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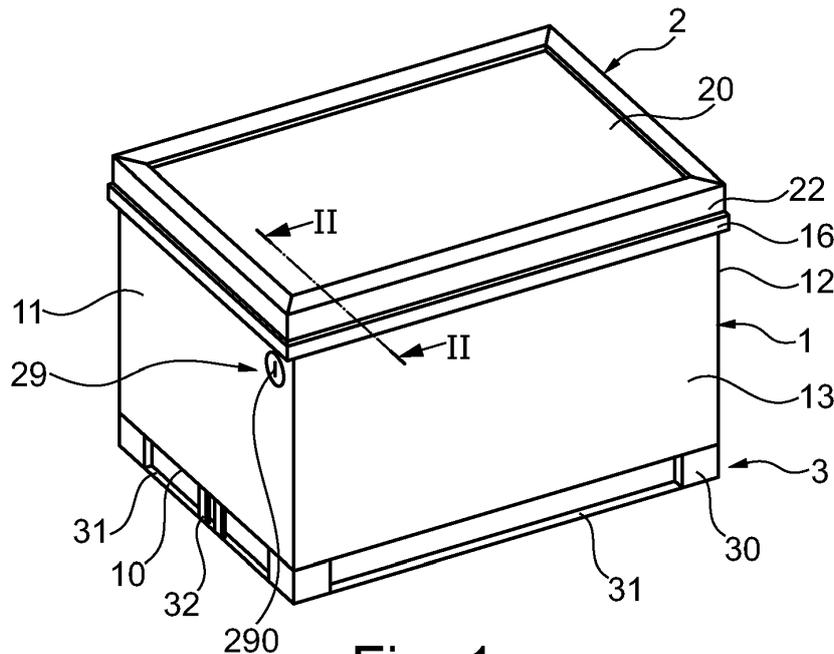
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(54) **STORAGE CONTAINER FOR HANDLING IN CONNECTION WITH RECYCLING**

(57) This invention relates to a storage container, suitably for secure storage of used batteries, etc. for recycling, comprising a container body (1) and a lid (2), said container body (1) comprising of bottom wall (10), a front wall (11), a back wall (12), two longitudinal walls (13) and an opening (14) facing upwardly enabling introduction of a battery in to the interior of the storage container (1, 2), said container body (1) having a fork lifting

arrangement (3) attached to the outside of the bottom wall (10), and wherein there is arranged a locking arrangement (29) arranged to securely lock the lid (2) to the container body (1), wherein said lid (2) is divided into at least two lid parts (20A, 20B, 20C) and that each one of said at least two lid parts (20A, 20B, 20C) is arranged with locking arrangement (29A, 29B, 29C).



**Fig. 1**

**Description**

## TECHNICAL FIELD

**[0001]** This invention relates to a storage container, especially for secure storage of used batteries, comprising a container body and a lid, said container body comprising of bottom wall, a front wall, a back wall, two longitudinal walls and an opening facing upwardly enabling introduction of a battery in to the interior of the storage container, said container body having a fork lifting arrangement attached to the outside of the bottom wall, and wherein there is arranged a locking arrangement arranged to securely lock the lid to the container body.

## BACKGROUND

**[0002]** The storage for recycling of valuable bulky objects, e.g. used batteries, especially lead batteries, is causing some serious problems. Firstly, due to the fact that such objects may be hazardous to handle due to being heavy and/or containing harmful chemicals, e.g. strong acid. Hence, storage thereof requires fulfilment of some requirements set by authorities regarding handling of hazardous objects. Secondly, because some of these objects have a relatively great value on the market, especially the black market, which make them attractive for theft. Since most storage containers for recycling have a lid that is locked by use of pad lock/s it is mostly easy for professional thieves to open end steel objects from today's kind of storage containers for recycling.

**[0003]** There exist many examples of containers having lids with locking arrangements, from other technical fields. On such example is within the field of garbage bins, wherein locking arrangements are known to be used, e.g. US-6290093, DE-U-29512609, DE-U-9208998 and DE-4428427. However, here the purpose is totally different since garbage bins do not contain valuable objects, prone to be stolen.

**[0004]** Accordingly, there is a need for an improved storage containers for recycling of valuable bulky objects.

## SUMMARY OF THE INVENTION

**[0005]** It is an object of the invention to provide for improvements regarding recycling of valuable bulky objects, which is achieved by means of storage container in accordance with the independent claim appended hereto.

**[0006]** There is achieved a logistic chain that may increase the amount of valuable bulky objects that are successfully recycled. Thanks to the invention there is provided a storage container that offers a more secure storage of bulky valuable object that may eliminate or at least minimize theft and that also may provide more ergonomic handling in connection with supplying the storage container with relatively heavy recycling objects, e.g. large batteries.

