to the auxiliary inner box 132 may be applicable to (e.g. only to, or additionally to) the first article 102, and vice versa.

[00043] FIG. 1C shows an isolated perspective view of the first-article-box-insert 151 of the internal arrangement 140 of the packaging 100 of FIG. 1A, with the auxiliary inner box 132 for containing the first article 102 in a receptacle space 155 of the first-article-box-insert 151 for accommodating the auxiliary inner box 132, according to various embodiments.

[00044] FIG. 1D and FIG. 1E show isolated perspective views of the first-article-box-insert 151 of FIG. 1C, with the auxiliary inner box 132 partially removed from a first window 153 of the first-article-box-insert 151, according to various embodiments.

[00045] With reference to FIG. 1C to FIG. 1E, according to various embodiments, the internal arrangement 140 may include the first-article-box-insert 151 to delimit the portion 115 of the inner space 111 for accommodating the first article 102. When the first article 102 is to be contained in the auxiliary inner box 132, the portion 115 of the inner space 111 delimited by the internal arrangement 140 for accommodating the first article 102 may also be delimited for accommodating the auxiliary inner box 132 containing the first article 102.

[00046] As shown, the first-article-box-insert 151 may include a frame structure 152 defining the receptacle space 155 for accommodating the first article 102 or for accommodating the auxiliary inner box 132. The frame structure 152 may be a sturdy or rigid (e.g. substantially or sufficiently sturdy) frame structure 152. For example, the

frame structure 152 may include or may be made of a metal, wood, polymer, memory foam, paper (e.g. corrugated paper), styrofoam etc.

[00047] As shown, the frame structure 152 may include the first window 153 and the second window 154. Each of the first window 153 and the second window 154 may be a respective aperture or a through-hole, for enabling an object (e.g. the first article 102 or the auxiliary inner box 132) to pass therethrough. A size or shape of the first window 153 may be dimensioned for the first article 102 or the auxiliary inner box 132 to pass through sideways or laterally from a side of the first article 102 or the auxiliary inner box 132. In particular, the size or shape of the first window 153 may be equal (e.g. substantially equal) to or larger than a side profile (e.g. from a first plane, which may be substantially parallel to the side) of the first article 102 or the auxiliary inner box 132. Further, a size or shape of the second window 154 may be dimensioned for the first article 102 or the auxiliary inner box 132 to pass through lengthwise or longitudinally from an end (e.g. longitudinal end) of the first article 102 or the auxiliary inner box 132. In particular, the size or shape of the second window 154 may be equal (e.g. substantially equal) to or larger than an end profile (e.g. from a second plane, which may be perpendicular to the first plane) of the first article 102 or the auxiliary inner box 132.

[00048] According to various embodiments, the side profile of the first article 102 or the auxiliary inner box 132 may be larger than the end profile of the first article 102 or the auxiliary inner box 132. Accordingly, according to various embodiments, the first window 153 may be larger than the second window 154, as shown in FIG. 1C to FIG. 1E.

[00049] According to various other embodiments (not shown), the side profile of the first article 102 or the auxiliary inner box 132 may be smaller than, or equal, in size to the end profile of the first article 102 or the auxiliary inner box 132. Accordingly, according to various other embodiments, the first window 153 may be smaller than, or equal, in size to the second window 154.

[00050] According to various embodiments, the frame structure 152 may be disposed or arranged within the inner space 111 of the main outer box 110 in a manner such that the first window 153 may be directed towards the primary closure arrangement 120 and/or aligned to the primary opening 121 of the main outer box 110. Further, the second window 154 of the frame structure 152 may be aligned to the secondary opening 131

of the main outer box 110. Accordingly, a size and/or shape of the second window 154 may substantially (e.g. sufficiently) correspond to a size and/or shape of the secondary opening 131. As such, the first article 102 or the auxiliary inner box 132 may be removable from and may be insertable into the portion 115 of the inner space 111 of the main outer box 110 via the second window 154 of the frame structure 152 and via the secondary opening 131 of the main outer box 110. Further, the first article 102 may be removable from and may be insertable into the portion 115 of the inner space 111 of the main outer box 110 via the first window 153 of the frame structure 152 and via the primary opening 121 of the main outer box 110, when the primary closure arrangement 120 is opened. Accordingly, the first article 102 may be inserted into the portion 115 of the inner space 111 of the main outer box 110 through the second window 154 and secondary opening 131, and thereafter may be removed from the portion 115 of the inner space 111 of the main outer box 110 through the first window 153 and the primary opening 121, and vice versa.

