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(54) **INTERLOCKING MOBILE STORAGE
SYSTEM**

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(71) Applicant: **Walmart Apollo, LLC**, Bentonville,
AR (US)
(72) Inventors: **Tabatha Hunter**, Bentonville, AR
(US); **Cecil Wilson**, Sanford, NC (US);
Nicholas Imsand, Huntersville, NC
(US); **Adam McFarlane**, Rogers, AR
(US); **Jonathan S. Beckwith**, Durham,
NC (US)

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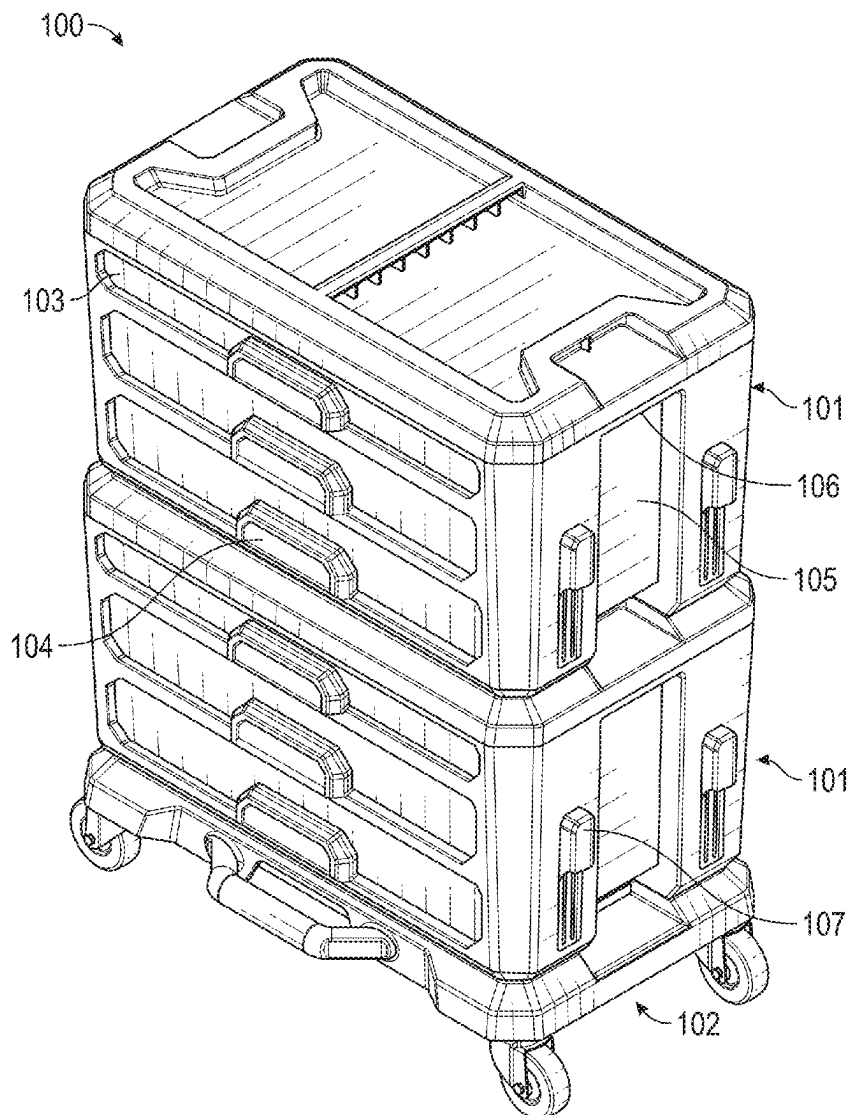
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(57) **ABSTRACT**

An interlocking mobile storage system, comprising a first storage container and a second storage container. The first storage container comprises a latch disposed on a side of the first storage container. The latch comprises a biasing member and a pivot, wherein the latch is pivotable between an engaged position and a disengaged position and the biasing member biases the latch to the engaged position. The second storage container comprises a recess comprising an overhang. The first storage container is disposed on a top of the second storage container and the latch is in the engaged position, is engaged with, and is disposed in the overhang of the recess.