**[0007]** According to further aspects of the invention:

- said protected space (153) is in the form of a hollow channel, wherein said hollow channel at least partly is formed by an enforcement member (152) attached to said container body (1), which provides a synergistic advantage.
- said lid (2) is divided into at least three lid parts (20A, 20B, 20C). wherein preferably one of said lid parts (20C) is larger than each one of the other two lid parts (20A, 20B), which may provide easy and ergonomic handling in connection with supplying object to the container, wherein more preferred at least two of the lid parts (20A, 20B, 20C) are pivotally, hingedly attached to outer upper edges of said container body (1) and that said larger lid part (20C) and at least a first one (20B) of said smaller lid parts (20A, 20B) are attached by means of a first hinge (23C) and a second hinge (23B), respectively, having their pivotal axis arranged perpendicularly in relation to each other.
- the second one (20A) of said smaller lid parts (20A, 20B) is attached by means of a third hinge (23A) adjacent an opposite edge in relation to said second hinge (23) of said first one (20B) of said smaller lid parts (20A, 20B). wherein the pivotal axis of said second and third hinges (23B, 23A) are in parallel.
- said container body (1) has width (W) and length (L) dimensions adapted to one or two EURO-pallet and having an upper edge (17) that is provided at height (H) that is less than 1,2 m, wherein preferably the width and length, respectively, is 1,2 meter or less, which may provide for easy logistics.
- said lid (2) is arranged with downwardly protruding flanges (220) and that preferably said container body (1) at its outside, below but adjacent an upper edge (17) is arranged with a protective member (16), providing an upper surface in close proximity and/or in contact with the lowermost edge of said downwardly protruding flanges (220) when the lid is in its closed locked position, which may provide for extra security, wherein preferably said lid (2) along its edges is arranged with L-shaped edge members (22) that provide said downwardly protruding flanges (220).
- said fork lifting arrangement (3) includes frame members (31, 32) providing the ability to keep said container body (1) upside down by means of forks introduced into the fork lifting arrangement (3), which may provide for easy logistics.

**[0008]** Further advantageous aspects will become apparent from the detailed description below.

## BRIEF DESCRIPTION OF THE FIGURES

**[0009]** In the following the invention will be described more in detail with reference to the enclosed figures, wherein:

Figure 1 shows a perspective view of a storage container according to an exemplary embodiment of the invention,

Figure 2 shows a partial cross-sectional view along II-II in Fig. 1,

Figure 3 shows a corner part, from below of a lid according to an exemplary embodiment of the invention,

Figure 4 shows a corner part, from above of a container body without lid according to an exemplary embodiment of the invention, ,

Fig. 5 there is shown a schematic perspective view of a preferred modification of the invention, and,

Fig. 6 there is shown a kind of sealing arrangement to hinder rain from entering the container.

#### DETAILED DESCRIPTION

**[0010]** In figure 1 there is shown a perspective view of a storage container according to a preferred embodiment of the invention. There is shown a container body 1 on top of which is arranged a lid 2. The lid 2 has a basic lid plate 20 that is substantially horizontally arranged in level with the upper main level of the storage container body 1, preferably by having the lid 2 resting upon an upper edge 17 of the container body 1.

**[0011]** The container body 1, may be parallel epipedic, comprising a bottom wall 10, a front wall 11, a rear wall 12 and two side walls 13 and an upper supporting edge 17, for the lid 2. Alternatively, at least one of the walls 10,12, 13 is arranged at an angle larger than 90° in relation to the bottom 10, such that emptying of the container may be more easily achieved.

**[0012]** Below the container body 1 there is arranged a forklifting arrangement 3 attached to the outside of the bottom wall 3. The forklifting arrangement is basically designed in a traditional manner but also includes frame members 31, 32 that will enable the forks of the fork lifter to hold the container body 1 also in a up-and-down turned position which may be needed in connection with emptying the container body 1.

**[0013]** Further, it is shown that at one side wall 11 of the container body 1 there is arranged a key operated locking member 290 that forms a part of a locking arrangement 29. The key operated locking member 290 includes a movable plunger device 293, which plunger device 293 may be moved in and out in a traditional manner. In cooperation with the plunger 293 there is arranged a protruding locking member 291 attached to the lid 2, which protruding locking member 291 is arranged with a recess/passage 294 or similar arrangement that may provide an edge interacting with the plunger 293 to hinder removal of the lid 2 once the key operated locking member 290 is activated. It is evident that the key operated locking member 290 may be provided in many various kinds, and that a plurality of key operated locking members 290 may be used, e.g. wherein it is sufficient to cause deactivation one to open all of them (e.g. by serial cou-

pling). It is foreseen that most existing key operated locking members may be used in connection with the invention to fulfil the basic function of the invention. For instance, it is evident that an electrically powered key operated locking member 290 may be used, e.g. by providing a battery in near proximity to the key operated locking member 290. Such a key operated locking member may use a variety of electronic keys, e.g. RFI-tags, smart phone operated software, biometrics, etc. As shown in Fig.1 it is of course foreseen that also traditional keys may be used to control the plunger 293, enabling the lid 2 to be either locked onto the container body 1 or free to be removed from the container body 1.