[00051] With reference to FIG. 1C and FIG. 1E, according to various embodiments, the frame structure 152 may include at least one recess or groove 159, positioned at or extending from at least one edge or border of the frame structure 152 defining the first window 153. The at least one recess or groove 159 may facilitate removal of the first article 102 or the auxiliary inner box 132 from the first window 153. For example, the at least one recess or groove 159 may be sized to receive a human finger or a mechanical probe (e.g. of an automated arm of a machine for a logistical process). As shown, the recess or groove 159 may be a channel running along a height of an inner side wall of the frame structure 152 defining the receptacle space 155.

[00052] With reference to 1B, according to various embodiments, a hole-axis of the primary opening 121 may be perpendicular (e.g. substantially perpendicular) to a hole-axis of the secondary opening 131. Thus, according to various embodiments, the primary opening 121 may be disposed or located separately from the secondary opening 131. In particular, according to various embodiments, the primary opening 121 may be at the top portion 113 of the main outer box 110 of the packaging 100. Accordingly, the primary closure arrangement 120 may be disposed at the top portion 113 of the main outer box 110, opposite the base portion 112 of the main outer box 110. Further, the secondary opening 131 may be at the side portion 114 (e.g. at least one side wall) of the main outer box 110. Accordingly, to provide alignment between (i) the first window

153 of the first-article-box-insert 151 and the primary opening 121 of the main outer box 110 and between (ii) the second window 154 of the of the first-article-box-insert 151 and the secondary opening 131 of the main outer box 110, a hole-axis of the first window 153 of the frame structure 152 of the first-article-box-insert 151 may be perpendicular (e.g. substantially perpendicular) to a hole-axis of the second window 154 of the frame structure 152 of the first-article-box-insert 151 according to various embodiments. Hence, the first window 153 and the second window 154 may be on different surfaces of the frame structure 152 of the first-article-box-insert 151. Nonetheless, the first window 153 and the second window 154 may provide access to the receptacle space 155. Accordingly, the first window 153 and the second window 154 may be interconnected via the receptacle space 155.

[00053] According to various other embodiments (not shown), the hole-axis of the primary opening 121 may be parallel (e.g. substantially parallel) to the hole-axis of the secondary opening 131. For example, the primary opening 121 and the secondary opening 131 may be at opposite portions 112, or 113, or 114 of the main outer box 110. As another example, the primary opening 121 and the secondary opening 131 may be co-located at a same portion 112, or 113, or 114 of the main outer box 110. Accordingly, according to various other embodiments, the hole-axis of the first window 153 of the frame structure 152 of the first-article-box-insert 151 may be parallel (e.g. substantially parallel) to the hole-axis of the second window 154 of the frame structure 152 of the first-article-box-insert 151.

[00054] FIG. 1F shows a perspective view of a multi-layer-box-insert-arrangement 150 of the internal arrangement 140 of the packaging 100 of FIG. 1A, according to various embodiments.

[00055] With reference to FIG. 1F, the internal arrangement 140 may include the multi-layer-box-insert-arrangement 150. For example, as shown, the multi-layer-box-insert-arrangement 150 may include a base-layer-box-insert 157 and the first-article-box-insert 151 which may be supported on the base-layer-box-insert 157. Accordingly, the base-layer-box-insert 157 may serve as a platform or stage for elevating the first-article-box-insert 151 at a height or distance from the base portion 112 of the main outer box 110 (e.g. when the main outer box 110 is in an upright orientation). Thus, the base-layer-box-insert 157 may be a stage-like or platform-like structure, which may be a

separate entity from (in other words, does not include) the second article 104 and/or remaining articles of the at least two articles (i.e. other than the first article 102).

[00056] According to various other embodiments, the base-layer-box-insert 157 may contain or hold the second article 104 and/or remaining articles of the at least two articles (i.e. other than the first article 102).

[00057] As shown in FIG. 1F, according to various embodiments, the base-layer-box-insert 157 may further include a first engagement element 158. Further, the first-article-box-insert 151 may include a second engagement element 156 for inter-engaging with the first engagement element 158. The first engagement element 158 and the second engagement element 156 may include or may be, for example, a pair of inter-engageable snap-fit elements, press-fit elements, friction-fit elements, ball and socket joint, attracting magnets, protrusion and recess, tongue and groove, at least one bracket (e.g. on the base-layer-box-insert 157 for receiving the first-article-box-insert 151, or on the first-article-box-insert 151 for receiving the base-layer-box-insert 157), or any other suitable type of fastener or engagement element. Accordingly, the first engagement element 158 and the second engagement element 156 may be inter-engaged with each other to hold (e.g. reversibly hold or reversibly secure) the first-article-box-insert 151 in place, relative to the base-layer-box-insert 157, when the first-article-box-insert 151 is supported or disposed on the base-layer-box-insert 157. In other words, the first engagement element 158 and the second engagement element 156 of the base-layer-box-insert 157 and the first-article-box-insert 151, when inter-engaged with each other, may prohibit the first-article-box-insert 151 from movement (e.g. sliding/lateral and/or vertical movement) with respect to the base-layer-box-insert 157.