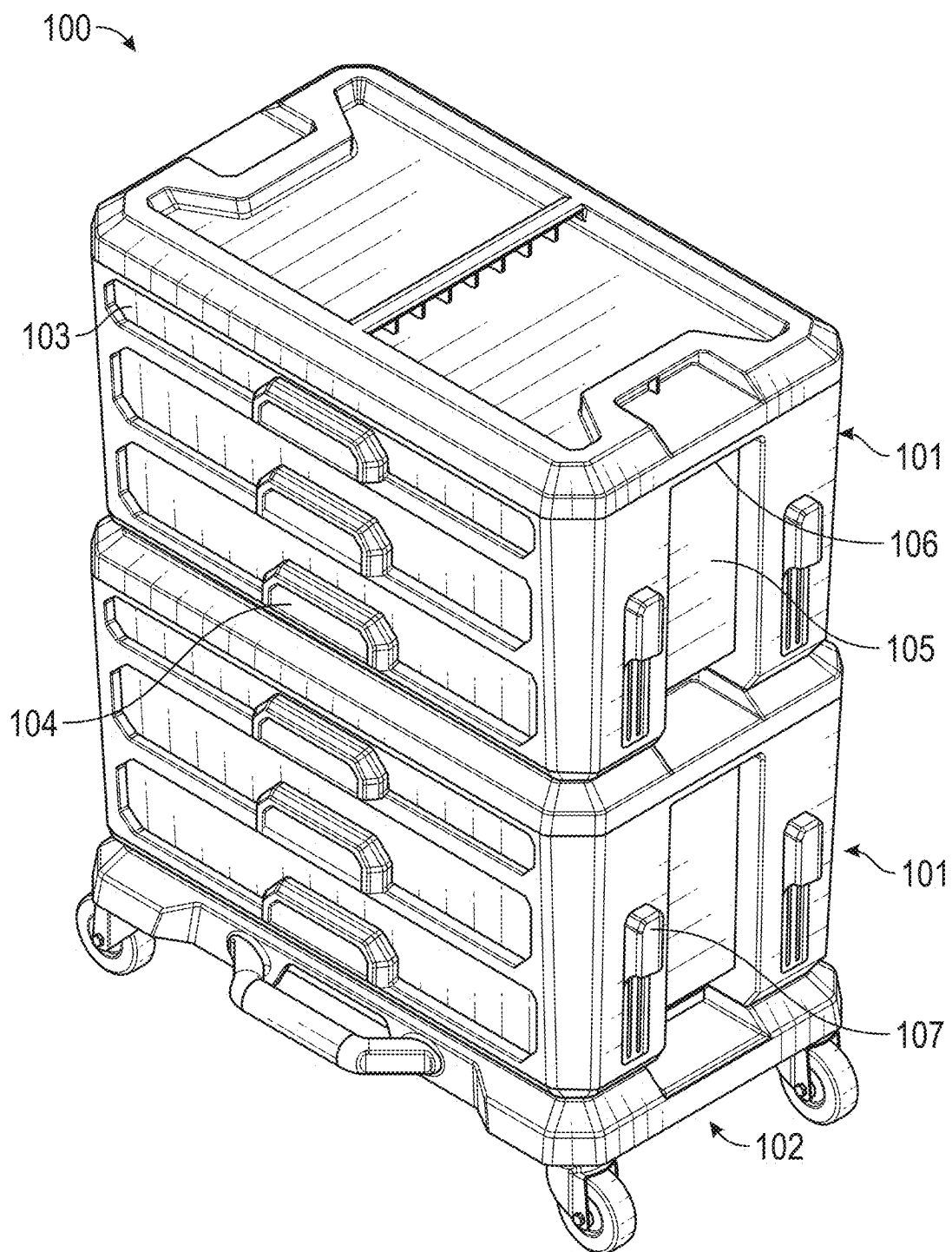


FIG. 1A

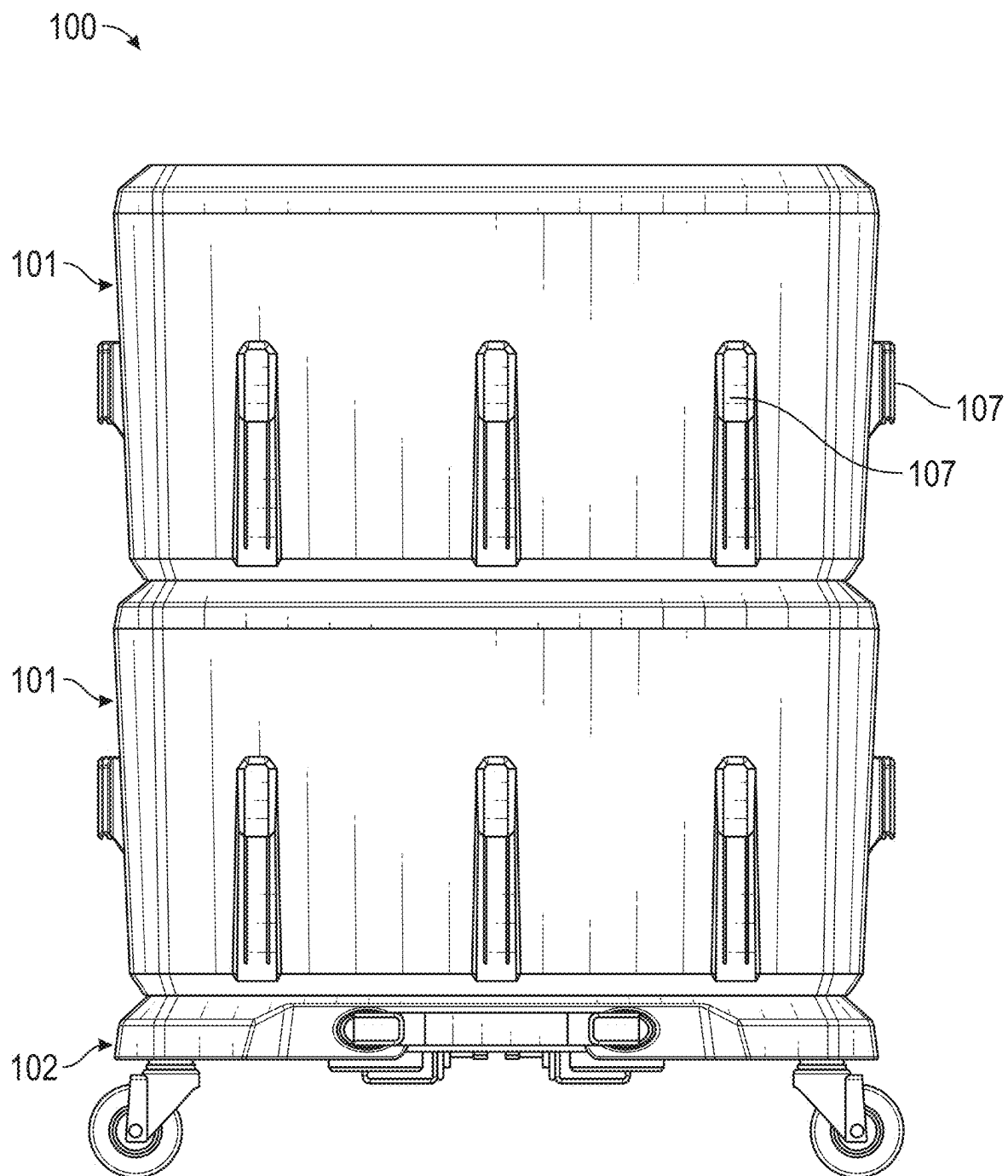
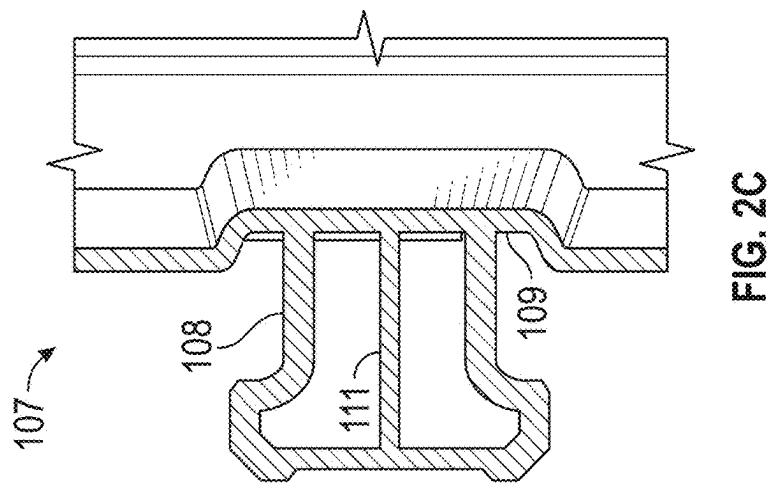
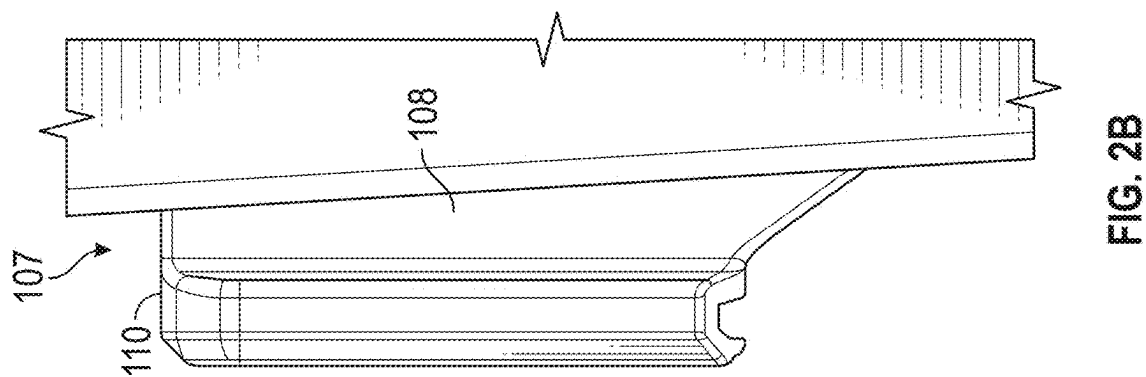
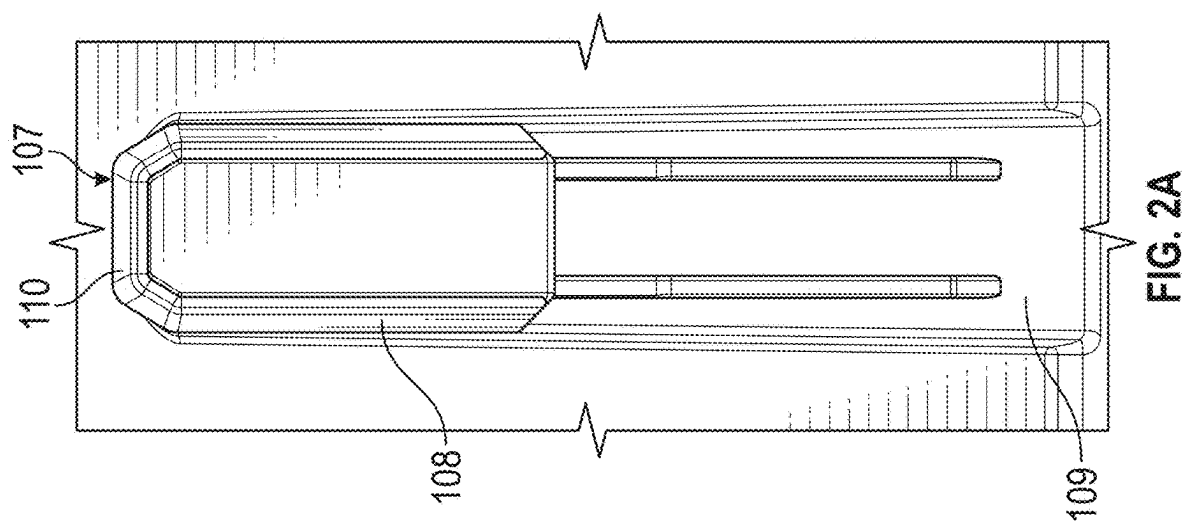