**[0014]** As shown in Figs. 2 and 4 the key operated locking member 290 is preferably positioned within a housing device 152 providing a protected space 153. In the preferred embodiment the protected space 153 is provided by means of an enforcement member 152, that provides a synergetic effect of protecting the key operated locking member 290 and also to provide extra strength to the container body 1. A main reason to use a protected space 153 is to make it more difficult for thieves to get access to the key operated locking member 290. However, there is also an advantage in hiding the key operated locking member 290 in a protected space 153, due to the fact that some objects that are stored within recycling containers may contain chemicals that could jeopardize the functionality of the key operated locking member 290, if coming into contact therewith. Of course, it also provides protection against wear and mechanical strikes. However, it is foreseen that all locking members must not be of the same security level, i.e. all locking members 290 must not be key operated and/or provided within a specific housing/protective space.

**[0015]** In the shown figures it is exemplified that the protected space 153 is provided by an L-shaped beam 152 that is welded into a corner of the container body 1. It is evident that many other forms may be used to provide said protective space 153, e.g. U-shaped tubes/beams. Preferably, the protected space 153 forms an integral part of an enforcement member that provides strength to the container body 1, by extending along the walls of the container body 1, preferably vertically and/or horizontally. For some applications it may be preferred to use a tubular member, e.g. square tube or circular tube to provide extra strength and/or security. Moreover, it is foreseen that other materials may be used, e.g. composites and/or strong polymer.

**[0016]** In the preferred embodiment there is a further security arrangement. Preferably the lid 2 at its outer periphery is arranged with downwardly protruding flanges 220, e.g. by means of using L-beams 22, that protrude below the upper edge 17 of the container body 10, which in itself may hinder a bending object to be introduced between the edge 17 and the lid 2. Further, there is preferably arranged protective rods 16 onto each wall 11, 12, 13 which are positioned below the upper edge 17 of the container body at the outside thereof at a level such that

the lower edge of the downwardly protruding flange 220 is in near proximity to and/or contact with its upper surface, whereby no tools may be introduced in between the two parts 220, 16.

**[0017]** In Fig 3 it is shown that at the lower surface of the lid 2, preferably near a corner position there is attached (e.g. by welds) a locking member 291 provided with a passage 294 that matches the plunger 293 of the key operated locking member 290. Accordingly, the lid 2 may be locked into position by activating the key operated locking member 290 to thereby push the plunger 293 through the opening 294 whereby the two parts are securely locked into each other.

**[0018]** In Fig. 4 there is shown in more detail a corner part from above of a container body 1, without lid 2, according to the invention, wherein the plunger 293 has been activated to protrude out from the key operated locking member 290. Further it is shown that preferably the upper edge 17 of the container body may be provided with extra enforcement, e.g. by folding the upper edges of the walls 11,12,13, to safe guard extra strength of the upper edge.

**[0019]** It is foreseen that the lid 2 may be arranged with hinges (not shown) at the other end of the lid in relation to the position of the locking arrangement 29, such that the lid 2 may be pivoted away to present the opening 14 of the container body 1, e.g. in connection with putting objects into it or emptying it from stored objects. The hinges are preferably such that the lid 2 may easily be removed from the container body 2, in connection with emptying. Moreover, it is foreseen that to provide for a more easily lifted lid 2, there may be a lid arrangement (not shown), where it is divided into two halves by hinges provided at the centre thereof. In such an arrangement it is foreseen that lock arrangements 29 will be provided for at both sides of the container.

**[0020]** The container 1,2 may be placed in an accessible position on desired place for placement of desired objects, e.g. recirculation of batteries. When the container body 1 is sufficiently filled it may be lifted by use of a fork lifter and moved to a desired position for emptying. Thereafter the container may be sequentially emptied by sequentially rotating the forks. Hence, the container 1 may easily be emptied by lifting and turning it 180 degrees.

**[0021]** Further the container 1,2 may be equipped with sensor and communication devices (not shown) that may remotely inform of the filling level of a container 1,2, that may eliminate need of human control for initiating emptying of a container 1,2 and which may assist in optimizing (e.g. by means of software assembling data from a plurality of containers) a transport route of a collecting vehicle having capacity to collect from a plurality of containers 1,2. This equipment can also be used to send alarm if there is identified a pattern of movements that indicates a possible attempt of unauthorized opening of the container. Possibly also in combination with initiating an audible alarm at the site.

**[0022]** In Fig. 5 there is shown a preferred modification of the invention described above. Basically, the same structure exists and also the function as described above. The major difference is that the lid 2 in this embodiment is divided into three parts. One of the three parts 20C is having the size of about half of the area of the total area of the lid. Further there are two other lid parts 20A, 20B that occupy the area of a quarter of each of the total area of the lid. Accordingly, these three parts 20A, 20B, 20C together cover the opening into the container 1. One of the smaller parts 20A is the one that may be opened firstly, without the need of opening of any of the other two 20B, 20C. Thanks to this design merely a small part of the lid which is less heavy need to be pivoted away to obtain opening into the container 1.

