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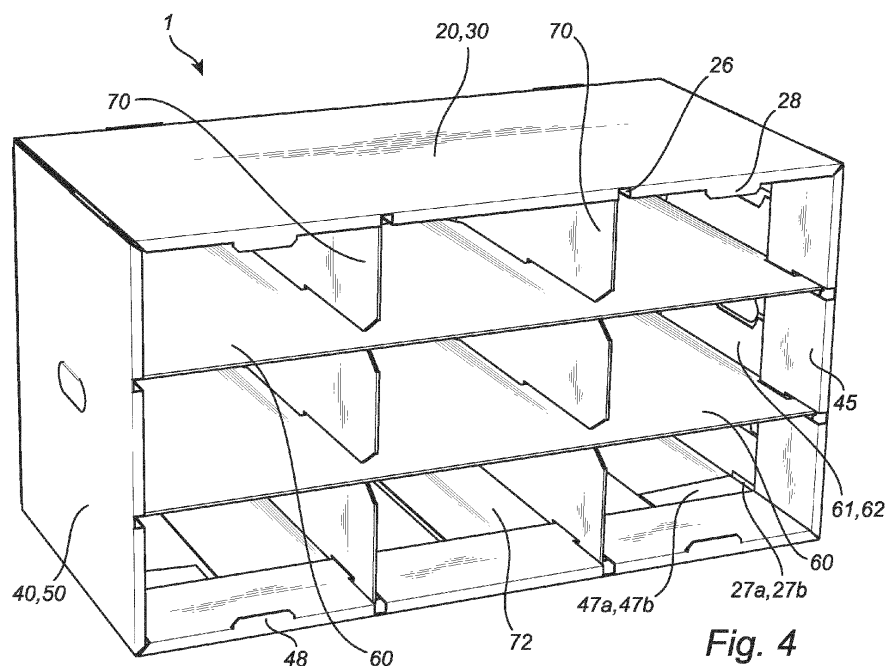
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(54) STORAGE BOX, A KIT OF BLANKS, AND A METHOD OF ERECTING A STORAGE BOX

(57) A storage box (1) configured to receive a partition interior and a method of erecting a storage box (1) with a partition interior, the storage box (1) comprising: a rear wall panel (10), a bottom wall panel (20), a top wall panel (30), and a first and a second opposing end wall panel (40, 50), wherein each of the bottom and top wall panels (20, 30) and/or each of the first and a second opposing end wall panels (40, 50) is provided with abutment tabs (25, 45), which are separated from each other

by a respective slit (26, 46) and configured to be folded inwardly from a perimeter of a front opening of the storage box (1) and thereby provide a plurality of inwardly extending slits (26, 46) allowing a respective one of two opposing edge portions of a respective partition part (60, 70) of the partition interior to be clamped between the abutment tabs (25, 45) and the associated wall panel (20, 30, 40, 50).

**Fig. 4****EP 4 269 261 A1**

Description

Field of the invention

[0001] The invention relates to a storage box configured to receive a partition interior. The invention also relates to a kit of blanks configured to be assembled into a storage box. The invention also relates to a method of erecting a storage box with a partition interior.

Technical background

[0002] When designing a package, such as a storage box, it is often desirous to take into account a number of different design criteria. The package should e.g., often be designed such that it makes efficient use of the material, is easy to transport to the point of use, is easy to prepare for use, and provides a strong structure. It is often desirable that it is strong during handling and stable in an erected state. Moreover, the package should often be provided with a partition interior.

[0003] Packages made from cardboard are beneficial since they do not take up much space before they are erected, during for example transport.

[0004] However, when designing a foldable package having a partition interior for transport of items, it is often difficult to make the package and the partition interior capable of remaining mechanically stable over a sufficient time period.

[0005] There exist numerous attempts to address the above design criteria in connection to designing a package of cardboard material.

[0006] US 2016/185482 A1 discloses a partitioned container containing a plurality of individual compartments formed from mated slotted transverse panels and slotted longitudinal panels wherein said slotted panels are provided with folding tabs at each end of the respective slotted panel. The folding tabs secured, such as by adhesive or tape, to the walls of the container thereby enhancing the mechanical stability of the partition interior.

[0007] However, it may be noted that the prior art document does not adequately address the set of design criteria that the package should make efficient use of the material, be easy to transport to the point of use, be easy to prepare for use, be closed and locked in a simple manner in the erected state and provide a strong structure, be strong during handling and stable in an erected state, whilst also be configured to receive a partition interior, and with a minimum use of adhesive.

Summary of invention

[0008] It is an object of the invention to provide a solution addressing at least some of the design criteria that the storage box should make efficient use of the material, be easy to transport to the point of use, be easy to prepare for use, and provide a strong structure. It is especially an

object of the invention to provide a storage box which is strong during handling and stable in an erected state, and which storage box entails a partition interior.

[0009] This object has been achieved by a storage box configured to receive a partition interior, the storage box comprising:

a rear wall panel,
a bottom wall panel being foldably connected to a first longitudinally extending edge of the rear wall panel,
a top wall panel being foldably connected to a second longitudinally extending edge of the rear wall panel,
a first and a second opposing end wall panel being foldably connected to a respective one of two opposing transversally extending edges of the rear wall panel; and,
wherein each of the bottom and top wall panels and/or each of the first and a second opposing end wall panels is provided with a plurality of abutment tabs, wherein neighbouring abutment tabs among the plurality of abutment tabs of respective panel are separated from each other by a slit formed between neighbouring abutment tabs, wherein the abutment tabs are configured to be folded inwardly from a perimeter of a front opening of the storage box and thereby provide a plurality of inwardly extending slits each being formed between neighbouring abutment tabs being folded inwardly, the slits allowing a respective one of two opposing edge portions of a respective partition part of the partition interior to be clamped between the abutment tabs and the associated wall panel of the storage box such that the respective partition part becomes positioned by the respective edge portion of the respective partition part extending through the respective slit formed between neighbouring abutment tabs. The edge portion typically refers to a strip of material along the edge.

[0010] An advantage with this design is that there is provided a storage box, configured to receive a partition interior, capable of remaining mechanically strong in an erected state during handling. The bottom wall panel, the top wall panel and the opposing end wall panels are provided with a plurality of abutment tabs which may be folded inwardly from the perimeter of the opening whereby the respective partition parts of the partition interior is essentially locked in place by the inwardly folded abutment tabs thereby rendering the storage box mechanically strong during handling. The storage box and the partition interior will remain mechanically strong during handling whilst storing objects, as movements of the partition parts of the partition interior are minimized. Thereby, the risk of mechanical deformation of the partition interior and damage to the goods is reduced. By locking in place the partition interior collapsing during handling is counteracted and the mechanical structure of the stor-

age box is improved. Thereby, the structure of the storage box may withstand exterior forces as the edge portions of the partition parts extending through the slits provide internal support points and by locking said edge portions in place said support points remain in the intended position. By clamping a respective one of two opposing edge portions of a respective partition part between the inwardly folded neighbouring abutment tabs, an associated wall panel and the respective slit formed between the neighbouring abutment tabs, there is provided limitations in lateral movements of the respective edge portion of the respective partition part. It may be noted that lateral movements refer to movements along the surface of the associated wall panel. It may also be noted that an edge portion of a partition part refers to a strip-shaped portion of material extending along the edges of said partition part. The actual contact between the abutment tabs and the edge portion of the partition part will typically be along a strip-shaped portion having a width corresponding to the material thickness of the abutment tabs. The actual contact will typically be within a material thickness of the abutment tabs as measured from the fold line between the portion of the partition part extending along the wall panel and the portion of the partition part extending transverse to the wall panel, as seen in the direction of the portion of the partition part extending transverse to the wall panel. It may further be noted that "an associated wall panel" as used herein may refer to the first end wall panel, the second end wall panel, the top wall panel, or the bottom wall panel, to which the specific abutment tabs are foldably connected to.

[0011] An advantage with this design is that there is provided a possibility of varying the amount of partition parts of the partition interior thereby making it possible to store objects in the partition interior to suit one's requirements. For instance, the storage box may comprise one partition part extending from the first end wall panel to the second end wall panel and being positioned at a respective vertical position between the bottom wall panel and the top wall panel. This provides the possibility to store and distribute e.g., objects of similar dimensions akin to that of a respective one of two compartments formed by said partition part parting the partition interior, amongst said compartments. It may be that the distance from the first end wall panel to the second end wall panel is greater than the distance from the top wall panel to the bottom wall panel in which case aforementioned objects with an elongation corresponding to the distance between the opposing end wall panels may be conveniently stored at a vertical position and be firmly fitted in one of the respective compartments. As such, the storage box make efficient use of material as the amount of storage boxes used to store objects is reduced to one single storage box comprising at least two compartments.

[0012] However, the storage box may comprise preferably at least two, more preferably exactly two, partition parts extending from the first end wall panel to the second end wall panel and being positioned at a respective ver-

tical position between the bottom wall panel and the top wall panel. This provides the possibility to store and distribute e.g., objects of similar dimensions akin to that of a respective one of three compartments formed by said partition part parting the partition interior, amongst said compartments. This design provides more structural support for the storage box than had the partition interior been comprised of one single partition part in that external forces, directed towards the associated wall panel to which a respective partition part is in contact with, are distributed more evenly.

[0013] The storage box may also comprise one partition part extending from the bottom wall panel to the top wall panel and being positioned at a respective longitudinal position between the side wall panels. This provides the user flexibility to store objects which would not be possible had the storage box been comprised of a partition part extending from the first end wall panel to the second end wall panel and being positioned at a respective vertical position between the bottom wall panel and the top wall panel. As such, the storage box makes efficient use of material as the amount of storage boxes used to store objects is reduced to one single storage box given the possibility of switching a vertically positioned partition part with a longitudinally positioned partition part, or vice versa, to accommodate objects of different dimensions.