[00058] Further, according to various embodiments, the base-layer-box-insert 157 may be configured in a manner so as to be immovable (e.g. substantially immovable) at least along a lateral (or horizontal) plane of the main outer box 110 (e.g. when the main outer box 110 is in an upright orientation), when the base-layer-box-insert 157 is in the inner space 111 of the main outer box 110 of the packaging 100. For example, at least one side or lateral edge (e.g. a continuous side, adjacent sides, or non-adjacent sides) of the base-layer-box-insert 157 may be configured (e.g. dimensioned) to conform or mate with a corresponding or mating inner surface of the side portion 114 of the main outer box 110. For example, the base-layer-box-insert 157 may include

three straight edges (or a quadrant edge) configured to mate with three corresponding straight inner surfaces (or inner quadrant surface) of the side portion 114 of the main outer box 110, such that the base-layer-box-insert 157 may be immovable along at least the lateral (e.g. horizontal) plane of the main outer box 110, when the base-layer-box-insert 157 is in the inner space 111 of the main outer box 110. As another example, when the main outer box 110 includes a quadrilateral (i.e. four-sided polygon) side portion 114 (e.g. side walls), the base-layer-box-insert 157 may include a triangular shape with two adjacent sides of the triangular shape having an equal (e.g. substantially equal) length as two corresponding adjacent walls of the quadrilateral side portion 114 of the main outer box 110. Accordingly, according to various embodiments, when the first-article-box-insert 151 is inter-engaged with the base-layer-box-insert 157, and with the base-layer-box-insert 157 configured to be immovable with respect to the main outer box 110, the first-article-box-insert 151 may be prohibited from moving (e.g. sliding) along at least the lateral plane of the main outer box 110, when the base-layer-box-insert 157 and the first-article-box-insert 151 are both in the inner space 111 of the main outer box 110 of the packaging 100. In other words, according to various embodiments, the packaging 100 may be configured such that the first-article-box-insert 151 may be immovable with respect to the main outer box 110, when the first-article-box-insert 151 is in the inner space 111 of the main outer box 110, thereby minimising or preventing misalignment between (i) the first window 153 of the first-article-box-insert 151 and the primary opening 121 of the main outer box 110, and between (ii) the second window 154 of the of the first-article-box-insert 151 and the secondary opening 131 of the main outer box 110, for example, during movement (e.g. transport or shipment) of the packaging 100

[00059] FIG. 1G to FIG. 1J show various views of selectively inserting the auxiliary inner box 132 containing the first article 102 into the main outer box 110 of the packaging 100 of FIG. 1A, and covering the inserted auxiliary inner box 132 in the main outer box 110 with a secondary closure arrangement 130 of the packaging 100, according to various embodiments.

[00060] With reference to FIG. 1G, according to various embodiments, the packaging 100 may further include a secondary closure arrangement 130 configured to or for covering or sealing the secondary opening 131 of the main outer box 110.

[00061] For example, as shown, according to various embodiments, the secondary closure arrangement 130 may include or may be a sheet, for example, an adhesive sheet (e.g. sticker), which may be placed over the secondary opening 131 to cover the secondary opening 131. The secondary closure arrangement 130, which may be an adhesive sheet, may be larger in size than the secondary opening 131 such that a portion 115 (e.g. peripheral portion or border) of the secondary closure arrangement 130 may engage or contact (e.g. adhere) to an outer surface of the main outer box 110 to keep (e.g. secure) the secondary closure arrangement 130 closed relative to the main outer box 110.

[00062] According to various embodiments, the secondary closure arrangement 130 may include or may be a flap (as shown in figure 1G, which may be a foldable or pivotable flap).

[00063] According to various other embodiments (not shown), the secondary closure arrangement 130 may include or may be a lid (e.g. detachable or separable lid), a cover (e.g. openable cover), a panel, or any other type of secondary closure arrangement.