**[0023]** The two smaller parts 20A, 20B have substantially the same size. And a hinge 23A joining them such that when the first part 20A is pivoted it will be positioned on top of in line with the second part 20B. Further the second smaller lid part 20B is also hingedly attached by means of hinge 23B in the edge portion between the edge of the container and the corresponding edge of the lid that the second smaller lid part 20B. Thanks to this design the two lids may be pivoted on top each other and further pivoted by means of the second hinge 23B and positioned along the side of the container wall 13 without touching the ground. In this position there is also arranged a first anchoring arrangement including a first anchoring device 61 attached to an outer side of the container body 1, which may be used to anchor/maintain the two pivoted lids along the side 13 of the container body during emptying of the container 1.

**[0024]** Further, there is shown that there are locking devices 29 arranged to securely lock the parts of the lid, in the desired flexible manner, preferably designed according to the principles described above. Firstly, there is a first locking arrangement 29A positioned along the outer side of the position of the first small lid part 20A, which locking arrangement 29A is preferably positioned within a protected space 153 formed by an enforcement member 152B. This locking device 29A has to be deactivated in order to be able to pivot the first small lid part 20A away and on top of the second small lid part 20B.

**[0025]** Moreover, there is a second locking device 29B arranged to lock and fixate the second small lid part 20B in its covering position. This is preferably achieved by using two locking devices 29B that act in cooperation with parts (not shown) both along the wall sides of the container 1 and also on the lower side of the large lid part 20C, e.g. in the form of a slidable locking pin cooperating with holes (not shown) in cooperating locking members (not shown) attached the wall 11 and/or beam 152B and the lower side of the large lid part 20C, respectively. Hence, this second locking arrangement 29B is preferably not positioned within a separate protected space formed by an enforcement member 152. Instead, it preferably may be of a simpler manually operated kind, since it is already protected by being positioned on the inside

of the lids, i.e. hidden within the interior space of the container. Accordingly, to pivot both of the small lid parts both the first locking device 29A and the second locking device need to be deactivated.

**[0026]** Further it is shown that there are arranged cover plates 70A and 70B that are fixedly attached to each one of the small lid parts 20A, 20B. The first cover plate 20A protrudes on top of the large lid plate part 20C basically along a centre line dividing the large lid part 20C from the two small lid parts 20A, 20B. In a corresponding manner the second cover plate 70B is fixedly attached to the second small lid part 20B and protrudes on top of the large lid part 20C. Accordingly the large lid part 20C is held in place also by these two cover plates 70A, 70B and do also cover any gap between the lids, such that a tool, e.g. crowbar, may not be fitted between the lids.

**[0027]** A third locking device 29C is preferably also arranged that separately will lock the large lid part 20C in its covering position, as an extra measure in relation to the fact that the large lid part 20C is also held in its covering position by the cover plates that overlap on top of the large lid part 20C. Preferably there is one third locking device 29C on each side adjacent each inner corner of the large lid part 20C, preferably in the form of a manually activatable sliding locking pin (similar to the second locking device) that may lock into a hole (not shown) in the walls 13 and/or beam 152B, as indicated in Fig. 5. Also the large lid part 20C is pivotally arranged by means of a hinge 23C that facilitates pivoting and allowing the large lid plate part 20C to hang down along the wall 12. In this position the large lid plate part 20C may be anchored in that position by means of a second anchoring arrangement including a second anchoring device 61 attached to an outer side of the container body 1.

**[0028]** Thanks to using three lids 20A, 20B, 20C increased flexibility is achieved, i.e. the most frequent size of objects may be introduced into the container 1 by merely having the first lid part 20A open, which is extra easily pivoted manually thanks to its small size. Further the design preferably is such that when the first lid part 20A is locked it is not possible to open any of the other lid parts, and more preferred not possible to inactivate any of the other locking devices 29B, 29C. For larger objects the second lid part 20B may need to be opened, which may also easily be achieved manually, thanks to the folded compact size of the two lid parts 20A, 20B. A further advantage is that the folded compact size of the two lid parts 20A, 20B implies that a container of rather limited height H may have the folded compact two lid parts 20A, 20B hanging along the wall without reaching below the bottom 10, since the size of the folded compact two lid parts 20A, 20B will be half (or nearly half, depending on choice of sizes) of the length W of the wall 11 along which they extend. Similarly the same advantage exist for the larger lid part 20C, i.e. it will extend downwardly half (or nearly half, depending on choice of sizes) of the length L of the wall 13 along which it extends.