[0014] Similarly, the storage box may also comprise preferably at least two, more preferably exactly two, partition parts extending from the bottom wall panel to the top wall panel and being positioned at a respective longitudinal position between the side wall panels. This design provides more structural support for the storage box than had the partition interior been comprised of one single partition part in that external forces, directed towards the associated wall panel to which a respective partition part is in contact with, are distributed more evenly.

[0015] It may be noted that there may be present several permutations of a set of partition parts. For example, in one embodiment the storage box may have one vertically positioned partition part and two longitudinally positioned partition parts. In an other embodiment it may also have three vertically positioned partition parts and one longitudinally positioned partition part. In other words, for every integer number of vertically positioned partitions there may be an arbitrary number of longitudinally positioned partition parts, or vice versa.

[0016] The respective partition part of the storage box may comprise, at each of the two opposing edge portions, a first and a second locking tab foldably connected to the respective edge portion, wherein the first and the second locking tabs are configured to be positioned and clamped between neighbouring abutment tabs, the associated wall panel and the edge portion extending through the respective slit formed between neighbouring abutment tabs.

[0017] An advantage with this design is that the partition interior is locked into place in all directions, hence

being capable of remaining structurally sound in an erected state during handling. Not only is a respective edge portion of the partition parts clamped between neighbouring abutment tabs, a respective slit formed between the neighbouring abutment tabs, and the associated wall panel, but the locking tabs at each of the opposing edge portions is locked in place by the inwardly folded abutment tabs and the associated wall panel thereby minimizing medial movements of the respective edge portion. It may be noted that medial movements refer to movements towards the centre of the storage box. As such, the foldably connected locking tabs provide further structural reinforcement making the storage box strong during handling and stable in an erected state, whilst using no adhesive.

[0018] The respective partition part of the storage box may be formed by folding a first and a second panel portion relative to each other about a fold line such that the first and second panel portions together form a double-walled partition part.

[0019] An advantage with this design is that the respective double-walled partition part provides a thickness capable of withstanding mechanical deformation. By folding a first panel and a second panel portion about a fold line the increase in thickness of the partition part is two-fold.

[0020] Another advantage with this design is that the double-walled partition part allows for foldably connecting a first and a second locking tab at each of the two opposing edge portions of the respective partition part and thereby allow the respective locking tab to extend along the complete depth of the storage box. Such a construction would not be possible had the respective partition fold been a single-walled partition part.

[0021] The first locking tab may be foldably connected to the first panel portion and the second locking tab may be foldably connected to the second panel portion. An advantage with this design is that this construction provides symmetry about the fold line such that the respective edge portion is clamped between the neighbouring abutment tabs and the associated wall panel on both sides of the edge portion thereby minimizing medial movements of the edge portion.

[0022] The respective partition part of the storage box may be configured to be oriented such that the fold line of the respective partition part between the first and second panel portions is facing outwardly towards the opening of the storage box.

[0023] An advantage with this design is that as the fold line, forming a free edge, faces outwardly towards the opening of the storage box, the free edge formed by the fold line is less susceptible to mechanical deformation as opposed to had the fold line been facing towards the rear of the storage box, in which case two cut free edges would be facing towards the opening, thereby being more susceptible to mechanical deformation upon external forces directed towards or along the opening of the storage box.

[0024] The storage box may comprise at least one horizontally oriented and at least one vertically oriented partition part, and wherein the respective partition part is provided with at least one interconnection slit, wherein an interconnection slit of a horizontally or of a vertically oriented partition part extends from a free outer edge configured to face rearwardly from the front opening, and wherein an interconnection slit of a vertically oriented partition part crossing said horizontally oriented part extends from a free outer edge configured to face forwardly towards the front opening, or vice versa, whereby the partition parts are configured to be positioned with the interconnection slits in register and to be moved towards each other thereby allowing the partition parts to interlock with each other.

[0025] The interconnection of the partition parts further improves the strength of the storage box.

[0026] An advantage with this design of providing the interconnecting using interconnection slits, is that the interconnecting slits allows for easy mounting of the partition interior thereby making the storage box easy to prepare for use.

[0027] Another advantage with this design is that the interconnecting slits do not require use of any adhesive and allows for the partition interior to be quickly mounted and demounted. By using adhesive to couple the partition parts, said partition parts may run the risk of being tarnished. Furthermore, any adhesive used on the partition parts may damage the surface of the partition parts during demounting of the partition interior in that the surface might be ripped off when pulling apart the partition parts, and consequently might even lead to deformation of the partition parts if the adhesive is adhered to the surface too strongly. However, with this design, interconnection slits are used to interlock the partition parts hence the risk of damaging the partition parts during demounting of the partition parts is minimized and allows for multiple uses of the partition parts thereby making efficient use of material.

[0028] The interconnection slits of the storage box may extend with an angle with respect to the fold line, preferably transverse to the fold line, between the first and the second panel portion wherein an interconnection slit of one of the partition parts extends from a respective free outer edge of the first panel portion and of the second panel portion towards the fold line, and wherein an interconnection slit of the other partition part extends from the fold line towards a respective free outer edge of the first panel portion and of the second panel portion.

[0029] An advantage with this latter design is that the interconnection slits of the storage box allow the partition parts to be interconnected such that the fold lines of both the horizontal and vertical partition parts may face outwardly towards the opening of the storage box.

[0030] The storage box may be formed of a paper-based material.

[0031] An advantage with this design is that paper-based material is recyclable hence making efficient use

of the material. Paper-based material are also renewable and sustainable.

[0032] Another advantage with this design that that paper-based material are usually lightweight making the storage box easy to transport to the point of use and easy to prepare for use. Paper-based material can be moulded into any kind of shape and is easily available. Paper-based material are rather inexpensive as well. Paper-based material are also strong enough such that the storage box is mechanically strong during handling and stable in an erected state.

[0033] The longitudinally extending edges of the rear wall panel may be provided with a first set of connection tabs and a second set of connection tabs, respectively, the first set of connection tabs being configured to engage and extend through a first set of openings of the bottom wall panel, and the second set of connection tabs being configured to engage and extend through a first set of openings of the top wall panel. The set of openings are a first set of openings of the top wall panel, but they may also be referred to as a second set of openings since they are a second set of openings of the storage box.

[0034] An advantage with this design is that the bottom wall panel and the top wall panel may be easily connected to the rear wall panel, with no use of adhesive.

[0035] The transversally extending edges of the rear wall panel may be provided with a third set of connection tabs and a fourth set of connection tabs, respectively, the third set of connection tabs being configured to engage and extend through a first set of openings of the first opposing end wall panel, and the fourth set of connection tabs being configured to engage and extend through a first set of openings of the second opposing end wall panel. Similarly, as for the second set of openings, the openings of the respective end wall panel are the first set of openings of respective end wall panel, but they may also be referred to as a third, and a fourth, respectively set of openings of the storage box.

[0036] An advantage with this design is that the opposing end wall panels may be easily connected to the rear wall panel, without any requirement to use any adhesive.

[0037] By providing the rear wall panel with a first, a second, a third and a fourth set of connection tabs, and providing the opposing end wall panels, the bottom wall panel and the top wall panel with their own sets of openings, there is provided a storage box capable of being assembled and disassembled easily. By providing connection tabs on the edges of the rear wall panel, and corresponding openings on the bottom wall panel, the top wall panel and the end wall panels, said wall panels are easily connected. The connection tabs engage and extend through the openings of the associated wall panels after which the connection tabs extending through said openings are folded thereby locking in place the associated wall panels. Similarly, when disassembling the associated wall panels from the rear wall panel, the folded connection tabs are unfolded after which the associated wall panels are easily pulled apart from the rear wall panel.

el. The openings are sufficiently small such that when the connection tabs are being extended through the openings and folded such that the associated wall panels are locked in place, relative movements of the associated wall panels cause minimal movements of the connection tabs inside the openings. As such, this design allows for easy preparation for use whilst using no adhesive. The dimensions of the openings of the associated wall panels and the locking mechanism of the connection tabs allow for a storage box with a sturdy foundation.

[0038] The opening and/or the perimeter of the front of the opening of the storage box may be configured to receive a lid.

[0039] An advantage with this design is that the lid provides a closure to the opening of the storage box thereby keeping storing objects from falling out. Simultaneously, it protects the partition interior of the storage box from external forces.

[0040] The above-mentioned object has also been achieved by a kit of blanks configured to be assembled into a storage box,

wherein the rear wall panel, the bottom wall panel, the top wall panel, the first end wall panel, and the second end wall panel, may be provided as an integrally formed major blank, and wherein the partition part or parts may be provided as a blank or blanks being separate from, or at least separable from, the major blank.

[0041] The advantages of associated with the various features of the storage box according to the various preferred embodiments have been discussed with reference to the storage box, and those advantages and also those preferred embodiments are equally applicable to the kit of blanks. By providing the rear wall panel, the bottom wall panel, the top wall panel, the first end wall panel, and the second end wall panel as an integrally formed major blank, it is facilitated to provide a strong storage box.

[0042] The above-mentioned object has also been achieved by a kit of blanks configured to be assembled into a storage box,

wherein the rear wall panel, the bottom wall panel, the top wall panel, the first end wall panel, and the second end wall panel, may be provided as separate blanks, and

wherein the partition part or parts may be provided as a blank or blanks being separate from, or at least separable from, the blanks forming the rear wall panel, the bottom wall panel, the top wall panel, the first end wall panel, and the second end wall panel.