[00064] With reference to FIG. 1G, according to various embodiments, the secondary closure arrangement 130 may include a first part 130a and a second part 130b. The first part 130a may be a flap pivotable to close the secondary opening 131, and the second part 130b may be an adhesive sheet for (e.g. subsequently) covering over the flap when pivoted to close the secondary opening 131. When the first article 102 or the auxiliary inner box 132 is desired to be inserted into the portion 115 of the portion 115 of the inner space 111 of the main outer box 110 delimited for accommodating the first article 102, the first part 130a of the secondary closure arrangement 130 may be opened (e.g. flipped open) from the main outer box 110 to expose the secondary opening 131 for inserting the first article 102 or the auxiliary inner box 132 through the secondary opening 131 into the portion 115 of the inner space 111 of the main outer box 110 delimited for accommodating the first article 102. In order to encase the inserted first article 102 or the auxiliary inner box 132 within the main outer box 110, the first part 130a of the secondary closure arrangement 130 may be closed to cover the secondary opening 131, the second part 130b of the secondary closure arrangement 130 may then be placed over the first part 130a to seal the first part 130a to the main outer box 110. Accordingly, the second part 130b may include or may be, for example, an adhesive

sheet (e.g. sticker), or any other suitable closure arrangement, which may be sized to cover or seal the first part 130a.

[00065] According to various embodiments (not shown), the first part 130a may be (e.g. initially) detachably attached to the main outer box 110 to cover the secondary opening 131, and the second part 130b may be configured to or for (e.g. subsequently) covering the secondary opening 131. For example, the first part 130a may be a sheet or panel (not shown) detachably attached to the main outer box 110 for example via a perforated joint (e.g. along a border of the sheet or panel), to initially cover the secondary opening 131. When the first article 102 or the auxiliary inner box 132 is desired to be inserted into the portion 115 of the inner space 111 of the main outer box 110 delimited for accommodating the first article 102, the first part 130a of the secondary closure arrangement 130 may be opened (e.g. removed, detached, or torn away etc.) from the main outer box 110 to expose the secondary opening 131 for inserting the first article 102 or the auxiliary inner box 132 through the secondary opening 131 into the portion 115 of the inner space 111 of the main outer box 110 delimited for accommodating the first article 102. In order to encase the inserted first article 102 or the auxiliary inner box 132 within the main outer box 110, the second part 130b of the secondary closure arrangement 130 may then be placed over the exposed secondary opening 131 to cover and seal the secondary opening 131. Accordingly, the second part 130b may include or may be, for example, an adhesive sheet (e.g. sticker), or any other suitable closure arrangement, which may be sized to cover or seal the exposed secondary opening 131.

[00066] According to various embodiments (not shown), the secondary closure arrangement 130 may include only a single part and the single part may be an adhesive sheet. Accordingly, the main outer box 110 may include the secondary opening 131. When the first article 102 or the auxiliary inner box 132 is desired to be inserted into the portion 115 of the inner space 111 of the main outer box 110 delimited for accommodating the first article 102, the first article 102 or the auxiliary inner box 132 may be inserted through the secondary opening 131 into the portion 115 of the inner space 111 of the main outer box 110 delimited for accommodating the first article 102. In order to encase the inserted first article 102 or the auxiliary inner box 132 within the main outer box 110, the secondary closure arrangement 130 may then be placed over the exposed secondary opening 131 to cover and seal the secondary

opening 131. Accordingly, the secondary closure arrangement 130 may include or may be, for example, an adhesive sheet (e.g. sticker), or any other suitable closure arrangement, which may be sized to cover or seal the exposed secondary opening 131.

[00067] Referring to FIG. 1G, when the secondary closure arrangement 130 include the adhesive sheet, the adhesive sheet may be configured to be insertable into and encased within the auxiliary inner box 132 together with the first article 102. For example, the auxiliary inner box 132 may be dimensioned to receive the adhesive sheet therein. The adhesive sheet may be made of a flexible material (e.g. paper) which may be folded or rolled so as to fit within the auxiliary inner box 132.

[00068] During a logistical operation or process which involves the use of the packaging 100 of the various embodiments, when a selected first article 102 (e.g. a gas lift for a chair having a customizable property, such as size and/or strength, which may be determined by a customer of the chair) is ready to be packed into the packaging 100 already containing the second article 104 in the other portion 116 of the packaging 100, a corresponding auxiliary inner box 132, containing both the selected first article 102 and a respective adhesive sheet serving as the secondary closure arrangement 130 (or part of the secondary closure arrangement 130, e.g. second part 130b) for covering the secondary opening 131 of the main outer box 110 of the packaging 100, may be retrieved from an inventory (e.g. which may include a plurality of other auxiliary inner boxes of different variant). The adhesive sheet in the retrieved auxiliary inner box 132 may then be taken out of the auxiliary inner box 132, leaving only the first article 102 in the auxiliary inner box 132. The said auxiliary inner box 132 together with the first article 102 therein may then be inserted through the secondary opening 131 of the main outer box 110 of the packaging 100 into the portion 115 of the inner space 111 of the main outer box 110 delimited by the internal arrangement 140 for accommodating the auxiliary inner box 132. Thereafter, the removed adhesive sheet (from the said auxiliary inner box 132) may be placed over the secondary opening 131 of the main outer box 110 to cover the secondary opening 131, thereby encasing the auxiliary inner box 132 together with the first article 102 in the main outer box 110 of the packaging 100. Subsequently, to unpack the first article 102 and the second article 104 from the packaging 100, the primary closure arrangement 120 may be opened to remove the auxiliary inner box 132 containing the first article 102 as well as to remove the second

article 104 via the primary opening 121, without having to open the secondary closure arrangement 130 (i.e. the adhesive sheet).