FIG. 1B



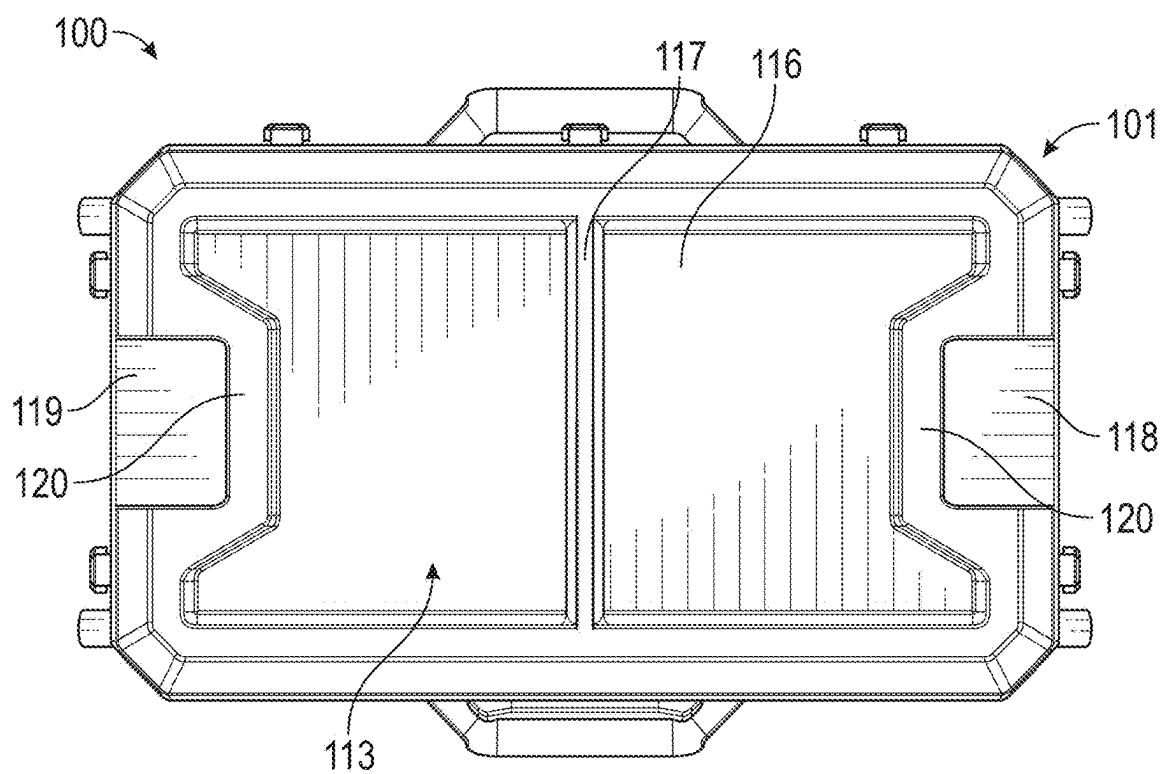


FIG. 3A

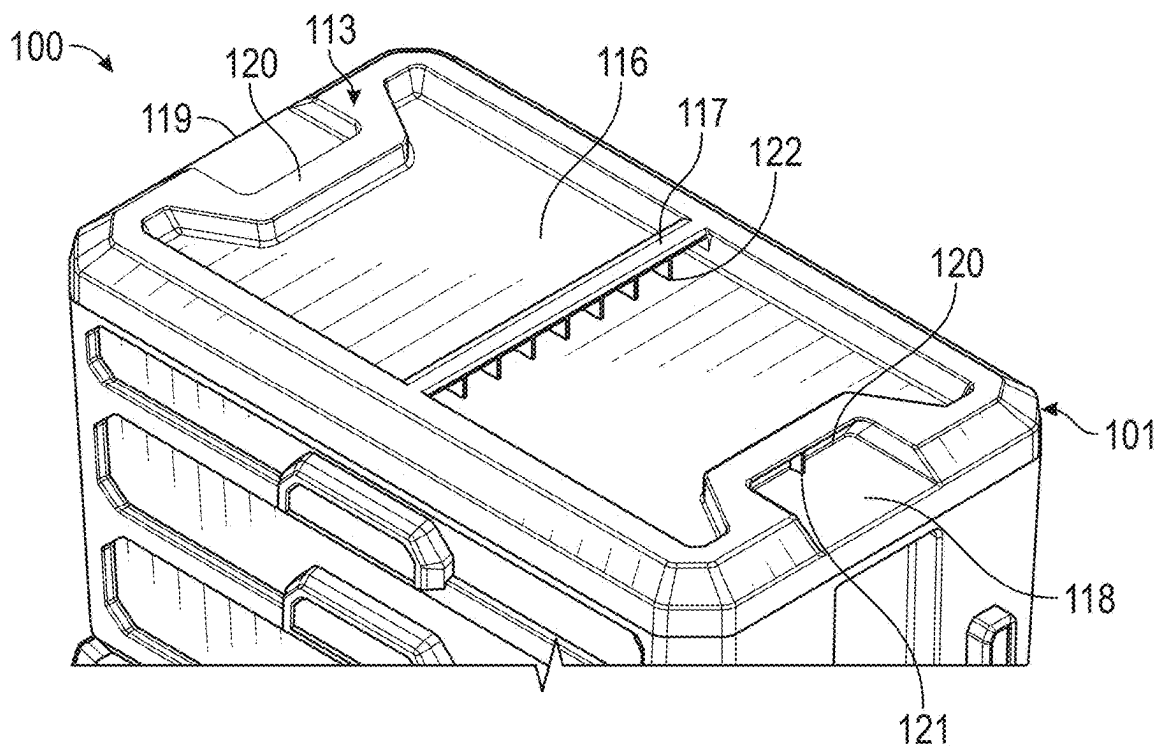


FIG. 3B

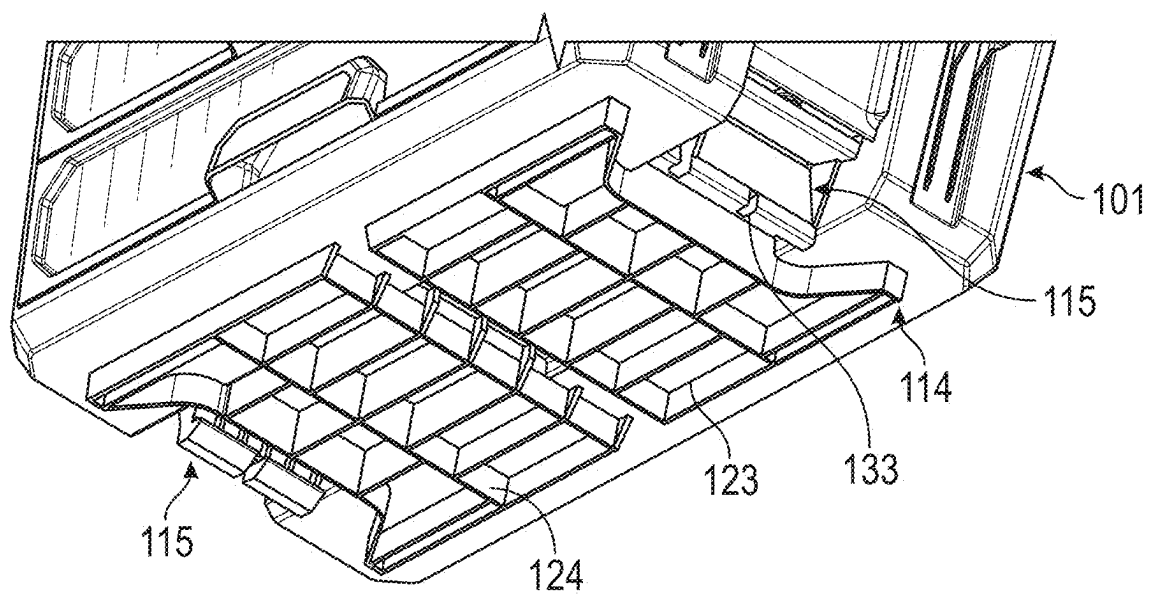


FIG. 3C

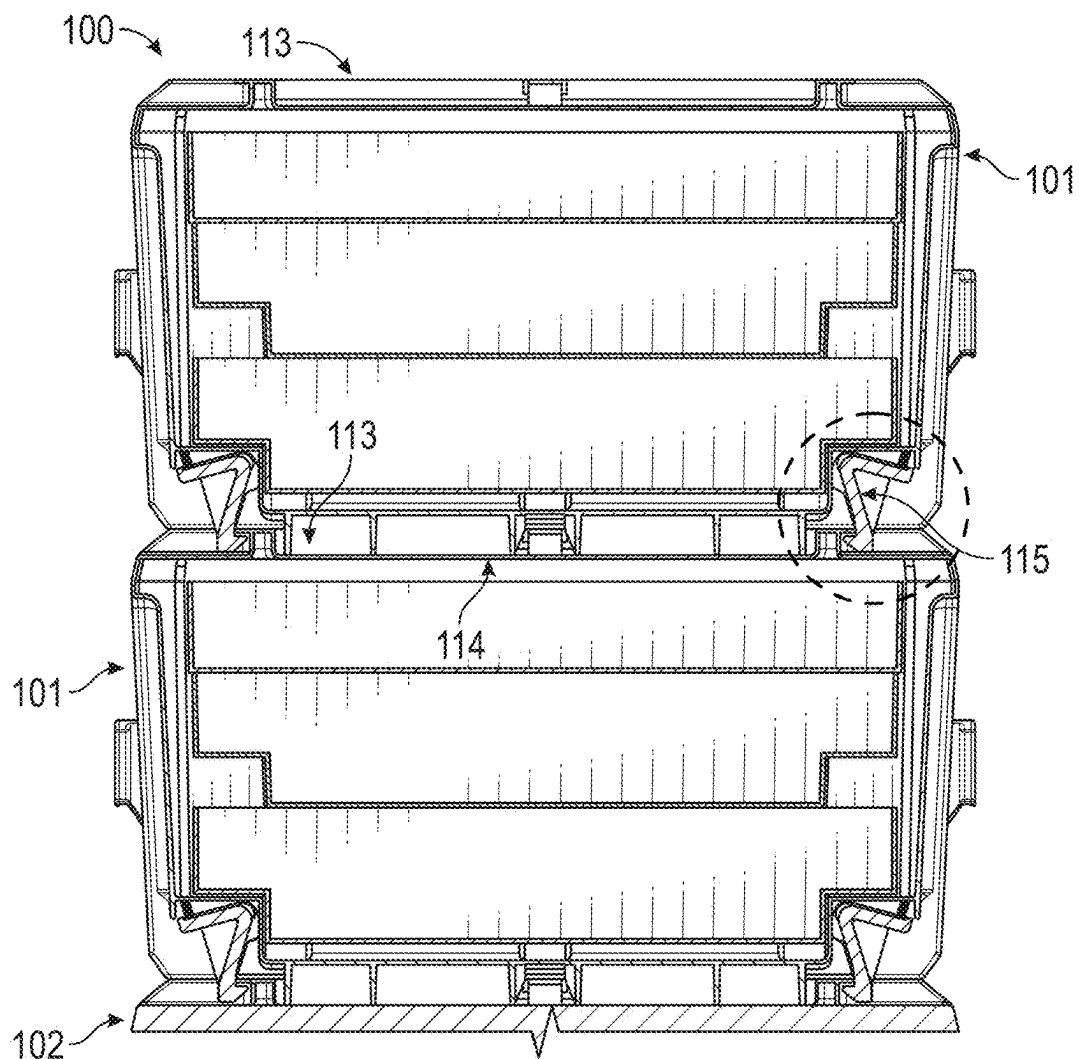


FIG. 4A

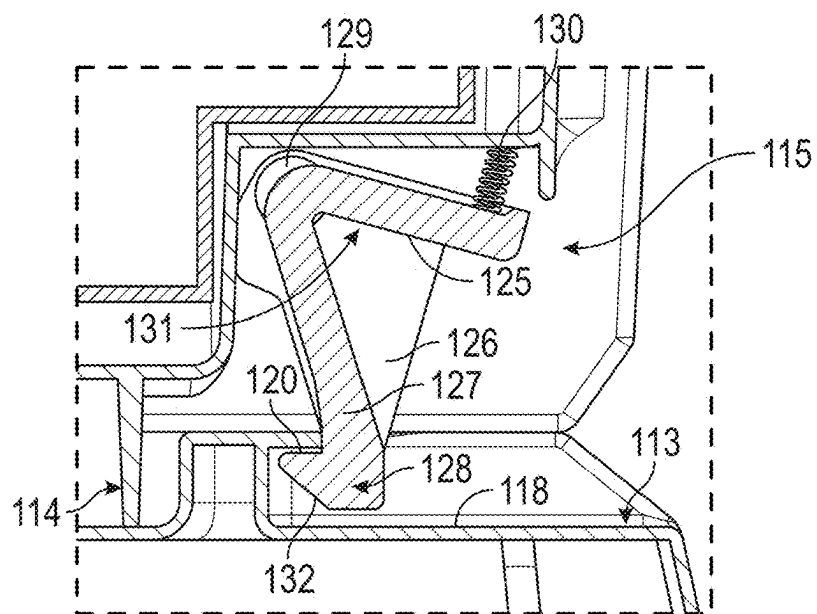


FIG. 4B

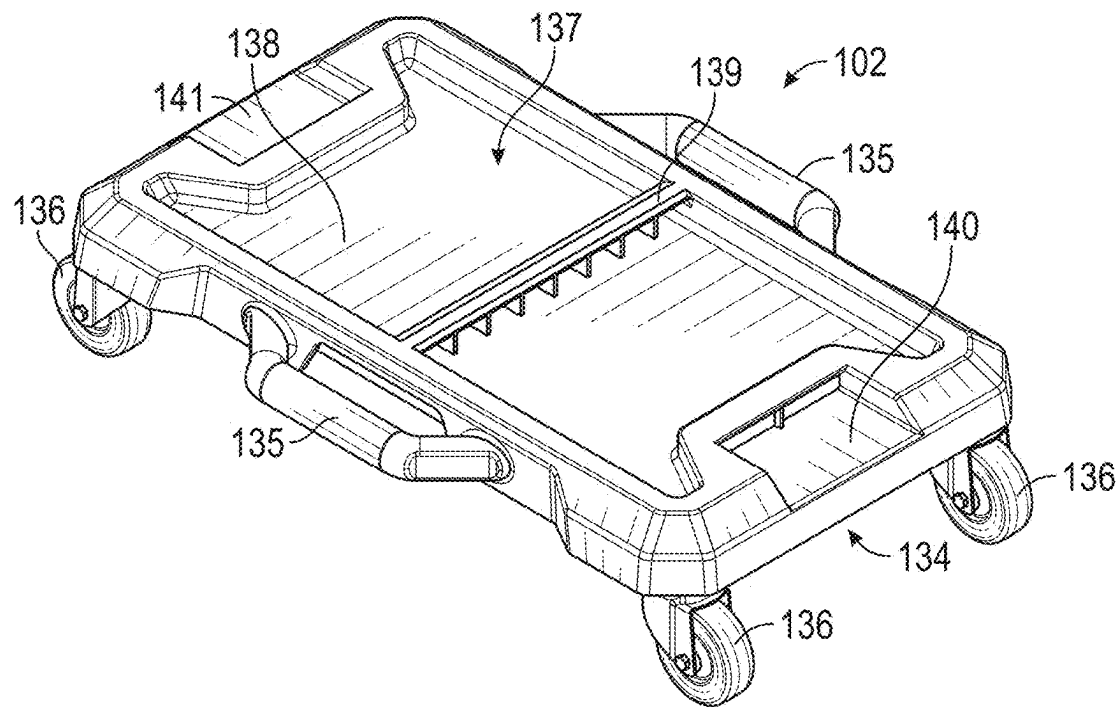


FIG. 5A

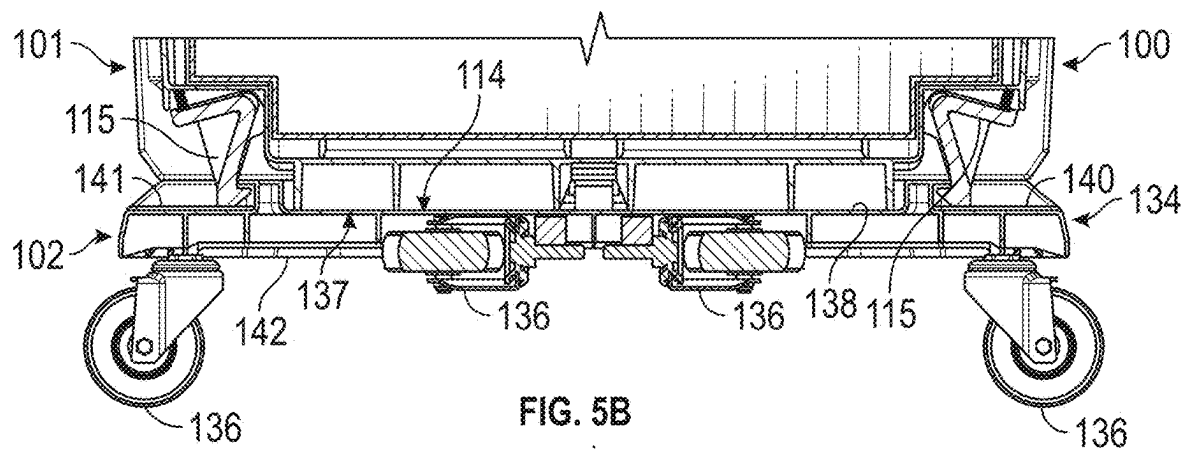


FIG. 5B

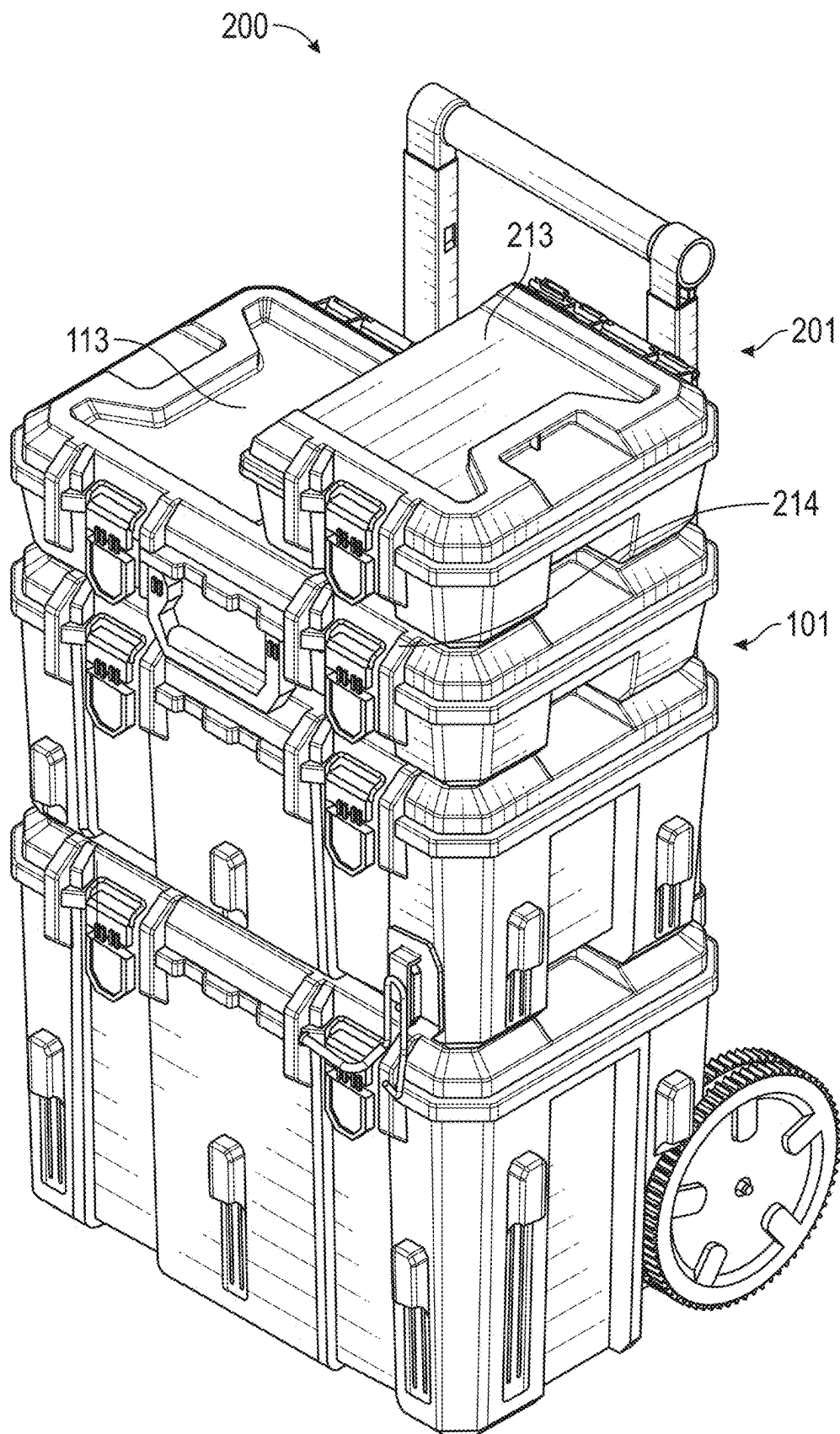


FIG. 6A

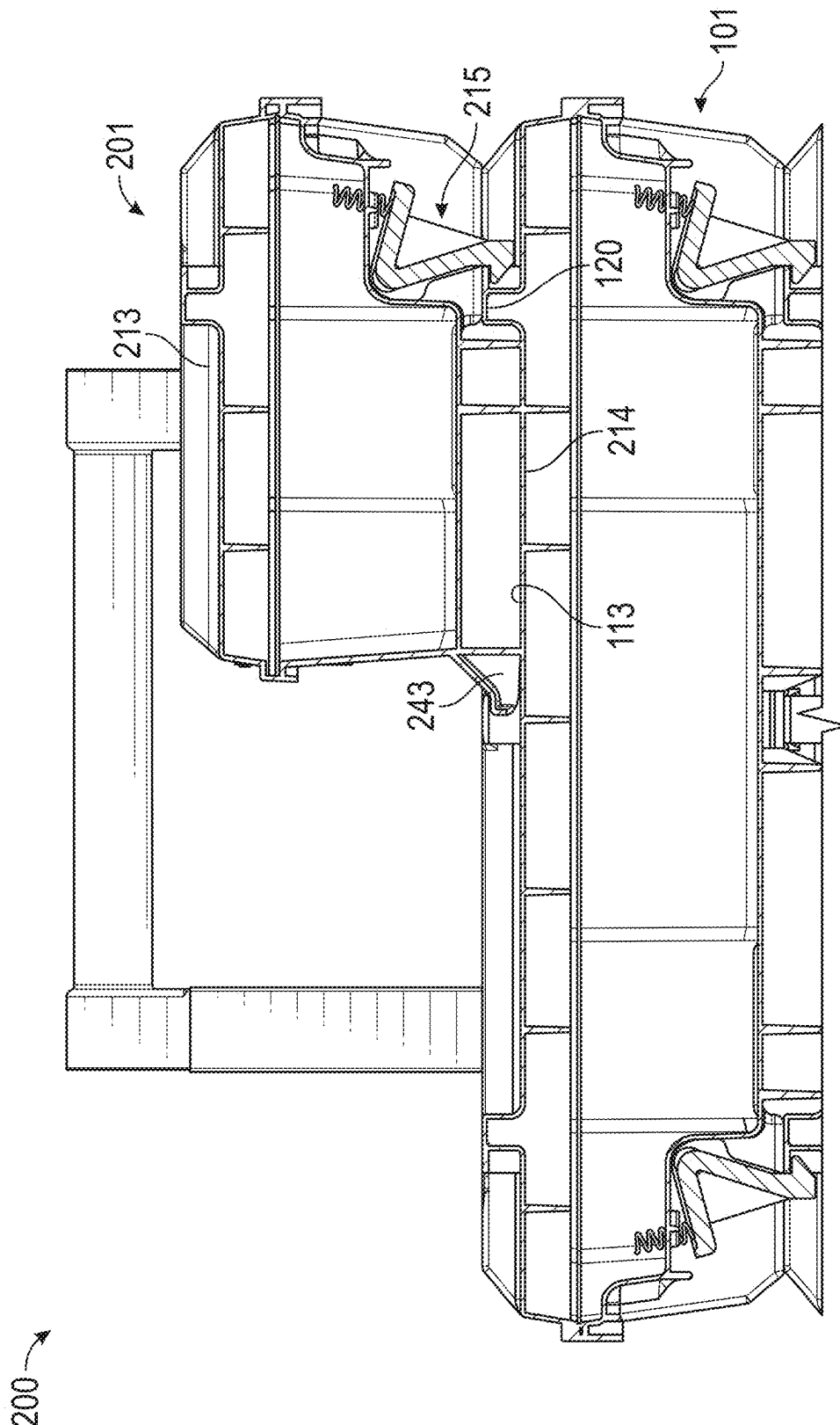


FIG. 6B

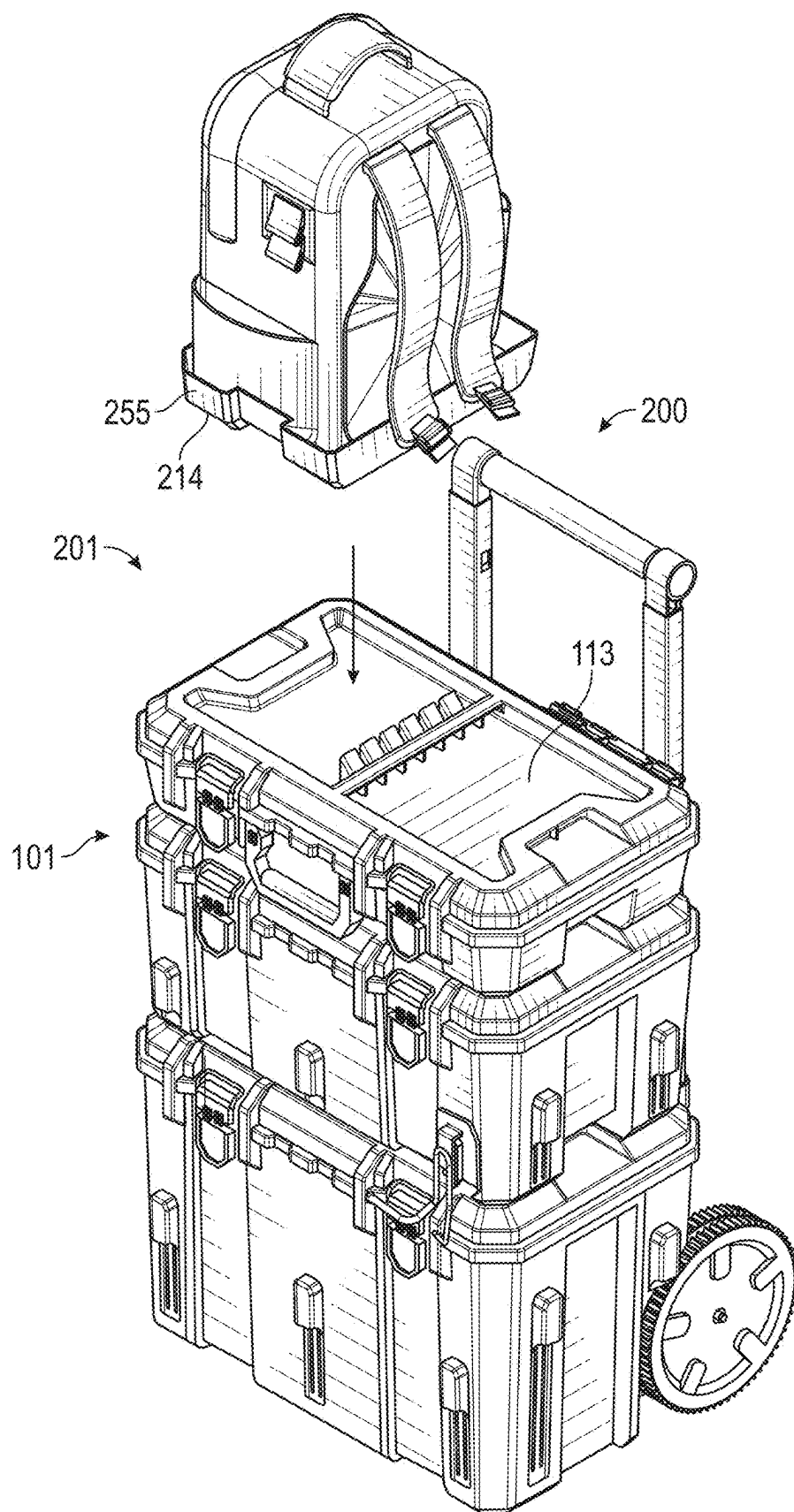


FIG. 6C

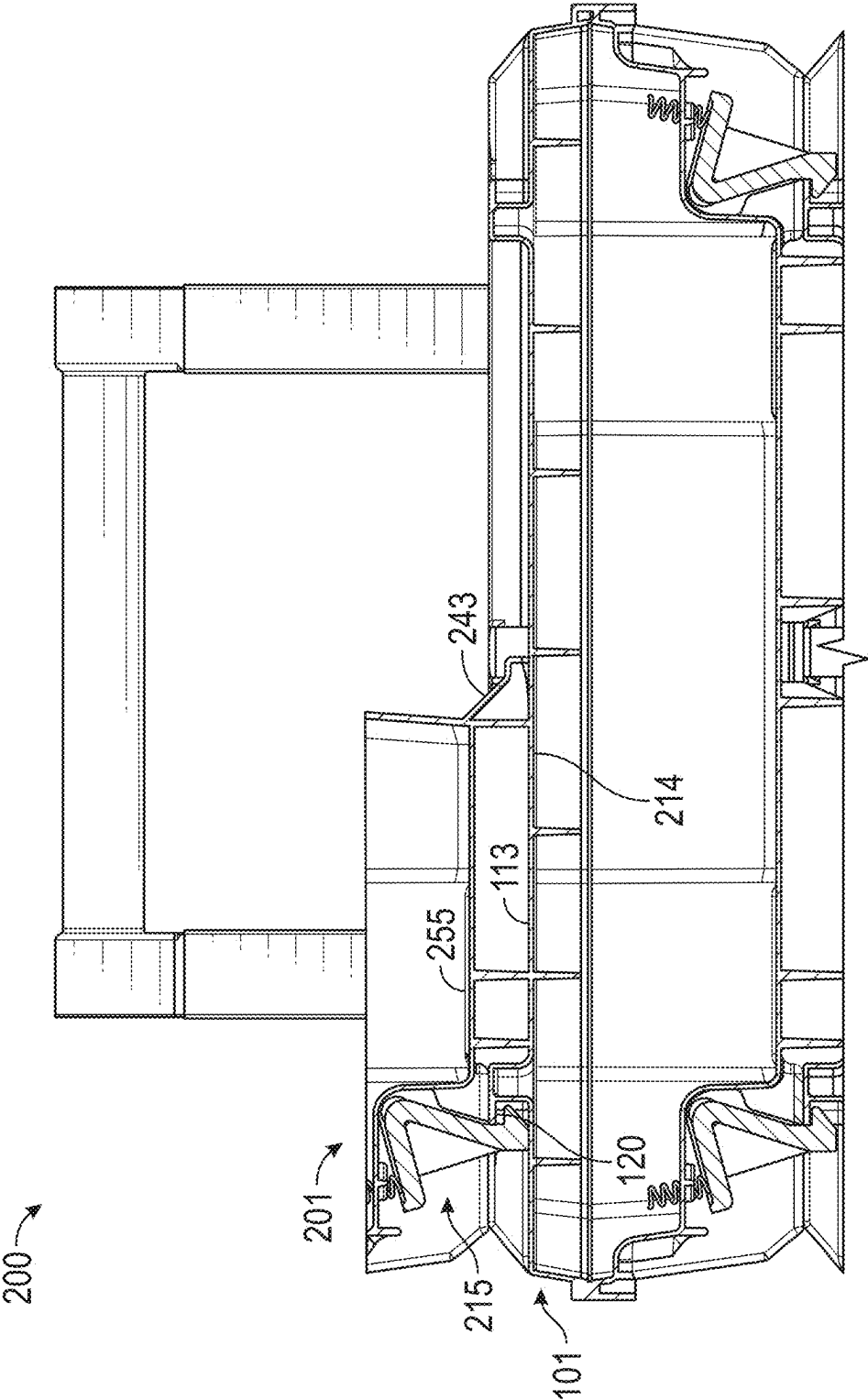


FIG. 6D

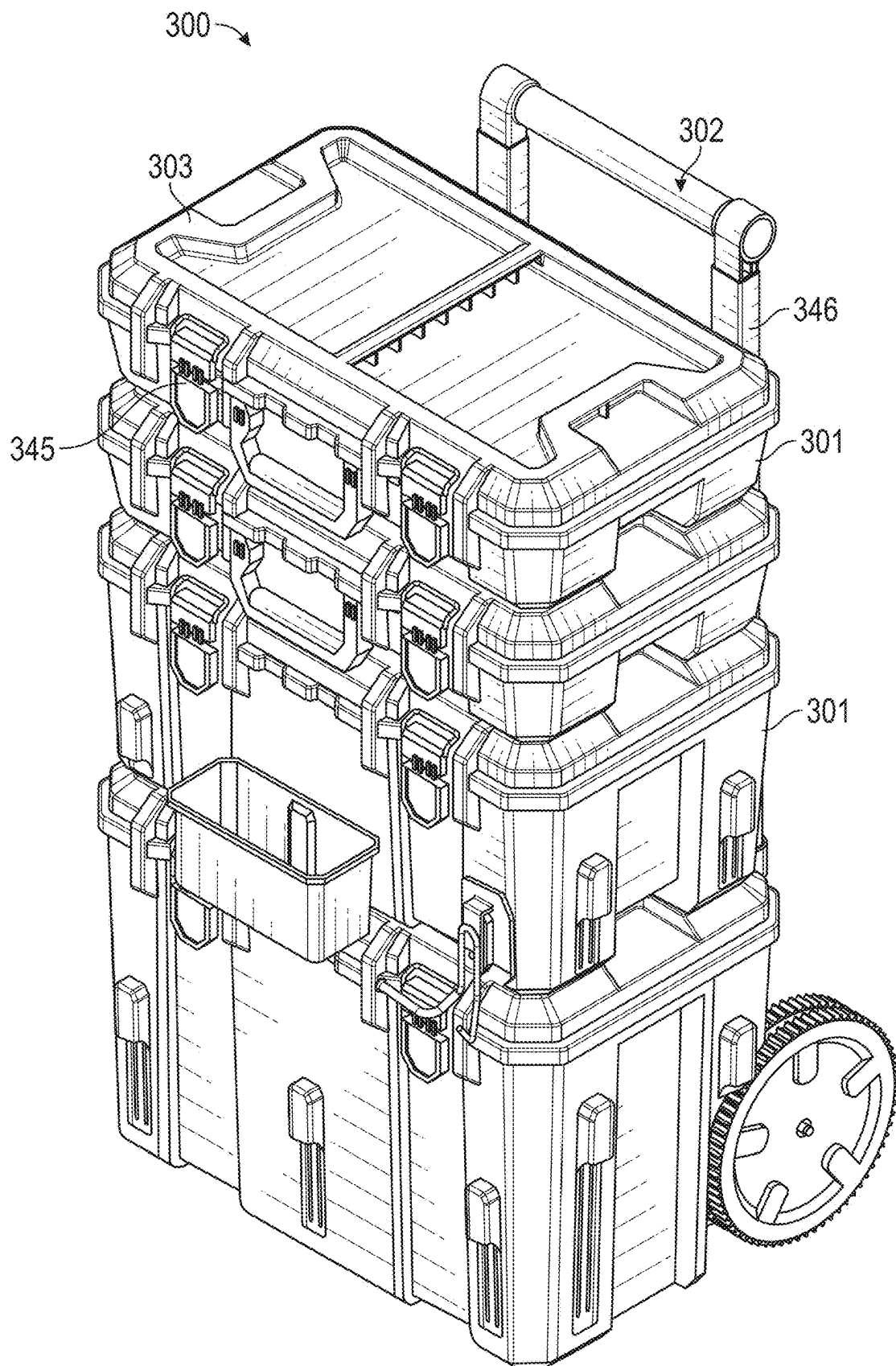


FIG. 7A

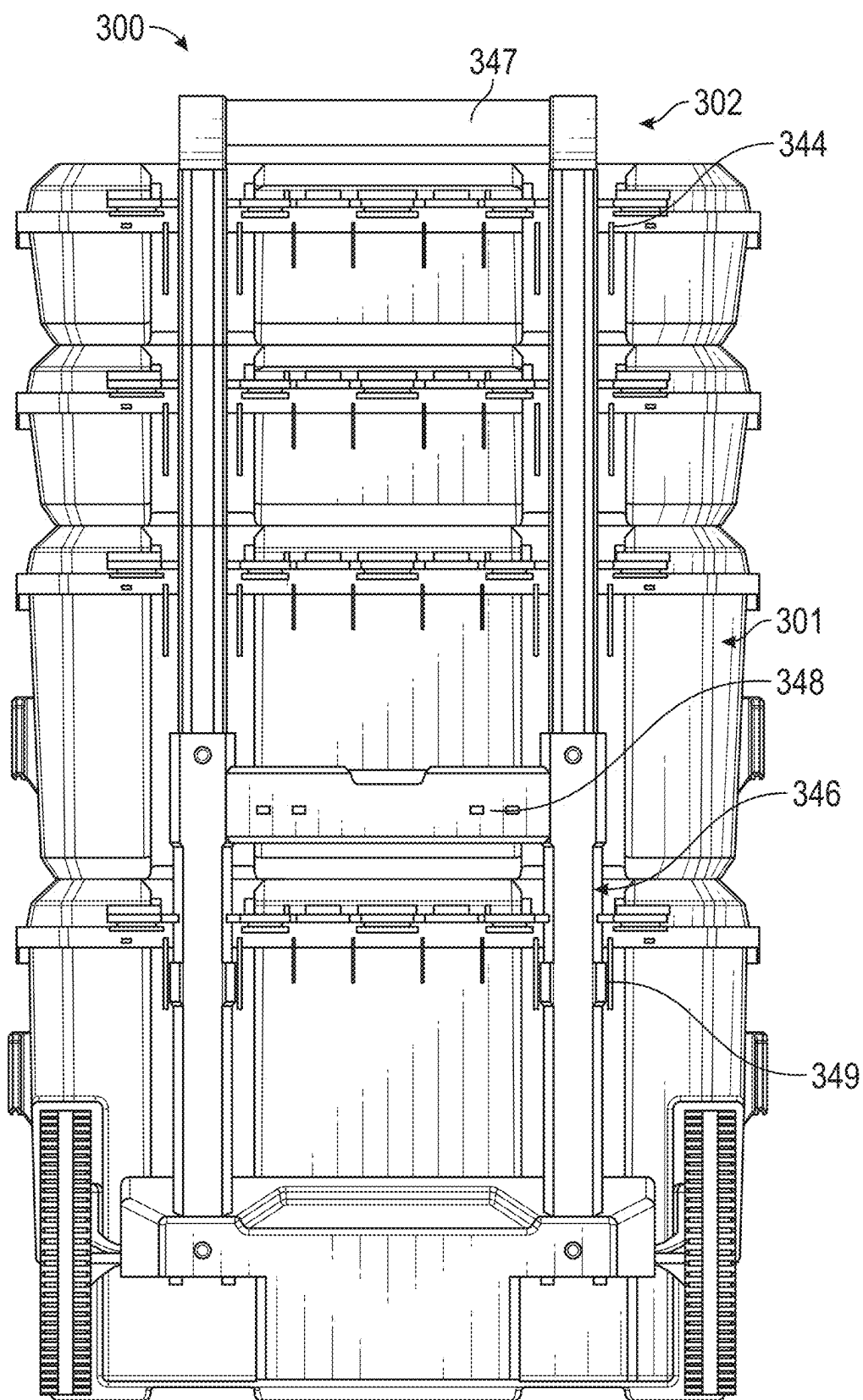


FIG. 7B

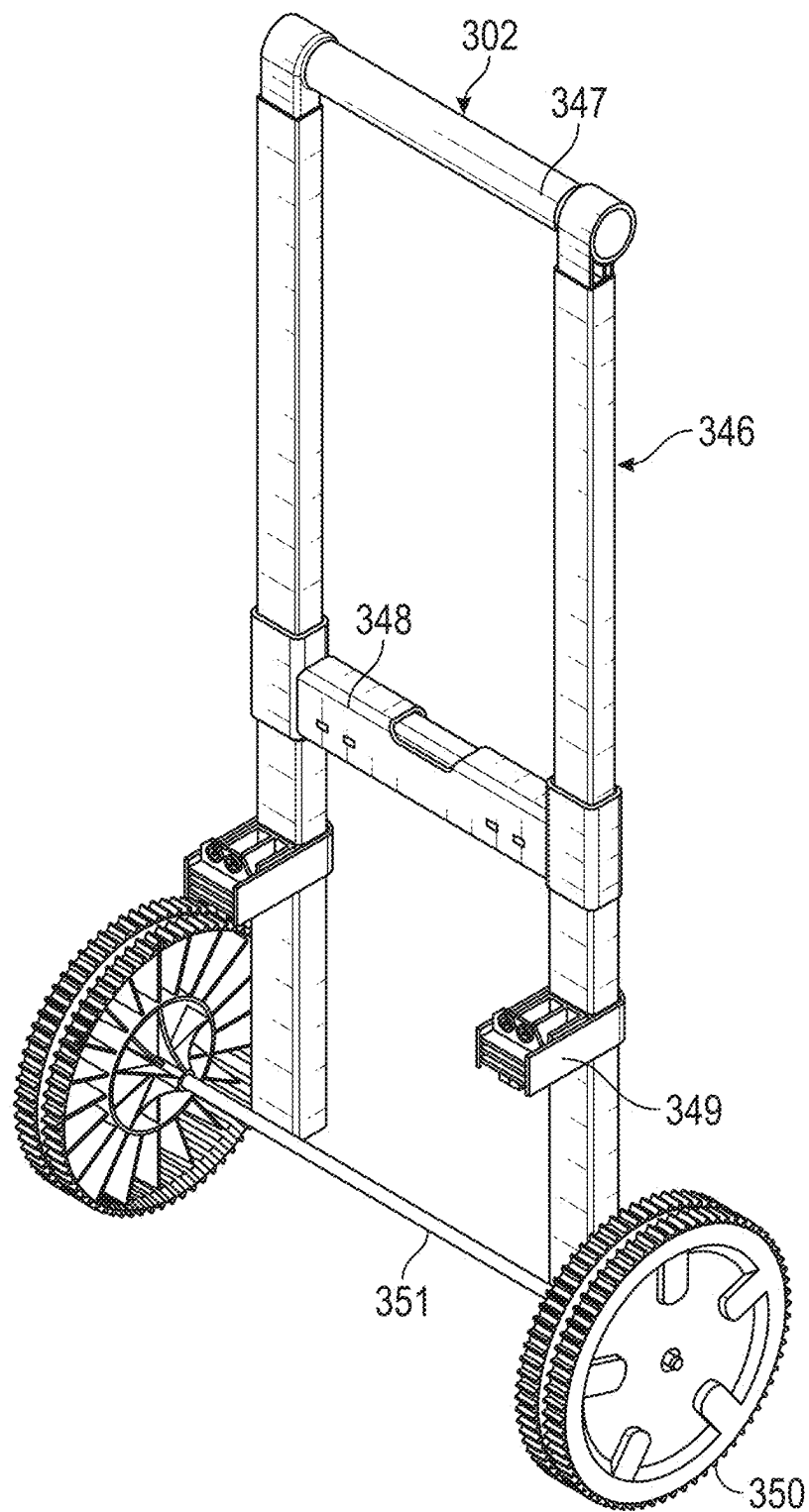


FIG. 7C

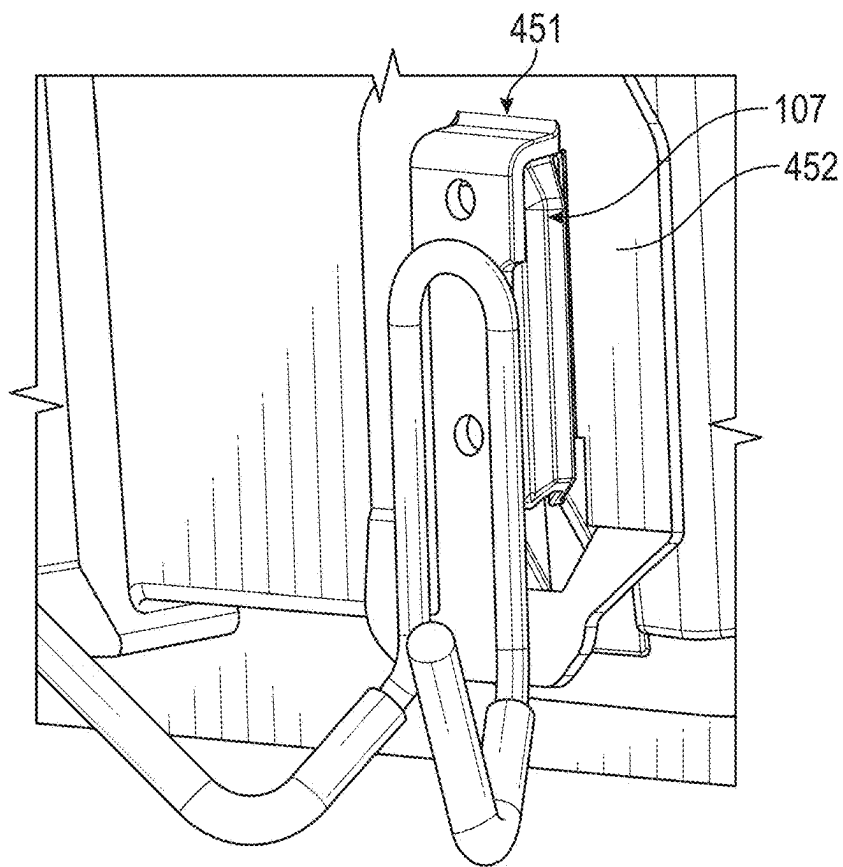


FIG. 8A

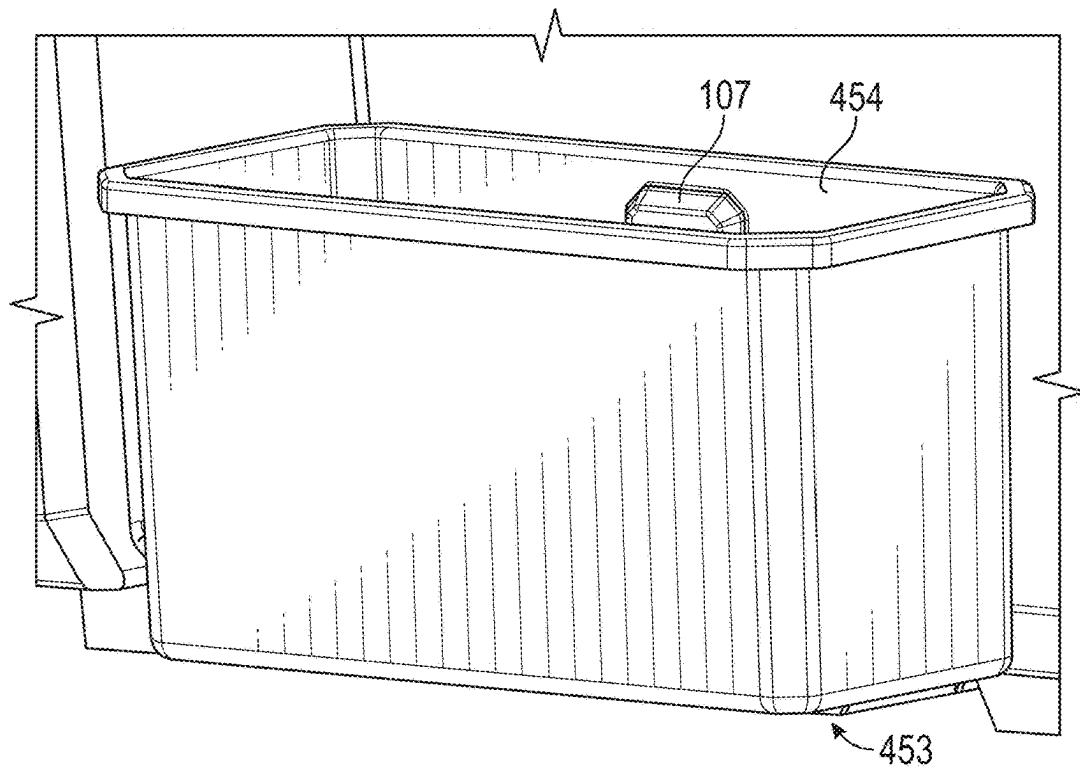


FIG. 8B

INTERLOCKING MOBILE STORAGE SYSTEM

BACKGROUND

Field

[0001] Aspects of the present disclosure generally relate to an interlocking mobile storage system.

Description of the Related Art