[0043] The advantages of associated with the various features of the storage box according to the various preferred embodiments have been discussed with reference to the storage box, and those advantages and also those

preferred embodiments are equally applicable to this kit of blanks. By providing the rear wall panel, the bottom wall panel, the top wall panel, the first end wall panel, and the second end wall panel, as separate blanks it is facilitated to provide comparable large storage boxes.

[0044] The above-mentioned object may also be achieved by a method of erecting a storage box with a partition interior, the method comprising:

folding the the bottom wall panel, the top wall panel, the first end wall panel, and the second end wall panel, relative to the rear wall panel and thereby forming a storage box having a front opening, inserting at least one partition part, and folding the abutment tabs inwardly such that the respective edge portion of the partition part becomes clamped between the abutment tabs and the associated wall panel of the storage box such that the partition part becomes correctly positioned by the respective edge portion of the partition part extending through the slit formed between neighbouring abutment tabs.

[0045] The advantages of associated with the various features of the storage box according to the various preferred embodiments have been discussed with reference to the storage box, and those advantages and also those preferred embodiments are equally applicable to the method.

[0046] Preferred embodiments appear in the dependent claims and in the description.

[0047] It may be noted that the use of first, second, third, fourth, fifth, etc. are mainly to be seen as labels facilitating reading and that it does not necessarily mean that there need to be all the intervening numbers of portions present. It may e.g., be noted that it is contemplated to have a design where there is a first portion, a second portion, a third portion and a fifth portion, with the fourth portion being omitted. However, to facilitate reading, we have consistently used the numbering first, second, third, fourth, etc., as labels, and in a sense based on an embodiment including all conceivable portions.

[0048] It may also be noted that panel names such as top, floor and wall are intended meant to be read as labels, not necessarily defining the orientation of the panel. As an example, the package does not need to be oriented such that the first top panel actually forms the top of the package. The package may be oriented such that the panel labelled first top panel actually forms a side wall or even forms a bottom of the package. It does not have to be located over the floor panel, but could be positioned under, on the side of, or in any other way relative to it. However, in the preferred embodiment, the package will be oriented so that the floor panel faces downward, the top panels face upward, and the wall panels face outwards from an axis between top and floor.

[0049] Generally, all terms used in the claims are to be interpreted according to their ordinary meaning in the

technical field, unless explicitly defined otherwise herein. All references to "a/an/the [element, device, component, means, step, etc]" are to be interpreted openly as referring to at least one instance of said element, device, component, means, step, etc., unless explicitly stated otherwise. The steps of any method disclosed herein do not have to be performed in the exact order disclosed, unless explicitly stated.

[0050] The invention may also in short be said to relate to a storage box configured to receive a partition interior and a method of erecting a storage box with a partition interior, the storage box comprising: a rear wall panel, a bottom wall panel, a top wall panel, and a first and a second opposing end wall panel, wherein each of the bottom and top wall panels and/or each of the first and a second opposing end wall panels is provided with abutment tabs, which are separated from each other by a respective slit and configured to be folded inwardly from a perimeter of a front opening of the storage box and thereby provide a plurality of inwardly extending slits allowing a respective one of two opposing edge portions of a respective partition part of the partition interior to be clamped between the abutment tabs and the associated wall panel.

Brief description of the drawings

[0051] The invention will by way of example be described in more detail with reference to the appended schematic drawings, which shows a presently preferred embodiment of the invention.

Figure 1 discloses a top plan view of wall panels configured to form a storage box and parts configured to form a partition interior.

Figure 2 discloses a perspective view of a first of the partition parts.

Figure 3 discloses a perspective view of a second of the partition parts.

Figure 4 discloses a front perspective view of an assembled storage box according to a first embodiment.

Figure 5 discloses a rear perspective view of the assembled storage box of Fig. 4.

Figure 6 discloses a top view of a second embodiment in which the wall panels are provided in a single blank.

Figure 7 discloses a top view of a third embodiment in which the wall panels are provided in a single blank.

Detailed description of preferred embodiments

[0052] The present invention will now be described more fully hereinafter with reference to the accompanying drawings, in which currently preferred embodiments of the invention are shown. This invention may, however, be embodied in many different forms and should not be

construed as only limited to the embodiments set forth herein; rather, these embodiments are provided for thoroughness and completeness, and allowing the skilled person to make use of the invention.

[0053] Initially, a plurality of wall panels and a plurality of partition parts will be described with reference to Fig. 1. Further details about the respective partition parts will be described with reference to Figs. 2 and 3. Thereafter, the storage box comprising said wall panels and partition parts will be described in more detail with reference to Fig. 4 and 5. In some preferred embodiments the storage box comprises a single blank of integrated wall panels. Details thereof will be described with reference to Figs. 6 and 7.

[0054] Fig. 1 is a top view of a set of wall panels 10, 20, 30, 40, 50 and partition parts 60, 70. The storage box comprises a rear wall panel 10. A bottom wall panel 20 is foldably connected to a first longitudinally extending edge 15a of the rear wall panel 10. Additionally, a top wall panel 30 is foldably connected to a second longitudinally extending edge 15b of the rear wall panel 10. In the disclosed preferred embodiment, the bottom and top wall panels 20, 30 are identical in structure whereby only one such panel is shown in Fig. 1. The same reference numerals will in the following be used for the various sub-parts and other features of the bottom and top wall panels 20, 30 and distinction between the bottom wall panel 20 and the top wall panel 30 will only be made when it is considered to make the description clearer.

[0055] A first end wall panel 40 is foldably connected to a first edge 16a of two opposing transversally extending edges 16a, 16b of the rear wall panel 10. A second wall panel 50 is foldably connected to a second edge 16b of the two opposing transversally extending edges 16a, 16b of the rear wall panel 10. In the disclosed preferred embodiment, the first and second end wall panels 40, 50 are identical in structure whereby only one such panel is shown in Fig. 1. The same reference numerals will in the following be used for the various sub-parts and other features of the first and second end wall panels 40, 50 and distinction between the first end wall panel 40 and the second end wall panel 50 will only be made when it is considered to make the description clearer.

[0056] Each of the bottom and top wall panels 20, 30 is provided with a plurality of abutment tabs 25. The neighbouring abutment tabs among the plurality of abutment tabs 25 of respective panel are separated from each other by a slit 26 formed between neighbouring abutment tabs. Each of the first and second opposing end wall panels 40, 50 is provided with a plurality of abutment tabs 45. The neighbouring abutment tabs among the plurality of abutment tabs 45 of respective panel are separated from each other by a slit 46 formed between neighbouring abutment tabs. The abutment tabs 25, 45 are configured to be folded inwardly from a perimeter of a front opening of the storage box 1 and thereby provide a plurality of inwardly extending slits 26, 46. Each of the slits is being formed between the neighbouring abutment tabs being

folded inwardly. The slits 26, 46 allow a respective one of two opposing edge portions of a respective partition part 60, 70 of the partition interior to be clamped between the abutment tabs 25, 45 and the associated wall panel of the storage box 1. The associated wall panel designates the first opposing end wall panel 40, the second opposing end wall panel 50, the top wall panel 30, and the bottom wall panel 20 to which the specific abutment tabs 25, 45 are foldably connected to. By doing this, the respective partition part 60, 70 becomes correctly positioned by the respective edge portion of the respective partition part 60, 70 extending through the respective slit 26, 46 formed between neighbouring abutment tabs, as illustrated in Fig. 4. It may be noted that an edge portion of a partition part 60, 70 refers to a strip of material extending along the edges of said partition part 60, 70.

[0057] A first longitudinally extending edge 15a of the rear wall panel 10 may be provided with a first set of connection tabs 11a, 11b, 11c. Similarly, a second, opposing the first, longitudinally extending edge 15b of the rear wall panel 10 may be provided with a second set of connection tabs 12a, 12b, 12c. The first set of connection tabs 11a, 11b, 11c may be configured to engage and extend through a first set of openings 21a, 21b, 21c formed in the bottom wall panel 20. Similarly, the second set of connection tabs 12a, 12b, 12c may be configured to engage and extend through a second set of openings 21a, 21b, 21c formed in the top wall panel 30.

[0058] A first transversally extending edge 16a of the rear wall panel 10 may be provided with a third set of connection tabs 13a, 13b, 13c. Similarly, a second, opposing the first, transversally extending edge 16b of the rear wall panel 10 may be provided with a fourth set of connection tabs 14a, 14b, 14c. The third set of connection tabs 13a, 13b, 13c may be configured to engage and extend through a third set of openings 43a, 43b, 43c formed in the first opposing end wall panel 40. Similarly, the fourth set of connection tabs 14a, 14b, 14c may be configured to engage and extend through a fourth set of openings 43a, 43b, 43c formed in the second opposing end wall panel 50.

[0059] Each of the first opposing end wall panel 40, the second opposing end wall panel 50, the bottom wall panel 20, and the top wall panel 30 may be foldably connected to the rear wall panel 10 by specifically inserting a respective set of connection tabs 11, 12, 13, 14 of the rear wall panel 10 into a respective set of openings 21, 43 of the associated wall panels to be foldably connected to the rear wall panel 10. To secure the associated wall panels to the rear wall panel 10 the respective set of connection tabs 11, 12, 13, 14, which protrudes outwardly from the respective set of openings 21, 43 of the associated wall panel, may be folded along the surface of the respective associated wall panel.