**[0029]** A further difference is that in this embodiment,

the enforcement parts 152A, 152B are shown to possibly be positioned along the outside of the wall parts 11, 12, 13. Further as shown there may be one centrally positioned enforcement member 152A extending vertically at the centre of the longitudinal walls 13. At the upper edge a round hole upper periphery of the opening of the container 1 there are positioned enforcement members 152B that extend horizontally all the way around at the container top. It is in this enforcement member that the peripheral hinges 23B, 23C may be positioned.

**[0030]** As schematically shown in Fig. 6 there is preferably arranged a sealing arrangement 8 hindering water from flowing from the large lid part 20C into the container, via the transition zone between the smaller lids parts 20A, 20B and the large lid part 20C. In the shown embodiment the sealing arrangement 8 is achieved by means of having the outer edge of the large lid part 20C protruding upwardly along an acute angle in relation to the plane of extension (horizontal normally) of the large lid part 20C when in its covering position. As a consequence, the overlapping parts of the smaller lids parts 20A, 20B may be in the form of V, to cover the upwardly protruding outer edge of the large lid part 20C. Preferably a similar function is arranged in connection with the first hinge 23A, i.e. that the edges where the hinge 23A is attached are protruding at an acute angle upwardly, thereby hindering water to drain via the hinge 23A. This position of the hinge may also providing a more compact unit when the first lid part 20A is pivoted on top of the second lid part 20B, i.e. by pivoting at a level above the plane of extension of the lid parts 20A, 20B such that added members 70A, 70B may have sufficient space in a folded state.

**[0031]** The invention is not limited to that described above but may be varied within the scope of the claims. It is realized that many modifications may be arranged for by the skilled person within the ambit of the claims without inventive skill, e.g. to use different materials and/or different numbers of details than that described and/or to use the container for secure storage of other objects that may need extra security, e.g. due to including material that has a high value, e.g. cables including copper. In that regard it is foreseen that the size of the container may have other preferred dimensions, e.g. larger for cables since cables are normally not as heavy as batteries. It is evident that the skilled person foresees that in principle various sizes/formats may be used without departing from the inventive concept. Likewise, it is foreseen that the same principles apply for the lid. Further it is foreseen that different kind of lids 2 may be used for one and the same container body 1, e.g. one kind of lid 2 for collection of objects (e.g. a more sophisticated lid as that described in SE-A-1951155) and another kind of lid 2 for transportation of a filled container. Moreover, it is foreseen that to provide for extra security, more than one locking arrangement 29 may be arranged for at each side, i.e. implying that four locking arrangements 29 may be used if a divided lid 2 is used. Furthermore, it is evident for the skilled person that the security arrangement ac-

ording to the invention may be arranged in various manners, e.g. that the locking arrangement 29 may be positioned with a protected space 153 that must not necessarily be a part of an enforcement member but provided in a separate housing, e.g. in some applications there may not be a need for protecting the locking arrangement 29 and in some applications it may merely be need of a simple kind of protective housing, e.g. made of cloth or plastic. Further it is evident for the skilled person that the sealing arrangement 8 may be in varying form, e.g. by a traditional sealing strip/s (not shown) attached to the upper surface of the larger lid part 20C.

**[0032]** Finally, it is foreseen that this application may be the subject for one or more divisional patents, e.g. not being limited to a divided lid, as shown in connection with Figs. 1-4. For example such a divisional application may be focused on a valuable bulky objects storage container, suitable for secure storage of used batteries etc. for recycling, comprising a container body (1) and a lid (2), said container body (1) comprising of bottom wall (10), a front wall (11), a back wall (12), two longitudinal walls (13) and an opening (14) facing upwardly enabling introduction of a battery in to the interior of the storage container (1, 2), said container body (1) having a fork lifting arrangement (3) attached to the outside of the bottom wall (10), and wherein there is arranged a locking arrangement (29) arranged to securely lock the lid (2) to the container body (1). wherein said locking arrangement (29) includes at least one key operated locking member (290). having a movable plunger device (293), which key operated locking member (290) is positioned within a protected space (153) provided by a housing device (152) fixedly attached to said container body (1), wherein preferably said housing device (152) is attached at the inside of at least one of said walls (11,12,13) and that said lid (2) is arranged with a downwardly protruding locking member (291) arranged to enable locking of said lid (2) by interaction with said plunger device (293), wherein more preferred said housing device (152) providing said protected space (153) is in the form of a hollow channel of an enforcement member attached to said container body (1).

## Claims

1. A storage container, suitably for secure storage of valuable and or hazardous objects, e.g. used batteries, for recycling, comprising a container body (1) with an opening (14) facing upwardly and a movable lid (2) arranged to cover said opening (14), said container body (1) comprising of bottom wall (10), a front wall (11), a back wall (12) and two longitudinal walls (13), said container body (1) having a fork lifting arrangement (3) attached to the outside of the bottom wall (10), and wherein there is arranged a locking arrangement (29) arranged to securely lock the lid (2) to the container body (1), **characterized in that**

said lid (2) is divided into at least two lid parts (20A, 20B, 20C) and that each one of said at least two lid parts (20A, 20B, 20C) is arranged with locking arrangement (29A, 29B, 29C).