[00069] FIG. 2A shows a packaging 200 for enclosing at least two articles, including the first article 102 and the second article 104, according to various embodiments.

[00070] FIG. 2B shows an exploded view of a main outer box 210 of the packaging 200 of FIG. 2A and at least one reinforcing support member 22 of the packaging 200 for reinforcing the main outer box 210, according to various embodiments.

[00071] The packaging 200 as shown in FIG. 2A and 2B may differ from the packaging 100 of FIG. 1A in that the primary closure arrangement 220 of the packaging 200 may include or may be a plurality of flaps (e.g. four flaps), which may be folded onto each other to close the primary closure arrangement 220 over the primary opening 221 and which may be unfolded from each other to open the primary closure arrangement 220 to expose the primary opening 221.

[00072] The packaging 200 may, similar to the packaging 100 of FIG. 1A, include a secondary closure arrangement 230, such as a flap, for covering a secondary opening 231 of the main outer box 210 of the packaging 200. As shown in FIG. 2A, according to various embodiments, the secondary closure arrangement 230 of the packaging 200 may further include a look-through window 233 for observing the inner space 211, in particular, for observing a portion 215 of the inner space 211 delimited by an internal arrangement 240 (see FIG. 2C) for accommodating the first article 102, when the secondary closure arrangement 230 is closed. The look-through window 233 may be an aperture (e.g. through-hole) on the secondary closure arrangement 230, and may optionally include a transparent film over the aperture.

[00073] With reference to FIG. 2B, the packaging 200 may include at least one reinforcing support member 22 for reinforcing the main outer box 210 of the packaging 200. The at least one reinforcing support member 22 may be a rigid reinforcing support member 22 including a material, such as metal, hardwood (e.g. walnut, mahogany etc.), a polymer (e.g. rigid polymer, such as high-density Polyethylene), carbon fiber, etc.

[00074] According to various embodiments, the main outer box 210 of the packaging 200 may be made of a material, such as paperboard, cardboard, corrugated board, fibreboard, chipboard, plastic board, styrofoam, softwood (e.g. spruce, pine etc.), a polymer (e.g. flexible polymer, such as low-density Polyethylene) etc.

[00075] Accordingly, the at least one rigid reinforcing support member 22, which may be a column, rod, or reinforced corner guard etc., may be disposed in a position and orientation so as to extend upright (e.g. substantially upright) from a base portion 212 of the main outer box 210 and against a side portion 214 (e.g. at least one side wall) of the main outer box 210, to reinforce the side portion 214 of the main outer box 210 from collapsing or buckling under a weight stacked or placed on the main outer box 210 (e.g. when the primary closure arrangement 220 is closed). According to various embodiments, the at least one reinforcing support member 22 may be positioned at each side corner of the side portion 214 of the main outer box 210 to provide reinforcement to the main outer box 210 from each side corner. Each of the at least one reinforcing support member 22 may extend substantially perpendicularly from the base portion 212, i.e. so as to be parallel (e.g. substantially parallel) with one another, while engaging the side portion 214 of the main outer box 210. According to various embodiments, when the packaging 200 includes a plurality of reinforcing support members 22, the plurality of reinforcing support members 22 may be similar or identical (e.g. in terms of length, and/or shape, and/or form, and/or material etc.) with each other. According to various embodiments, the at least one reinforcing support member 22 may be within the inner space 211 of the main outer box 210. According to various embodiments, the at least one reinforcing support member 22 may be embedded (e.g. partially or entirely embedded) within the side portion 214 (e.g. at least one side wall) of the main outer box 210 of the packaging 200. According to various embodiments, the at least one reinforcing support member 22 may engage or be supported against an outer surface or wall (i.e. side portion 214) of the main outer box 210.

[00076] As shown in FIG. 2A, according to various embodiments, the main outer box 210 may include or may have a cuboid shape (which may be similar or identical to the shape of the main outer box 110 of the packaging 100 of FIG. 1A), when the primary closure arrangement 220 is closed. Further, with reference to FIG. 2B, the packaging 200 may include at least four reinforcing support member 22, wherein each reinforcing member may extend along a respective side corner of the main outer box 210 to support the main outer box 210 from the four side corners of the main outer box 210.