[0060] The top and bottom wall panel 20, 30 preferably each comprises a first connection panel 28 foldably connected to a longitudinally extending edge of the respective top and bottom wall panel 20, 30; the longitudinally

extending edge being configured to face the rear wall panel 10. The first connection panel 28 is configured to be folded along the rear wall panel 10. The top and bottom panel 20, 30 preferably each comprises two opposing connection panels 29a, 29b foldably connected to the two opposing transversally extending edges of the respective top and bottom wall panel 20, 30. The respective connection panel 29a, 29b is configured to be folded along the respective end wall panel 40, 50.

[0061] The end wall panels 40, 50 preferably each comprises a connection panel 49 foldably connected to a transversally extending edge of the respective end wall panel 40, 50; the transversally extending edge being configured to face the rear wall panel 10.

[0062] The above discussed first and second set of openings 21a-c are preferably formed in the respective fold line between the top respectively the bottom wall panel 20, 30 and the respective connection panel 29a, 29b. The above discussed third and fourth set of openings 43a-c are preferably formed in the respective fold line between the respective end wall panel 40, 50 and the respective connection panel 49.

[0063] The connection tabs 11, 12, 13, 14 may be shaped such that the width of a proximal portion of a respective connection tab 11, 12, 13, 14 is smaller than that of a distal portion of a respective connection tab 11, 12, 13, 14. In a preferred embodiment the width of the distal portion of a respective connection tab 11, 12, 13, 14 may be slightly larger than the width of the respective opening 21, 43 hence requiring a slight force to allow the distal portion of a connection tab 11, 12, 13, 14 to be inserted through a respective opening 21, 42 of an associated wall panel. This would ensure that a respective associated wall panel would be foldably connected to the rear wall panel 10 in a secure way. It should be noted that a proximal portion of a connection tab 11, 12, 13, 14 refers to a portion of respective connection tab 11, 12, 13, 14 that is closest to the rear wall panel 10. Accordingly, a distal portion of a respective connection tab 11, 12, 13, 14 refers to a portion of respective connection tab 11, 12, 13, 14 that is farthest away from the rear wall panel 10.

[0064] A set of side tabs 47a, 47b of the opposing end wall panels 40, 50 may engage with and extend through a set of side openings 27a, 27b of the bottom wall panel 20 and the top wall panel 30, respectively. The

[0065] The side openings 27a, 27b are preferably formed in a fold line between the respective bottom wall panel 20 and top wall panel 30 and the respective connection panel 29a, 29b. The set of side tabs 47a, 47b of the opposing end wall panels 40, 50 may engage with and extend through the set of side openings 27a, 27b of the bottom wall panel 20 and the top wall panel 30 by inserting said side tabs 47a, 47b into the side openings 27a, 27b, whereafter the side tabs 47a, 47b protruding outwardly from the side openings 27a, 27b may be folded along an outside of the storage box 1.

[0066] As can be seen in Fig. 4, the storage box 1 may

further comprise a first partition part 60 extending from the first end wall panel 40 to the second end wall panel 50. In the disclosed embodiment, there are two such first partition parts 60. The partition part or parts 60 may be positioned at a respective vertical position between the bottom wall panel 20 and the top wall panel 30. The respective partition part 60 may be positioned at a vertical position between the bottom wall panel 20 and the top wall panel 30 such that it is parallel with the bottom wall panel 20 and the top wall panel 30.

[0067] In preferred embodiments the storage box may comprise at least two, more preferably two, partition parts 60 extending from the first end wall panel 40 to the second end wall panel 50. As such, when the storage box may comprise at least two, more preferably two, partition parts 60 extending from the first end wall panel 40 to the second end wall panel 50 and being positioned at a respective vertical position between the bottom wall panel 20 and the top wall 30, it should be understood that the partition parts 60 preferably are, but need not be, identical.

[0068] The storage box 1 may further comprise a second partition part 70 extending from the bottom wall panel 20 to the top wall panel 30. In the disclosed embodiment, there are two such second partition parts 70. The partition part or parts 70 may be positioned at a respective longitudinal position between the opposing end wall panels 40, 50. The respective partition part 70 may be positioned at a longitudinal position between the opposing end wall panels 40, 50 such that it is parallel with said opposing end wall panels 40, 50.

[0069] In preferred embodiments the storage box may comprise at least two, more preferably two, second partition parts 60, 70 extending from the bottom wall panel 20 to the top wall panel 30. As such, when the storage box may comprise at least two, more preferably two, partition parts 70 extending from bottom panel 20 and the top wall panel 30 and being positioned at a respective longitudinal position between the opposing end wall panels 40, 50, it should be understood that the partition parts 70 preferably are, but need not be, identical.

[0070] As illustrated in Fig. 1 and 2, the first partition part 60 may comprise, at each of the two opposing edge portions, a first and a second locking tab 61a-b, 62a-b, foldably connected to the respective edge portions. The first and the second locking tabs 61a-b, 62a-b are configured to be positioned and clamped between neighbouring abutment tabs 43a-c and the associated end wall panel 40, 50 with the edge portion of the respective partition part panel 60 extending through the respective slit 26, 46 formed between neighbouring abutment tabs 25a-c.

[0071] As illustrated in figure 1 the opposing end wall panels 40, 50 may be provided with openings 48 being configured to function as handles. In some embodiments the bottom wall panel 20 and the top wall panel 30 may also be provided with openings configured to function as handles.

[0072] In preferred embodiments a portion of the outer

free edge of the locking tabs 61a-b, 62a-b of the partition part 60 may have an inwardly extending recess 48'. As can be seen in Fig 4, when a partition part 60 is installed in the storage box 1, the locking tabs 61, 62 which are clamped between the abutment tabs 45a-c and the opposing end wall panels 40, 50 of the storage box 1, and the inwardly extending recesses of the locking tabs 61a-b, 62a-b allows the openings 48 of the opposing end wall panels 40, 50 to remain uncovered thereby making it possible to hold an erected storage box 1 firmly without any obstructions before the openings 48 of the opposing end wall panels 40, 50. In such embodiments where the bottom wall panel 20 and the top wall panel 30 may be provided with openings configured to function as handles, locking tabs 71, 72 of the partition part 70 are preferably configured such that said openings of the bottom wall panel 20 and the top wall panel 30 may remain uncovered thereby making it possible to hold an erected storage box 1 firmly without any obstructions before the openings of the bottom wall panel 20 and the top wall panel 30.

[0073] In Fig 1 and 3, the second partition part 70 may comprise, at each of the two opposing edge portions, a first and a second locking tab 71a-b, 72a-b, foldably connected to the respective edge portion. The first and the second locking tabs 71a-b, 72a-b are configured to be positioned and clamped between neighbouring abutment tabs 25a-c and the associated top or bottom wall panel 20, 30 and the edge portion extending through the respective slit 26, 46 formed between neighbouring abutment tabs.

[0074] The first partition part 60 may be formed by folding a first 63a and a second panel portion 63b relative to each other about a fold line 65. The second partition part 70 may be formed by folding a first 73a and a second panel portion 73b relative to each other about a fold line 75. By doing this, the first and second panel portions 63a-b, 73a-b of the respective partition part together form a double-walled partition part.

[0075] The first locking tabs 61a, 62a, 71a, 72a is foldably connected to the first panel portion 63a, 73a of the respective partition part 60, 70. The second locking tab 61b, 62b, 71b, 72b is foldably connected to the second panel portion 63b, 73b of the respective partition part 60, 70. It may in this context be noted that although both the first and second partition parts 60, 70 are formed as double-walled partition parts 60, 70 it is conceivable that only one of them are such a double-walled partition part, such as the first partition part 60 or the second partition part 70.

[0076] In some embodiments neighbouring abutment tabs of a respective set of abutment tabs 25a-c, 45a-c of an associated wall panel to which said abutment tabs 25, 45 are foldably connected to may be connected by a set of separable bridges 24, 44, respectively. It should be understood that the set of separable bridges 24, 44 do not merge the neighbouring abutment tabs of a respective set of abutment tabs 25a-c, 45a-c into a larger uniform tab; at least not when the storage box 1 is erected and the abutment tabs 25, 45. Instead, the neighbouring

abutment tabs of the set of abutment tabs 25a-c, 45a-c remain individually moveable. However, the bridges 24, 44 may keep the individual abutment tabs 25a-c, 45a-c together during transport and may solely by being really close to each other or by actually having a small un-cut portion of unbroken material actually holding them together while still making it easy to separate them. The first and/or second partition parts 60, 70 may be provided with a set of openings 64, 74, respectively, configured to receive the respective separable bridge 24, 44. As such, when a respective one of two opposing edge portions of a respective partition part 60, 70 of the partition interior extends between the slits 26, 46 and is clamped between the abutment tabs 25, 45 and the associated wall panel of the storage box 1, the moveable bridges 24, 44 may simultaneously be slightly bent to fit and extend into the respective opening 64, 74 of a respective partition part 60, 70 thereby aiding in keeping the abutment tabs 25a-c, 45a-c in the intended position. As viewed in Fig. 4, the set of separable bridges 24, 44 provides a reinforcing structure as the partition interior is locked in to place more thoroughly given it becomes more difficult to remove said partition interior without unfolding the abutment tabs first. Moreover, the abutment tabs 25a-c, 45a-c may not be unfolded as the set of moveable bridges 24, 44 has been positioned in the openings 64, 74.

[0077] The respective partition part 60, 70 is preferably configured to be oriented such that the fold line 65, 75 of the respective partition part 60, 70 between the first and second panel portions 63, 73 is facing outwardly towards the opening of the storage box 1. It may be noted that in the preferred embodiment, both the first 60 and the second 70 partition part is oriented in this manner. However, it is conceivable that only one of them is oriented in this manner, such as the first partition part 60 or the second partition part 70.