- 5 2. A storage container according to claim 1, **characterized by** at least one of said locking arrangements (29A, 29B, 29C) including a key operated locking member (290), having a movable plunger device (293), which key operated locking member (290) is positioned within a protected space (153) provided by a housing device (152) fixedly attached to said container body (1) and that at least one of said at least two lid parts (20A, 20B, 20C) is arranged with a downwardly protruding locking member (291) arranged to enable locking of said lid (2) by interaction with said plunger devices (293).
- 10 3. A storage container according to claim 2, **characterized in that** said protected space (153) is in the form of a hollow channel, wherein said hollow channel at least partly is formed by an enforcement member (152) attached to said container body (1), wherein preferably said enforcement member (152) has a cross-sectional form that includes L-shape, preferably includes U-shape, wherein more preferred said cross-sectional form is tubular.
- 15 4. Storage container according to claim 3, **characterized in that** at least one of said enforcement member (152) is arranged to extend vertically along at least one said wall (11,12,13) of said container body (1).
- 20 5. Storage container according to claim 3 or 4, **characterized in that** at least one of said enforcement member (152) is arranged to extend horizontally along at least one said wall (11,12,13) of said container body (1) adjacent said opening (14).
- 25 6. Storage container according to any preceding claim, **characterized in that** said at least two the lid parts (20A, 20B, 20C) are pivotally, hingedly attached to outer upper edges of said container body (1) by means of a first hinge (23C) and a second hinge (23B), respectively, having their pivotal axis arranged perpendicularly in relation to each other.
- 30 7. Storage container according to any preceding claim, **characterized in that** said lid (2) is divided into at least three lid parts (20A, 20B, 20C), wherein preferably one of said lid parts (20C) is larger than each one of the other two lid parts (20A, 20B).
- 35 8. Storage container according to claim 7 or 8, **characterized in that** the second one (20A) of said smaller lid parts (20A, 20B) is attached by means of a third hinge (23A) adjacent an opposite edge in relation to said second hinge (23) of said first one (20B) of said
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smaller lid parts (20A, 20B), wherein the pivotal axis of said second and third hinges (23B, 23A) are in parallel.

9. Storage container according to any preceding claim, **characterized in that** the body of said container (1) has width (W) and length (L) dimensions adapted to one or two EURO-pallet and having an upper edge (17) that is provided at height (H) that is less than 1,2 m, wherein preferably the width and length, respectively, is 1,2 meter or less. 5  
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10. Storage container according to any preceding claim, **characterized in that** said lid (2) is arranged with downwardly protruding flanges (220) and that said container body (1) at its outside, below but adjacent an upper edge (17) is arranged with a protective member (16), providing an upper surface in close proximity and/or in contact with the lowermost edge of said downwardly protruding flanges (220) when the lid is in its closed locked position. 15  
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11. Storage container according to claim 7, **characterized in that** said lid (2) along its edges is arranged with L-shaped edge members (22) that provide said downwardly protruding flanges (220). 25
12. Storage container according to any preceding claim, **characterized in that** said fork lifting arrangement (3) includes frame members (31, 32) providing the ability to keep said container body (1) up side down by means of forks introduced into the fork lifting arrangement (3). 30
13. Storage container according to any preceding claim, characterized in that at least one of said lid plate parts (20A, 20B, 20C) may be locked in an opened pivoted position along a wall (11, 12, 13) by means of an anchoring arrangement including an anchoring device (60, 61) attached to the outside of said container body (1) 35  
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14. Storage container according to claim 14, characterized in that said at least two lid parts (20A, 20B, 20C) may be locked in an opened pivoted position along one wall part (11, 12, 13) each, enabling emptying of said container with said lid parts releasably attached by means of a plurality of anchoring arrangements including a plurality of anchoring devices (60, 61). 45  
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15. Storage container according to any preceding claim, characterized in that there is provided a sealing arrangement (8) arranged to hinder water to drain into the container (1) via a transition zone between the at least two lid plate parts (20A, 20B, 20C). 55