[0002] Embodiments herein generally relate to an interlocking mobile storage system, more particularly, embodiments relating to an interlocking mobile storage system having containers comprising attachment components wherein the containers themselves are stackable and interlockable with one another atop a movable cart. Although there are many different types of mobile storage systems, there is a need for an improved interlocking mobile storage system.

SUMMARY

[0003] An interlocking mobile storage system, comprising a first storage container and a second storage container. The first storage container comprises a latch disposed on a side of the first storage container. The latch comprises a biasing member and a pivot, wherein the latch is pivotable between an engaged position and a disengaged position and the biasing member biases the latch to the engaged position. The second storage container comprises a recess comprising an overhang. The first storage container is disposed on a top of the second storage container and the latch is in the engaged position, is engaged with, and is disposed in the overhang of the recess.

[0004] An interlocking storage container, comprising a top and a latch. The top comprising a first recess on a side of the interlocking storage container, wherein the first recess comprises an overhang. The latch is disposed on the side of the interlocking storage container and the latch is pivotable between an engaged position and a disengaged position. The latch comprises a grip, a locking tab, and a biasing member. The locking tab is moved towards a centerline of the interlocking storage container in the engaged position and is moved away from the centerline in the disengaged position. The biasing member is disposed between the grip and the interlocking storage container, wherein the biasing member biases the latch towards the engaged position.

[0005] A method for interlocking storage containers, comprising: disposing a first storage container on a top of a second storage container, wherein the first storage container comprises a latch on a side of the storage container, the latch comprising a biasing member, wherein the latch is pivotable between an engaged position and a disengaged position and the biasing member biases the latch to the