[0078] As is best discussed with reference to Figs. 2-4, the storage box 1 may comprise at least one horizontally oriented partition part 60, 70. The horizontally oriented partition part 60, 70 may be provided with at least one interconnection slit 66, 76. The storage box 1 may also comprise at least one vertically oriented partition part 60, 70. The vertically oriented partition part 60, 70 may be provided with at least one interconnection slit 66, 76. An interconnection slit 66, 76 of a horizontally or of a vertically oriented partition part 60, 70 may extend from a free outer edge configured to face rearwardly from the front opening. An interconnection slit 66, 76 of a vertically oriented partition part 60, 70 crossing said horizontally oriented part 60, 70, or vice versa, may extend from a free outer edge configured to face forwardly towards the front opening. The partition parts 60, 70 may be configured to be positioned with the interconnection slits 66, 76 in register. The partition parts 60, 70 may also be configured to be moved towards each other thereby allowing the partition parts 60, 70 to interlock with each other.

[0079] In the preferred embodiment, both the first and the second partition parts 60, 70 are double-walled and

have their fold line 65, 75 facing towards the front opening. Thereby an interconnection slit 66 of one of the partition parts 60 may extend from a respective free outer edge of the first panel portion 63a and of the second panel portion 63b towards the fold line 65, and an interconnection slit 76 of the other partition part 70 may extend from the fold line 75 towards a respective free outer edge of the first panel portion 73a and of the second panel portion 73b. Irrespective of if the respective interconnection slit 66, 76 extends from the fold line 75 or extends towards, but not reaching the fold line 65, the respective interconnection slit 66, 76 preferably extends with an angle with respect to the fold line 65, 75 between the first and the second panel portion 63, 73. Preferably, the angle is such that the respective interconnection slit 66, 76 extends transversely to the fold line 65, 75, between the first and the second panel portion 63, 73.

[0080] The storage box 1 is preferably formed of a paper-based material.

[0081] The opening of the front of the opening of the storage box 1 may be configured to receive a lid. The perimeter of the front of the opening of the storage box 1 may also be configured to receive a lid. The opening and the perimeter of the front of the opening of the storage box 1 may also be configured to receive a lid.

[0082] In preferred embodiments the bottom wall panel 20 and the top wall panel 30 may be provided with a set of lid tabs 28. When the storage box 1 is in an erected state, the lid tabs 28 may be configured to extend with an angle in relation to the perimeter of the opening of the storage box 1. Said lid tabs 28 may, preferably, extend in parallel with the rear wall panel 10. The lid tabs 28 may be used to lock in place a lid by allowing the lid tabs 48 to interact with a slot or an edge of the lid.

[0083] The storage box 16 assembled in accordance with the following method. First the box 1 as such is formed by folding a bottom wall panel 20, a top wall panel 30, a first end wall panel 40, and a second end wall panel 50, relative to a rear wall panel 10, and thereby form a storage box 1 having a front opening. The assembly and folding operations for the blanks of Fig. 1, 6 and 7, respectively, will vary but the end result will be the same, a storage box 1 having a front opening.

[0084] Thereafter, the first partition part 60 and the second partition part 70, respectively are prepared. This may e.g., involve folding the respective part 60, 70 about the respective fold line 65, 75 in case they are to be formed as the double-walled parts 60, 70 as shown in the preferred embodiments.

[0085] The partition parts 60, 70 may be interconnected via their respective slits 66, 76 and thereafter be inserted into the storage box 1 through the front opening. Alternatively, the partition part 70 with the forward facing slits 76 may be positioned in the storage box 1 first and thereafter the other partition part 60 may be inserted into the storage box 1 with the slits 66 entering into the intended interconnection with the slits 76 of the already installed partition part 70.

[0086] Thereafter the abutment tabs 25a, 25b, 25c, 45a, 45b, 45c of the respective bottom wall panel 20, top wall panel 30, first end wall panel 40, and second end wall panel 60 are folded inwardly such that a respective edge portion of the partition part 60, 70 becomes clamped between the respective abutment tab 25a, 25b, 25c, 45a, 45b, 45c and the associated wall panel 20, 30, 40, 50 of the storage box 1 such that the partition part 60, 70 becomes correctly positioned by the respective edge portion of the partition part 60, 70 extending through the slit formed between neighbouring abutment tabs 25a, 25b, 25c, 45a, 45b, 45c. If one partition part 70 is installed separately first, it is conceivable, but not necessary, that the abutment tabs 25a, 25b, 25c of the respective bottom wall panel 20 and top wall panel 30 are folded inwardly such that a respective edge portion of the partition part 70 becomes clamped between the respective abutment tab 25a, 25b, 25c and the associated wall panel 20, 30 of the storage box 1 before the other partition part 60 is installed.

[0087] It is contemplated that there are numerous modifications of the embodiments described herein, which are still within the scope of the invention as defined by the appended claims. Additionally, variations to the disclosed embodiments can be understood and effected by the skilled person in practicing the claimed invention, from a study of the drawings, the disclosure, and the appended claims. In the claims, the word "comprising" does not exclude other elements or steps, and the indefinite article "a" or "an" does not exclude a plurality. The mere fact that certain measures are recited in mutually different dependent claims does not indicate that a combination of these measures cannot be used to advantage.

[0088] The storage box may for instance be provided with a different number of partition parts. It may e.g., be provided with only a single horizontal partition part and only a single vertical partition part. The storage box may alternatively be provided with only a single horizontal partition part and be provided with a plurality of vertical partition parts, such as two, three or more, preferably two or three, more preferably two. Alternatively, the storage box may be provided with only a single vertical partition part and be provided with a plurality of horizontal partition parts, such as two, three or more, preferably two or three, more preferably two. Alternatively, the storage box may be provided with a plurality of horizontal partition parts and a plurality of vertical partition parts. Those pluralities may be the same number, such as two in each direction, or three in each direction. Alternatively, the number of horizontal partitions parts may be different from the number of vertical partition parts, such as two horizontal parts and three vertical parts, or vice versa. It may also be noted that the number three is not to be considered limiting, it is conceivable that there are even a greater number of partition parts. However, for it is currently preferred that the number of partition parts in the respective direction varies between one and three. It may also be noted that the kind of partition part used as the vertical

partition part may be used as a horizontal partition part, and vice versa.

Claims

1. A storage box (1) configured to receive a partition interior, the storage box (1) comprising:

a rear wall panel (10);
 a bottom wall panel (20) being foldably connected to a first longitudinally extending edge (15a) of the rear wall panel (10);
 a top wall panel (30) being foldably connected to a second longitudinally extending edge (15b) of the rear wall panel (10);
 a first and a second opposing end wall panel (40, 50) being foldably connected to a respective one of two opposing transversally extending edges (16a, 16b) of the rear wall panel (10); and,
 wherein each of the bottom and top wall panels (20, 30) and/or each of the first and a second opposing end wall panels (40, 50) is provided with a plurality of abutment tabs (25, 45), wherein neighbouring abutment tabs among the plurality of abutment tabs (25, 45) of respective panel are separated from each other by a slit (26, 46) formed between neighbouring abutment tabs, wherein the abutment tabs (25, 45) are configured to be folded inwardly from a perimeter of a front opening of the storage box (1) and thereby provide a plurality of inwardly extending slits (26, 46), each being formed between neighbouring abutment tabs being folded inwardly, the slits (26, 46) allowing a respective one of two opposing edge portions of a respective partition part (60, 70) of the partition interior to be clamped between the abutment tabs (25, 45) and the associated wall panel (20, 30, 40, 50) of the storage box (1) such that the respective partition part (60, 70) becomes correctly positioned by the respective edge portion of the respective partition part (60, 70) extending through the respective slit (26, 46) formed between neighbouring abutment tabs.

2. The storage box according to claim 1, further comprising at least one, preferably at least two, more preferably two, partition parts (60, 70) extending from the first end wall panel (40) to the second end wall panel (50) and being positioned at a respective vertical position between the bottom wall (20) panel and the top wall panel (30).
3. The storage box according to any of the preceding claims, further comprising at least one, preferably at least two, more preferably two, partition parts (60, 70) extending from the bottom wall panel (20) to the

top wall panel (30) and being positioned at a respective longitudinal position between the side wall panels (40, 50).

4. The storage box according to any of the preceding claims, wherein the respective partition part (60, 70) comprises, at each of the two opposing edge portions, a first and a second locking tab (61, 62, 71, 72) foldably connected to the respective edge portion, wherein the first and the second locking tabs (61, 62, 71, 72) are configured to be positioned and clamped between neighbouring abutment tabs, the associated wall panel and the edge portion extending through the respective slit (26, 46) formed between neighbouring abutment tabs.
5. The storage box according to any of the preceding claims, wherein the respective partition part (60, 70) is formed by folding a first and a second panel portion (63, 73) relative to each other about a fold line (65, 75) such that the first and second panel portions (63, 73) together form a double-walled partition part.
6. The storage box according to claim 4 and 5, wherein the first locking tab (61a, 62a, 71a, 72a) is foldably connected to the first panel portion (63a, 73a) and the second locking tab (61b, 62b, 71b, 72b) is foldably connected to the second panel portion (63b, 73b).
7. The storage box according to claim 5 or 6, wherein the respective partition part (60, 70) is configured to be oriented such that the fold line (65, 75) of the respective partition part (60, 70) between the first and second panel portions (63, 73) is facing outwardly towards the opening of the storage box (1).
8. The storage box according to any of the preceding claims, wherein the storage box (1) further comprises at least one horizontally oriented and at least one vertically oriented partition part (60, 70), and wherein the respective partition part (60, 70) is provided with at least one interconnection slit (66, 76) wherein an interconnection slit (66, 76) of a horizontally or of a vertically oriented partition part (60, 70) extends from a free outer edge configured to face rearwardly from the front opening, and wherein an interconnection slit (66, 76) of a vertically oriented partition part (60, 70) crossing said horizontally oriented part (60, 70) extends from a free outer edge configured to face forwardly towards the front opening, or vice versa whereby the partition parts (60, 70) are configured to be positioned with the interconnection slits (66, 76) in register and to be moved towards each other thereby allowing the partition parts (60, 70) to interlock with each other.
9. The storage box according to claim 5 and 8, wherein

the respective interconnection slit (66, 76) extends with an angle with respect to the fold line (65, 75), preferably transverse to the fold line (65, 75), between the first and the second panel portion (63, 73), wherein an interconnection slit (66) of one of the partition parts (60) extends from a respective free outer edge of the first panel portion (63a) and of the second panel portion (63b) towards the fold line (65), and wherein an interconnection slit (76) of the other partition part (70) extends from the fold line (75) towards a respective free outer edge of the first panel portion (73a) and of the second panel portion (73b).