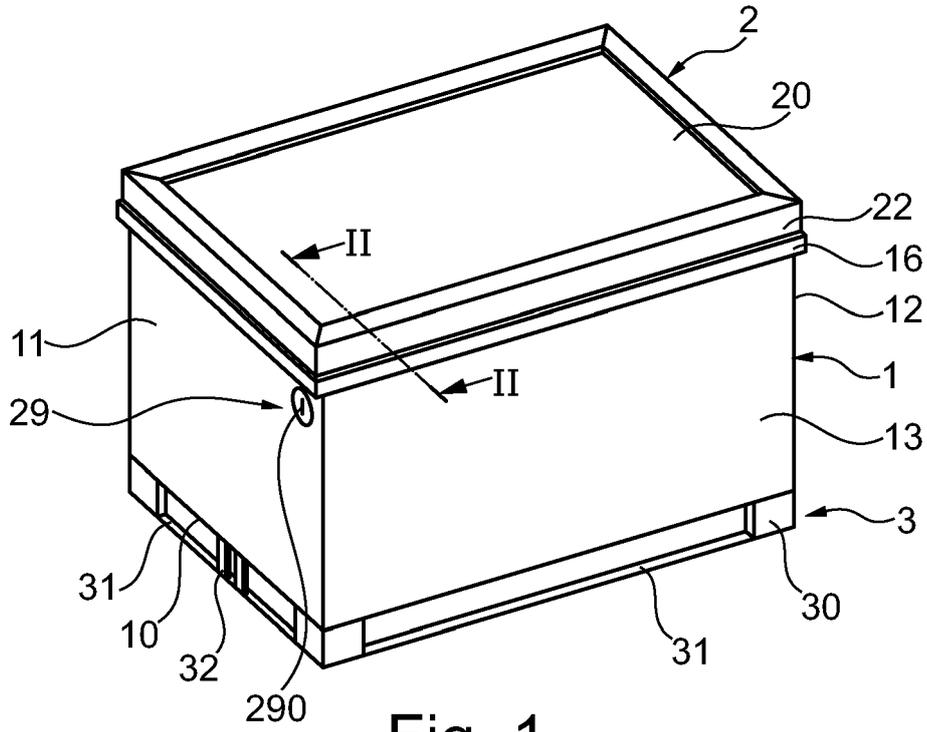


Fig. 1

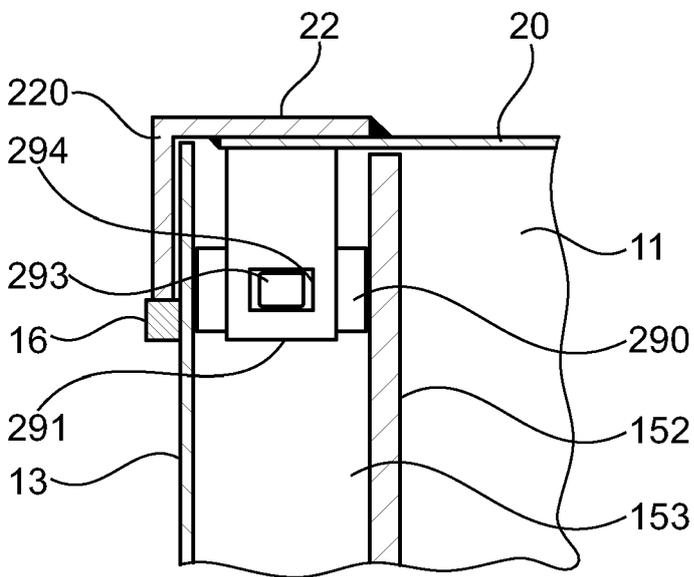


Fig. 2

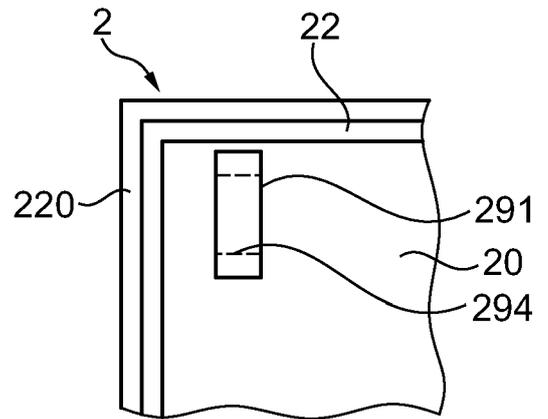


Fig. 3

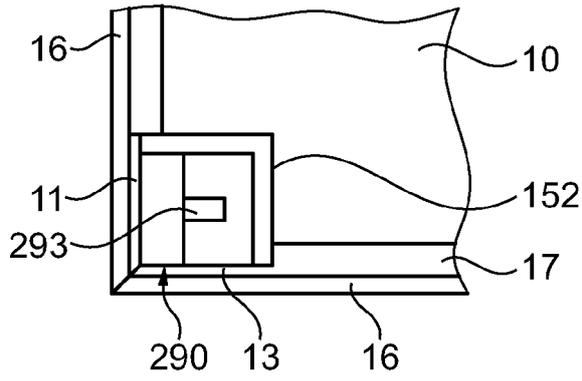


Fig. 4

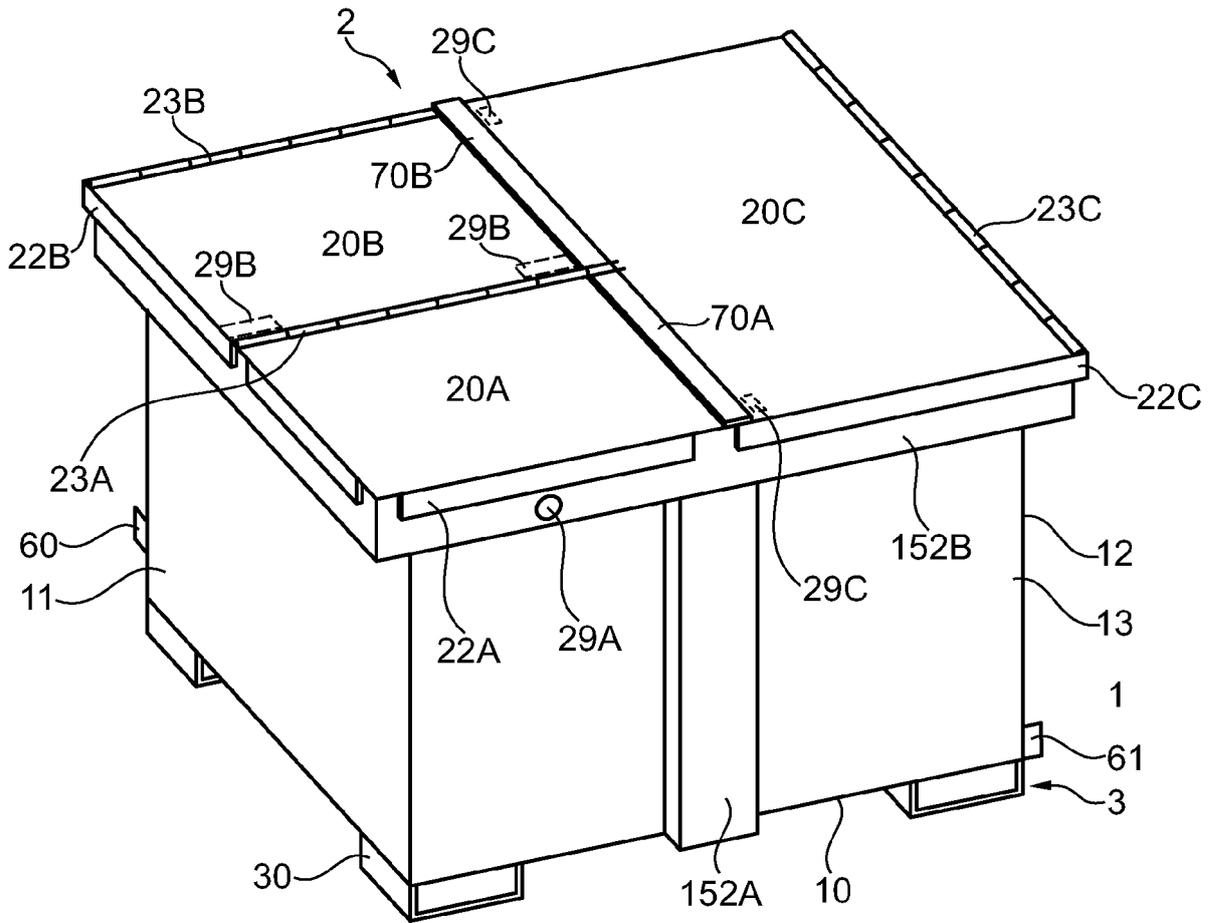


Fig. 5

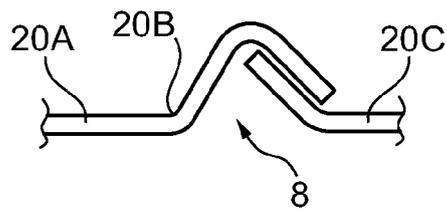


Fig. 6



EUROPEAN SEARCH REPORT

Application Number

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X	<p>US 2010/181320 A1 (LAURIN MICHEL [CA]) 22 July 2010 (2010-07-22)</p> <p>* paragraph [0018] - paragraph [0021]; figures 1-5 *</p> <p>-----</p>	1-15	
X	<p>DE 92 05 116 U1 (BRUEGGEMANN &amp; WEISS GMBH) 27 May 1992 (1992-05-27)</p> <p>* page 2, paragraph 5 *</p> <p>* page 3, paragraph 10 - page 4, paragraph 1 *</p> <p>* figures 1-8 *</p> <p>-----</p>	1-15	
X	<p>WO 2005/100211 A1 (AMERICAN CONTAINER AND RECYCLI [US]; LORENZ JOHN D ARC [US] ET AL.) 27 October 2005 (2005-10-27)</p> <p>* page 7, paragraph 2 - paragraph 4 *</p> <p>* page 9, paragraph 1 - paragraph 4 *</p> <p>* page 11, paragraph 1; figures 1, 9, 14, 15 *</p> <p>-----</p>	1-15	<p>TECHNICAL FIELDS SEARCHED (IPC)</p> <p>B65F</p> <p>B65D</p>
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Place of search		Date of completion of the search	Examiner
The Hague		31 August 2022	Luepke, Erik
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