[00077] According to various other embodiments (not shown), the main outer box 210 of the packaging 200 (or the packaging 100 of FIG. 1A) may form or may include

a cylindrical or tubular shape (e.g. the side portion 214 may be a curved wall), a spherical shape, a triangular or pyramid shape, an irregular shape, or any other shape.

[00078] FIG. 2C shows the internal arrangement 240 of the packaging 200 of FIG. 2A, according to various embodiments.

[00079] As shown, the internal arrangement 240, may similar to the internal arrangement 140 of FIG. 1A, include the multi-layer-box-insert-arrangement 150 which may include the base-layer-box-insert 157 and the first-article-box-insert 151 which may, in turn, receive an auxiliary inner box 232 for the first article 102. As shown, the first-article-box-insert may be disposed or supported on or above the base-layer-box-insert 157.

[00080] As shown, according to various embodiments, the internal arrangement 240 may further include at least one partitioning wall 241 configured to delimit the portion 215 of the inner space 211 of the main outer box 210 for accommodating the first article 102 (which may be housed in the auxiliary inner box 232 and which may be placed in the receptacle space 155 of the first-article-box-insert 151), for example, when the internal arrangement 240 is disposed within the inner space 211. Hence, the at least one partitioning wall 241 may be configured to delimit the portion 215 of the inner space 211 of the main outer box 210, for example, when the internal arrangement 240 is disposed within the inner space 211, for accommodating the auxiliary inner box 232 for the first article 102 or accommodating the first-article-box-insert 151 for the auxiliary inner box 232.

[00081] As shown, according to various embodiments, the at least one partitioning wall 241 may be adjoined to an upper surface of the base-layer-box-insert 157. Accordingly, according to various embodiments, the at least one partitioning wall 241 may be coupled to the base portion 212 of the inner box, via an intervening feature such as the base-layer-box-insert 157 or via an article (e.g. second article 104).

[00082] As shown, the at least one partitioning wall 241 of the internal arrangement 240 may include a plurality (e.g. three) partitioning walls 241. The at least one partitioning wall 241 (e.g. three partitioning walls 241) may be joined to together in an end-to-end manner to form the portion for accommodating the first article 102, on one side of the at least one partitioning wall 241, as well as to form at least one other portion 216 for accommodating at least the second article 104 and/or remaining articles (other

than the first article 102 and second article 104), on another (e.g. opposite) side of the at least one partitioning wall 241.

[00083] The other features of the packaging 200 may be similar or identical to those of the packaging 100 of FIG. 1A.

[00084] FIG. 3A depicts steps of a method 300 of packing at least two articles, including the first article 102 and the second article 104.

[00085] According to various embodiments, the method 300 may include providing the packaging 100 of FIG. 1A or the packaging 200 of FIG. 2A.

[00086] The method 300 may include opening the primary closure arrangement 120, 220 and inserting the second article 104, through the exposed primary opening 121, 221 of the main outer box 110, 210, to place the second article 104 within the at least one other portion 116, 216 of the inner space 111, 211.

[00087] The method 300 may further include inserting the first article 102, through the secondary opening 131, 231, to place the first article 102 within the portion 115, 215 of the inner space 111, 211 delimited by the internal arrangement 140, 240.

[00088] According to various embodiments, inserting the first article 102, through the secondary opening 131, 231, to place the first article 102 within the portion 115, 215 of the inner space 111, 211 delimited for accommodating the first article 102 may be subsequent to inserting the second article 104, through the exposed primary opening 121, 221 of the main outer box 110, 210, to place the second article 104 within the at least one other portion 116, 216 of the inner space 111, 211.

[00089] The method 300 may further include closing the primary closure arrangement 120, 220 before inserting the first article 102, through the secondary opening 131, 231, to place the first article within the portion 115, 215 of the inner space 111, 211 delimited for accommodating the first article 102.

[00090] According to various embodiments, inserting the second article 104, through the exposed primary opening 121, 221 of the main outer box 110, 210, to place the second article 104 within the at least one other portion 116, 216 of the inner space 111, 211 may include placing and/or disposing and/or orientating and/or arranging and/or configuring the second article 104 within the at least one other portion 116, 216 of the inner space 111, 211 in a manner so as to form at least a portion of the internal arrangement 140, 240 delimiting the portion 115, 215 of the inner space 111, 211 for accommodating the first article 102.

[00091] The method 300 may further include covering the secondary opening 131, 231 of the main outer box 110, 210 with the secondary closure arrangement 130, 230 after inserting the first article 104, through the secondary opening 131, 231, to place the first article 102 within the portion 115, 215 of the inner space 111, 211.