10. The storage box according to any of the preceding claims, wherein the storage box (1) is formed of a paper-based material.

11. The storage box according to any of the preceding claims, wherein the longitudinally extending edges (15a, 15b) of the rear wall panel (10) are provided with a first set of connection tabs (11a, 11b, 11c) and a second set of connection tabs (12a, 12b, 12c), respectively, the first set of connection tabs (11a, 11b, 11c) being configured to engage and extend through a first set of openings (21a, 21b, 21c) of the bottom wall panel (20), and the second set of connection tabs (12a, 12b, 12c) being configured to engage and extend through a first set of openings (21a, 21b, 21c) of the top wall panel (30).

12. The storage box according to any of the preceding claims, wherein the transversally extending edges (16a, 16b) of the rear wall panel (10) are provided with a third set of connection tabs (13a, 13b, 13c) and a fourth set of connection tabs (14a, 14b, 14c), respectively, the third set of connection tabs (13a, 13b, 13c) being configured to engage and extend through a first set of openings (43a, 43b, 43c) of the first opposing end wall panel (40), and the fourth set of connection tabs (14a, 14b, 14c) being configured to engage and extend through a first set of openings (43a, 43b, 43c) of the second opposing end wall panel (50).

13. The storage box according to any of the preceding claims, wherein the opening and/or the perimeter of the front of the opening of the storage box (1) is configured to receive a lid.

14. A kit of blanks configured to be assembled into a storage box according to any one of claims 1-13,

wherein the rear wall panel (10), the bottom wall panel (20), the top wall panel (30), the first end wall panel (40), and the second end wall panel (50), are provided as an integrally formed major

blank (2,3), and

wherein the partition part or parts (60, 70) are provided as a blank or blanks being separate from, or at least separable from, the major blank (2,3).

15. A kit of blanks configured to be assembled into a storage box according to any one of claims 1-13,

wherein the rear wall panel (10), the bottom wall panel (20), the top wall panel (30), the first end wall panel (40), and the second end wall panel (50), are provided as separate blanks, and wherein the partition part or parts (60, 70) are provided as a blank or blanks being separate from, or at least separable from, the blanks forming the rear wall panel (10), the bottom wall panel (20), the top wall panel (30), the first end wall panel (40), and the second end wall panel (50). 16. Method of erecting a storage box with a partition interior, the method comprising:

folding the bottom wall panel (20), the top wall panel (30), the first end wall panel (40), and the second end wall panel (50), relative to the rear wall panel (10) and thereby forming a storage box (1) having a front opening, inserting at least one partition part (60, 70), and

folding the abutment tabs (25, 45) inwardly such that the respective edge portion of the partition part (60, 70) becomes clamped between the abutment tabs (25, 45) and the associated wall panel (10, 20, 30, 40, 50) of the storage box (1) such that the partition part (60, 70) becomes correctly positioned by the respective edge portion of the partition part (60, 70) extending through the slit (26, 46) formed between neighbouring abutment tabs.

16. Method of erecting a storage box (1) with a partition interior, the method comprising:

folding a bottom wall panel (20), a top wall panel (30), a first end wall panel (40), and a second end wall panel (50), relative to a rear wall panel (10), and thereby form a storage box (1) having a front opening, inserting at least one partition part (60, 70), and folding abutment tabs (25a, 25b, 25c, 45a, 45b, 45c) of the respective bottom wall panel (20), top wall panel (30), first end wall panel (40), or second end wall panel (60), inwardly such that a respective edge portion of the partition part (60, 70) becomes clamped between the respective abutment tab (25a, 25b, 25c, 45a, 45b, 45c) and the associated wall panel (20, 30, 40, 50)

of the storage box (1) such that the partition part (60, 70) becomes correctly positioned by the respective edge portion of the partition part (60, 70) extending through the slit formed between neighbouring abutment tabs ((25a, 25b, 25c, 45a, 45b, 45c). 5

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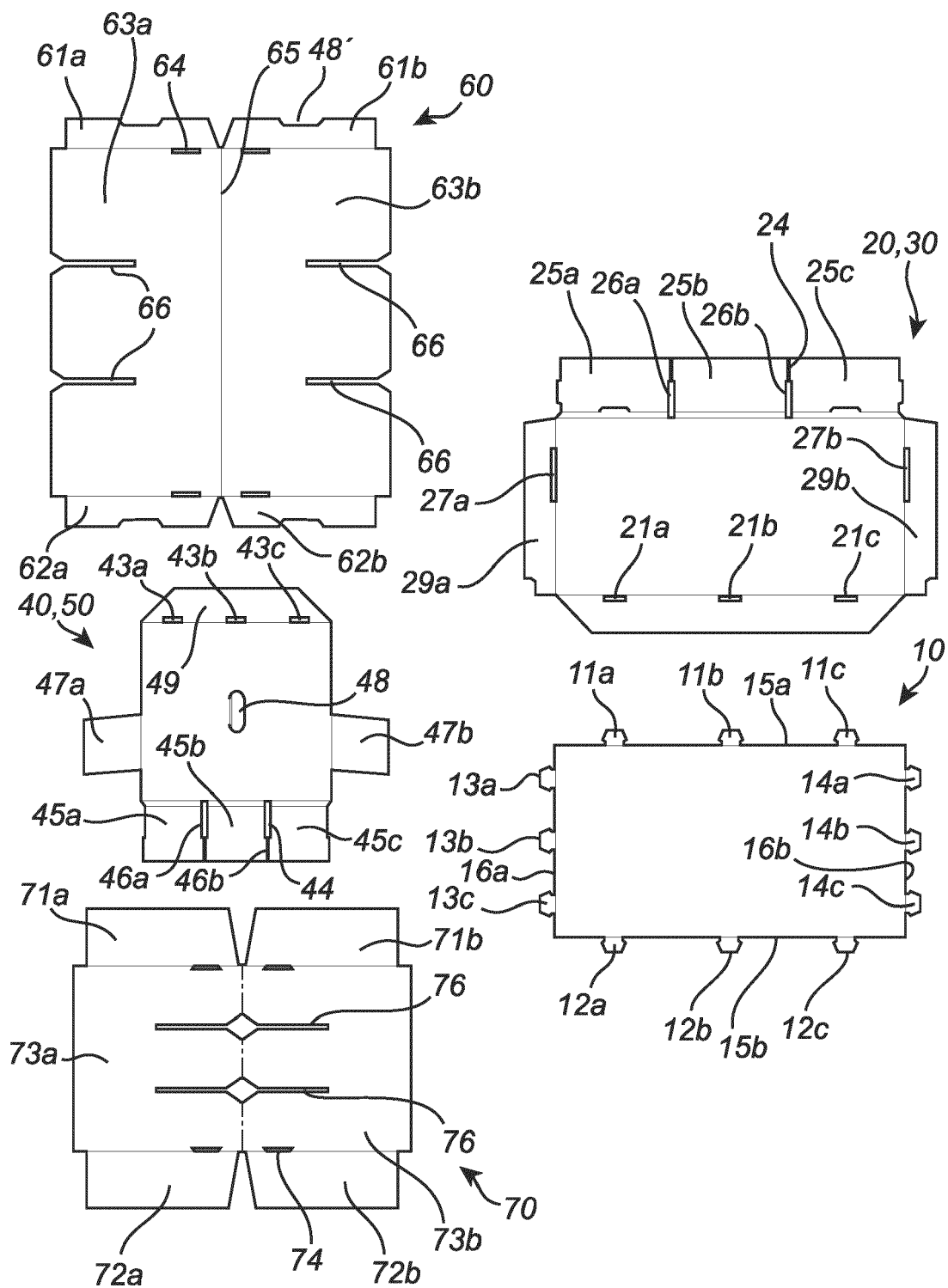


Fig. 1

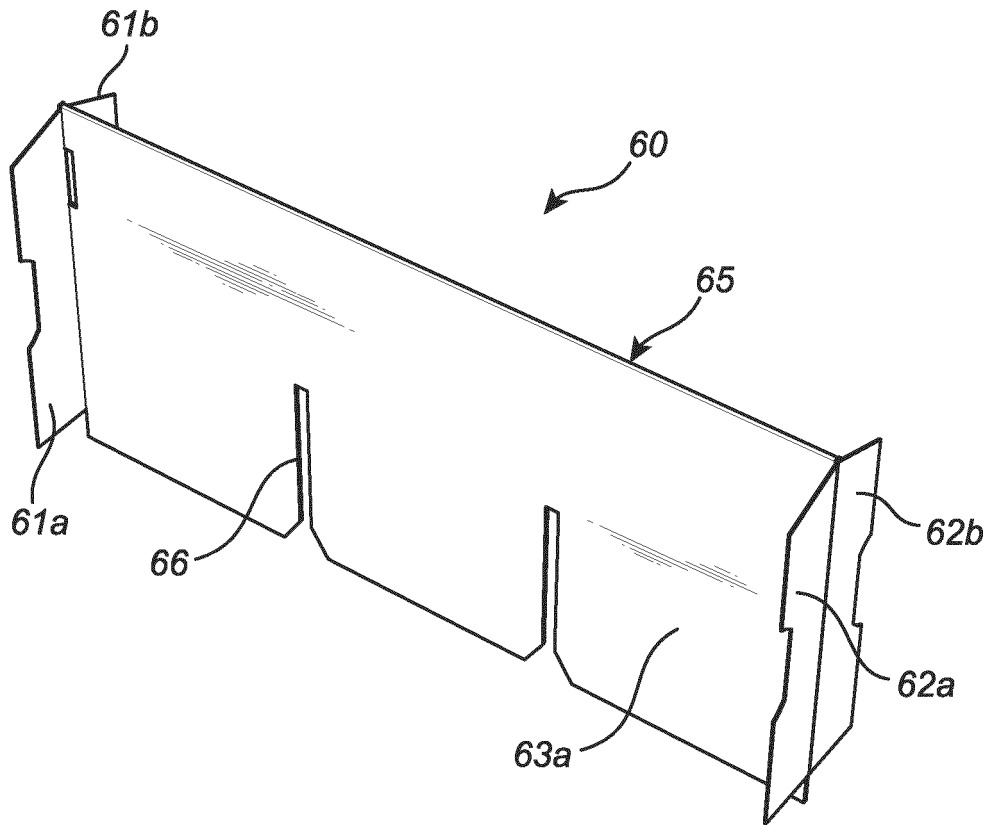


Fig. 2

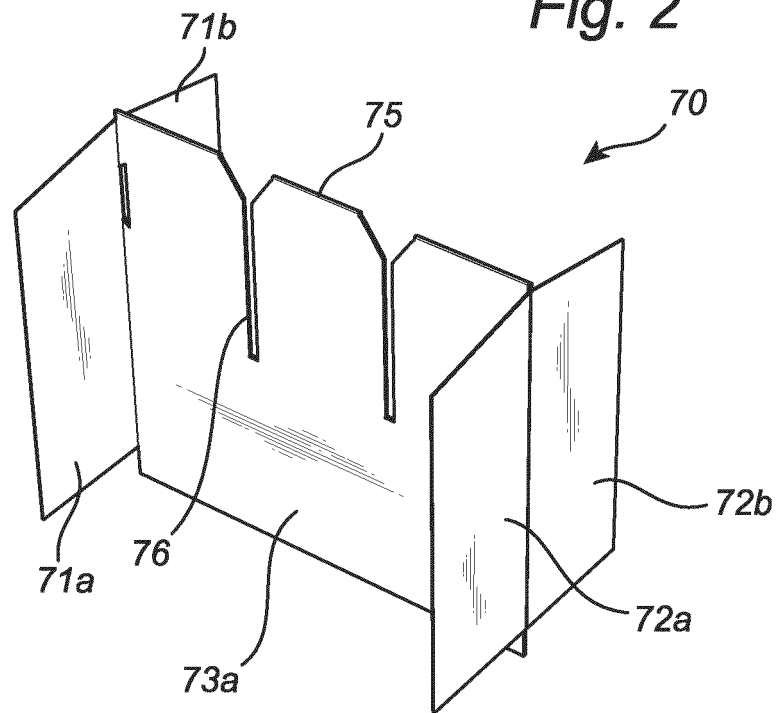


Fig. 3

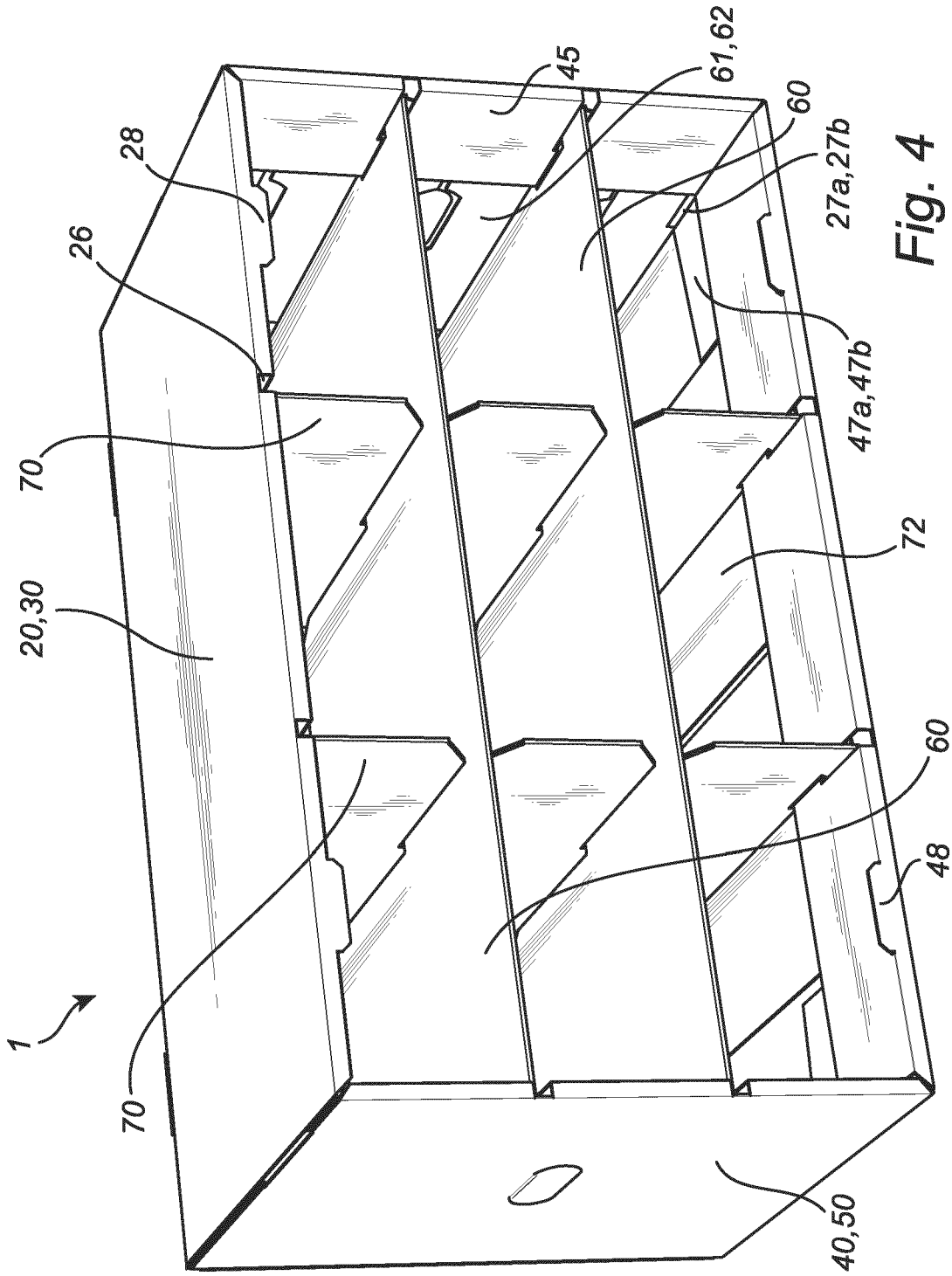


Fig. 4

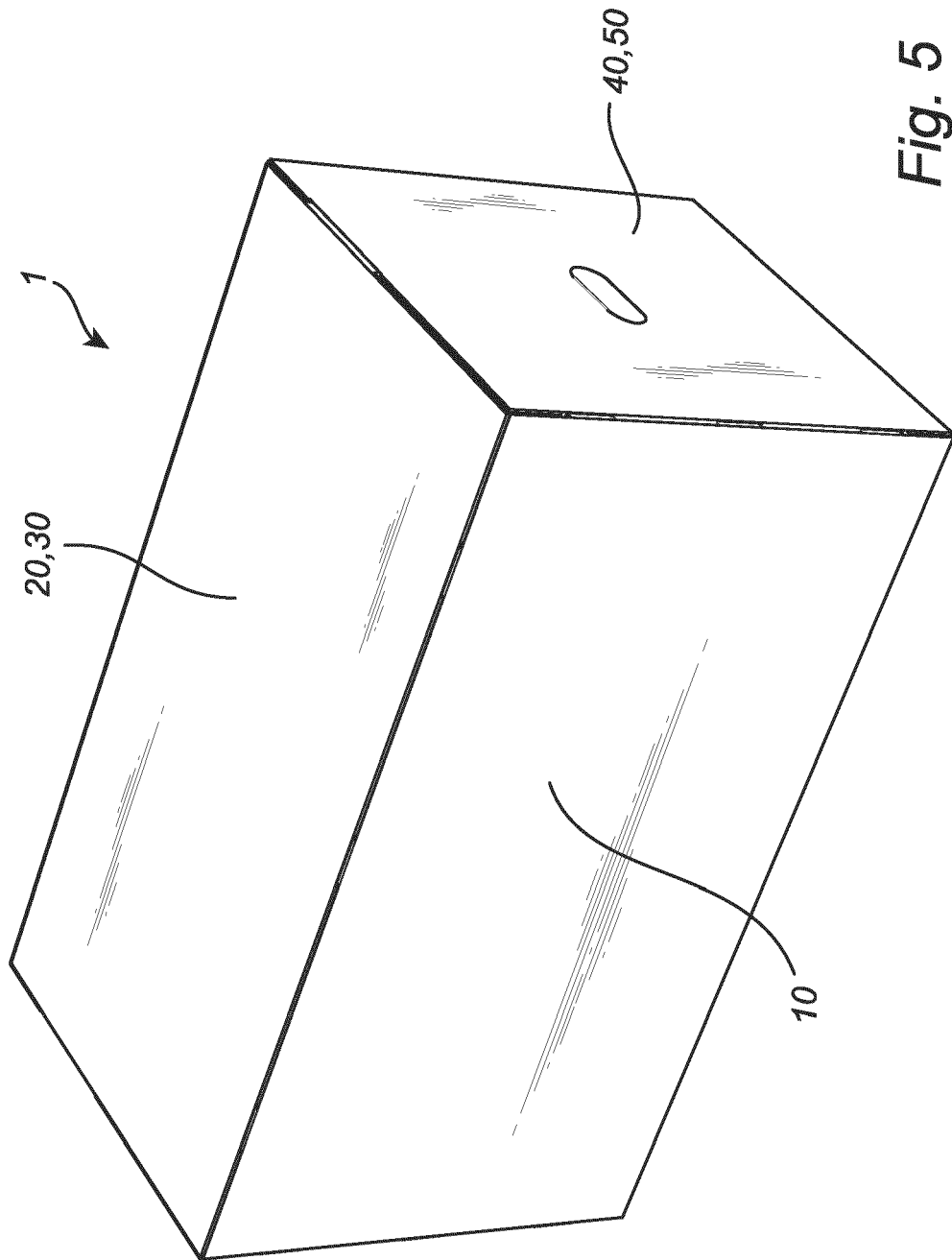


Fig. 5

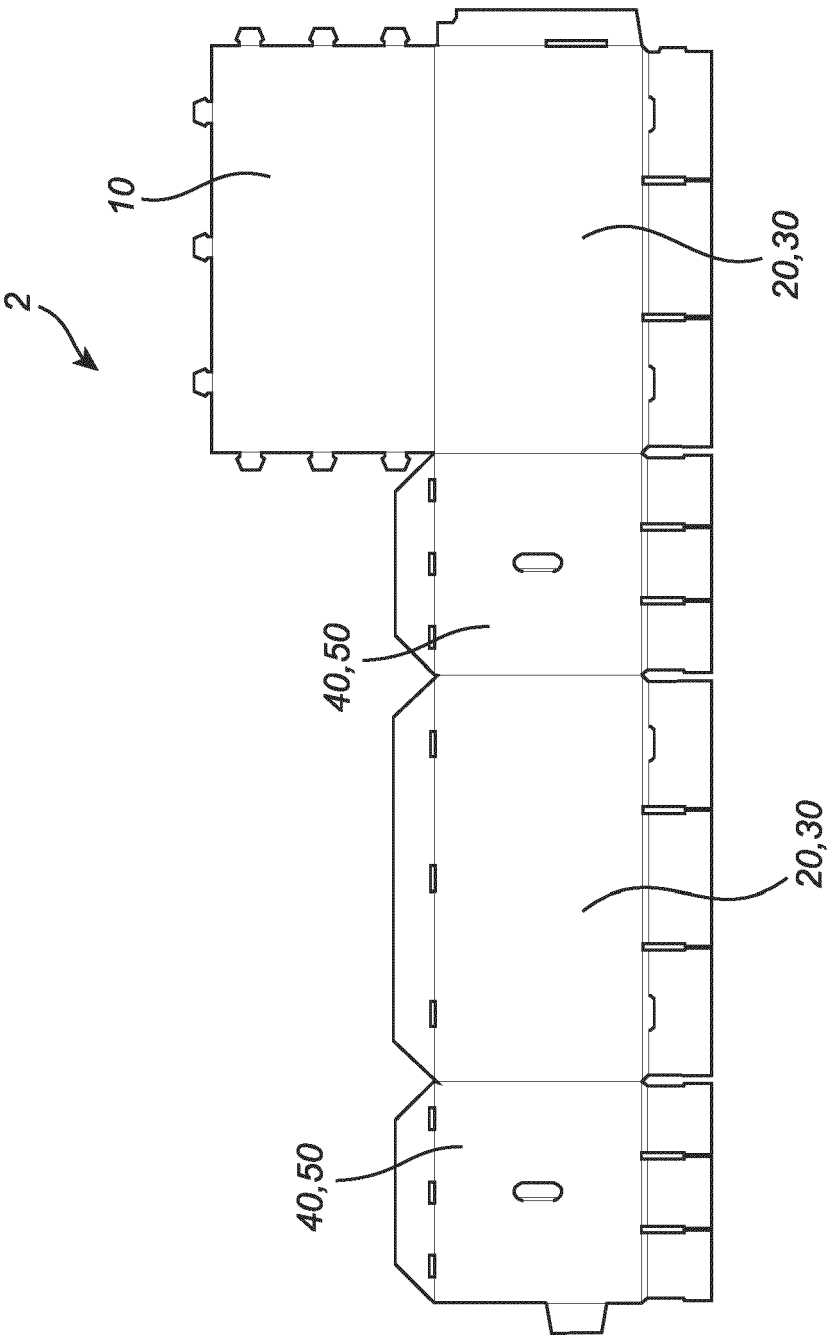


Fig. 6

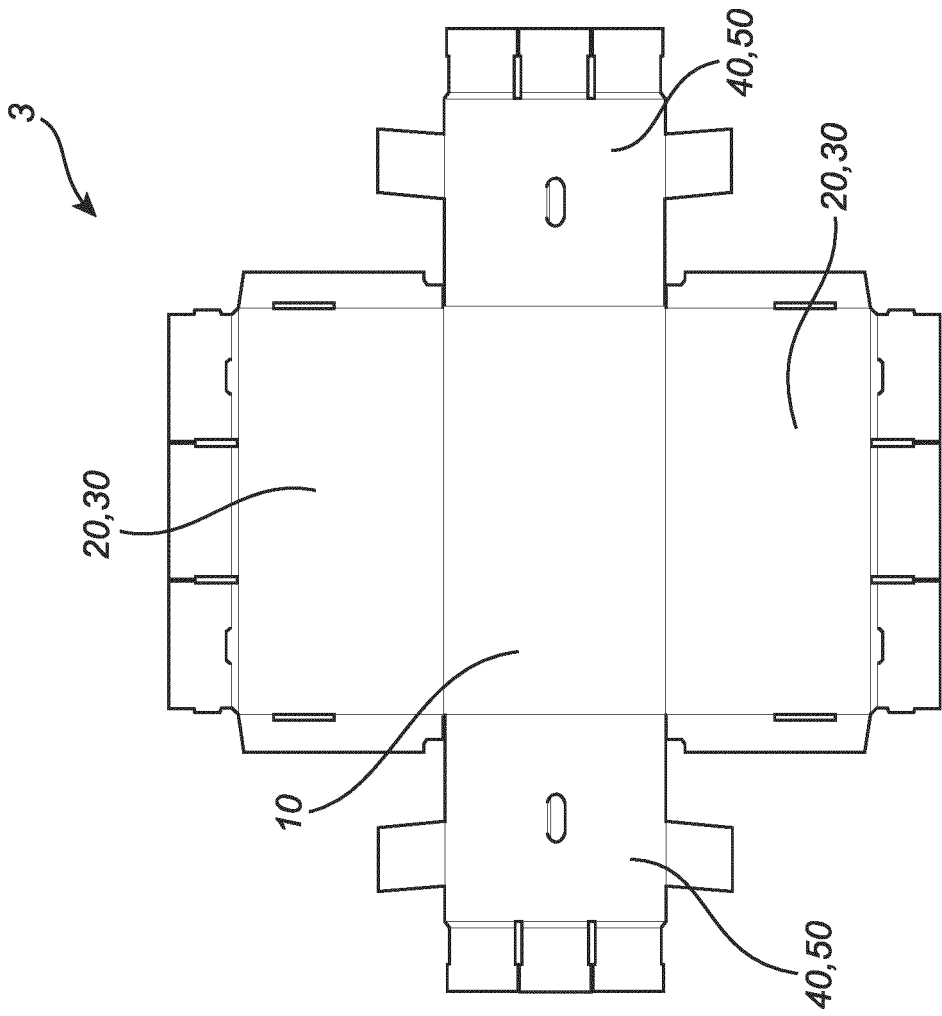


Fig. 7



EUROPEAN SEARCH REPORT

Application Number

EP 22 46 1544

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EPO FORM 1503 03.82 (P04C01)

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 3 393 859 A (DOMENIC GIUMMO) 23 July 1968 (1968-07-23) * column 2, line 23 - column 5, line 3; figures 1-5 *	1-16	INV. B65D5/10 B65D5/30 B65D5/32 B65D5/49 B65D5/498
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A	US 3 258 188 A (HOUSTON LEWIS C) 28 June 1966 (1966-06-28) * column 2, line 33 - column 7, line 26; figures 1-7 *	1-16	
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			TECHNICAL FIELDS SEARCHED (IPC)
			B65D
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 24 October 2022	Examiner Lämmel, Gunnar
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	

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

EP 22 46 1544

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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24-10-2022

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REFERENCES CITED IN THE DESCRIPTION

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