[00092] According to various embodiments, when the secondary opening 131, 231 comprises the first part 130a and the second part 130b, the method 300 may further include opening or removing the first part 130a to expose the secondary opening 131, 231 before inserting the first article, through the exposed secondary opening 131, 231, to place the first article within the portion 115, 215 of the inner space 111, 211 delimited for accommodating the first article 102, and thereafter, covering the exposed secondary opening 131, 231 with the second part 130b over the secondary opening 131, 231 and/or the first part 130a.

[00093] According to various embodiments, the method 300 may be performed at or within a first facility (e.g. a manufacturing facility) and at or within a second facility (e.g. a storage facility or a sorting/repacking facility or a retail facility).

[00094] For example, the method 300 may include opening the primary closure arrangement 120, 220 and inserting the second article 104, through the exposed primary opening 121, 221 of the main outer box 110, 210, to place the second article 104 within the at least one other portion 116, 216 of the inner space 111, 211, at the first facility (e.g. first location).

[00095] The method 300 may further include inserting the first article 102, through the secondary opening 131, 231, to place the first article 102 within the portion 115, 215 of the inner space 111, 211 delimited for accommodating the first article 102, at a second facility (e.g. another location).

[00096] According to various embodiments, inserting the first article 102, through the secondary opening 131, 231, to place the first article 102 within the portion 115, 215 of the inner space 111, 211, at the second facility, may be subsequent to inserting the second article 104, through the exposed primary opening 121, 221 of the main outer box 110, 210, to place the second article 104 within the at least one other portion 116, 216 of the inner space 111, 211, at the first facility.

[00097] The method 300 may further include closing the primary closure arrangement 120, 220, at the first facility, before inserting the first article 102, through

the secondary opening 131, 231, to place the first article 102 within the portion 115, 215 of the inner space 111, 211, at the second facility.

[00098] According to various embodiments, inserting the second article 104, through the exposed primary opening 121, 221 of the main outer box 110, 210, to place the second article 104 within the at least one other portion 116, 216 of the inner space 111, 211, at the first facility, may include placing and/or disposing and/or orientating and/or arranging and/or configuring the second article 104 within the at least one other portion 116, 216 of the inner space 111, 211 in a manner so as to form at least a portion of the internal arrangement 140, 240 delimiting the portion 115, 215 of the inner space 111, 211 for accommodating the first article 102.

[00099] The method 300 may further include covering the secondary opening 131, 231 of the main outer box 110, 210 with the secondary closure arrangement 130, 230, at the second facility, after inserting the first article 102, through the secondary opening 131, 231, to place the first article 102 within the portion 115, 215 of the inner space 111, 211, at the second facility.

[000100] According to various embodiments, when the secondary opening 131, 231 comprises the first part 130a and the second part 130b, the method 300 may further include removing or opening the first part 130a, at the second facility, to expose the secondary opening 131, 231 before inserting the first article 102, through the exposed secondary opening 131, 231, to place the first article 102 within the portion 115, 215 of the inner space 111, 211, at the second facility, and thereafter, covering the exposed secondary opening 131, 231 with the second part 130b over the secondary opening 131, 231 and/or the first part 130a, at the second facility.

[000101] Various embodiments of a packaging have been provided to address at least some of the issues identified earlier.

[000102] In particular, various embodiments of the packaging may provide an efficient and effective means for packing the first article separately from the second article, within the same packaging.

[000103] In addition, various embodiments of the packaging may provide a means for packing the first article at a different time and/or location from the second article, while minimizing risk of damage to the first article.

[000104] While the invention has been particularly shown and described with reference to specific embodiments, it should be understood by those skilled in the art

that various changes, modification, variation in form and detail may be made therein without departing from the scope of the invention as defined by the appended claims. The scope of the invention is thus indicated by the appended claims and all changes which come within the meaning and range of equivalency of the claims are therefore intended to be embraced.

CLAIMS

1. A packaging for enclosing at least two articles, including a first article and a second article, the packaging comprising:
 - a main outer box defining an inner space; and
 - an internal arrangement delimiting a portion of the inner space for accommodating the first article,wherein the main outer box comprises:
 - a primary closure arrangement openable to expose a primary opening of the main outer box for accessing the inner space, including the portion of the inner space and at least one other portion of the inner space for accommodating the second article, and
 - a secondary opening,wherein the secondary opening is smaller than the primary opening, and
 - wherein a disposition of the secondary opening with respect to the primary closure arrangement is in a manner so as to align the secondary opening to the portion of the inner space delimited by the internal arrangement for directly accessing the portion of the inner space without having to open the primary closure arrangement.
2. The packaging of claim 1, further comprising
 - an auxiliary inner box for enclosing the first article, wherein the portion of the inner space is dimensioned to accommodate the auxiliary inner box and the secondary opening is dimensioned to enable withdrawal and insertion of the auxiliary inner box via the secondary opening.
3. The packaging of claim 1 or 2,
 - wherein the internal arrangement comprises a first-article-box-insert to delimit the portion of the inner space for accommodating the first article, wherein the first-article-box-insert comprises a frame structure defining a receptacle space for accommodating the first article, wherein the frame structure comprises:

a first window directed towards the primary closure arrangement, and
a second window aligned to the secondary opening of the main outer box,
whereby the first article is removable from and insertable into the portion
of the inner space of the main outer box via the second window of the frame
structure and the secondary opening of the main outer box, and via the first
window of the frame structure and the primary opening of the main outer box
when the primary closure arrangement is opened.

4. The packaging of claim 3,

wherein the internal arrangement comprises a multi-layer-box-insert-
arrangement, the multi-layer-box-insert-arrangement comprising a base-layer-box-
insert and the first-article-box-insert supported on the base-layer-box-insert, wherein
the base-layer-box-insert comprises a first engagement element and the first-article-
box-insert comprises a second engagement element, wherein the first engagement
element and the second engagement element are inter-engaged with each other to hold
the first-article-box-insert in place when supported on the base-layer-box-insert.

5. The packaging of claim 1 or 2,

wherein the internal arrangement comprises at least one partitioning wall to
delimit the portion of the inner space for accommodating the first article.

6. The packaging of claim 1 or 2,

wherein the internal arrangement comprises an arrangement of remaining
articles of the at least two articles, other than the first article, to delimit the portion of
the inner space for accommodating the first article.

7. The packaging of any one of claims 1 to 6,

wherein the main outer box comprises (i) a base and (ii) at least one side wall
extending from the base; and

wherein the primary closure arrangement is disposed opposite the base of the main outer box and the secondary opening is positioned on the at least one side wall of the main outer box.

8. The packaging of claim 7,
wherein a hole-axis of the primary opening when the primary closure arrangement is opened is substantially perpendicular to a hole-axis of the secondary opening.
9. The packaging of any one of claims 1 to 8,
wherein the primary closure arrangement comprises a lid, a cover, a flap, a panel, or a sheet.
10. The packaging of any one of claims 1 to 8,
wherein the primary closure arrangement comprises a plurality of flaps folded onto each other.
11. The packaging of any one of claims 1 to 10, further comprising:
a secondary closure arrangement to cover the secondary opening.
12. The packaging of claim 11,
wherein the secondary closure arrangement comprises a lid, a cover, a flap, a panel, or a sheet.
13. The packaging of any one of claims 1 to 12,
wherein the main outer box is made of paperboard, cardboard, corrugated board, fibreboard, chipboard, styrofoam, softwood, or a polymer.
14. The packaging of any one of claims 1 to 13,

wherein the main outer box comprises a cuboid shape or a cylindrical shape when the primary closure arrangement is closed.

15. A method of packing at least two articles, including a first article and a second article, the method comprising:

providing the packaging of any one of claims 1 to 14;

opening the primary closure arrangement of the main outer box of the packaging and inserting the second article, through the exposed primary opening of the main outer box, to place the second article within the at least one other portion of the inner space; and

inserting the first article, through the secondary opening of the main outer box of the packaging, to place the first article within the portion of the inner space.

16. The method of claim 15,

wherein inserting the first article, through the secondary opening, to place the first article within the portion of the inner space is subsequent to inserting the second article, through the exposed primary opening of the main outer box, to place the second article within the at least one other portion of the inner space.

17. The method of claim 15 or claim 16 may further include:

closing the primary closure arrangement of the main outer box of the packaging before inserting the first article, through the secondary opening, to place the first article within the portion of the inner space.

18. The method of any one of claims 15 to 17,

wherein inserting the second article, through the exposed primary opening of the main outer box, to place the second article within the at least one other portion of the inner space comprises placing the second article within the at least one other portion of the inner space in a manner so as to form at least a portion of the internal

arrangement delimiting the portion of the inner space for accommodating the first article.

19. The method of any one of claims 15 to 18,

providing the secondary closure arrangement for covering the secondary opening of the main outer box of the packaging; and

covering the secondary opening of the main outer box with the secondary closure arrangement after inserting the first article, through the secondary opening, to place the first article within the portion of the inner space.

20. The method of any one of claims 15 to 18,

providing the secondary closure arrangement comprising a first part detachably attached to the main outer box to cover the secondary opening and a second part for covering the secondary opening;

removing the first part to expose the secondary opening before inserting the first article, through the exposed secondary opening, to place the first article within the portion of the inner space, and thereafter,

covering the exposed secondary opening with the second part over the secondary opening.