engaged position; and configuring the latch in the engaged position, wherein the latch is engaged with and is disposed within an overhang of the second storage container.

[0006] An interlocking mobile storage system, comprising a first storage container and a cart. The first storage container comprises a latch disposed on a side of the first storage container. The latch comprises a biasing member and a pivot, wherein the latch is pivotable between an engaged position and a disengaged position and the biasing member biases the latch to the engaged position. The cart comprises

a recess comprising an overhang. The first storage container is disposed on a top of the cart and the latch is in the engaged position, is engaged with, and is disposed in the overhang of the recess.

BRIEF DESCRIPTION OF THE DRAWINGS

[0007] So that the manner in which the above recited features of the present disclosure can be understood in detail, a more particular description of the disclosure, briefly summarized above, may be had by reference to embodiments, some of which are illustrated in the appended drawings. It is to be noted, however, that the appended drawings illustrate only exemplary embodiments and are therefore not to be considered limiting of its scope, may admit to other equally effective embodiments.

[0008] FIG. 1A is a top perspective view of an interlocking mobile storage system, according to an exemplary embodiment of the present disclosure;

[0009] FIG. 1B is a rear view of the interlocking mobile storage system of FIG. 1A;

[0010] FIG. 2A is a front detail view of an attachment point of the interlocking mobile storage system of FIG. 1A;

[0011] FIG. 2B is a side detail view of the attachment point of FIG. 2A;

[0012] FIG. 2C is a cross-sectional view of the attachment point of FIG. 2A;

[0013] FIG. 3A is a top view of storage container of the interlocking mobile storage system of FIG. 1A;

[0014] FIG. 3B is a top perspective view of the top of the storage container of the interlocking mobile storage system of FIG. 1A;

[0015] FIG. 3C is a bottom perspective view of the bottom of the storage container of the interlocking mobile storage system of FIG. 1A;

[0016] FIG. 4A is a cross-sectional view of the interlocking mobile storage system of FIG. 1A;

[0017] FIG. 4B is a detail view of the cross-section view of the interlocking mobile storage system as indicated in FIG. 4A;

[0018] FIG. 5A is a top perspective view of a cart of the interlocking mobile storage system of FIG. 1A;

[0019] FIG. 5B is a cross-sectional view of the interlocking mobile storage system of FIG. 1A;

[0020] FIG. 6A is a top perspective view of an interlocking mobile storage system, according to another embodiment;

[0021] FIG. 6B is a cross-sectional view of a storage container of the interlocking mobile storage system of FIG. 6A;

[0022] FIG. 6C is a top perspective view of an interlocking mobile storage system, according to another embodiment;

[0023] FIG. 6D is a cross-sectional view of a storage container of the interlocking mobile storage system of FIG. 6C;

[0024] FIG. 7A is a top perspective view of an interlocking mobile storage system, according to another embodiment;

[0025] FIG. 7B is a front view of the interlocking mobile storage system of FIG. 7A;

[0026] FIG. 7C is a top perspective view of a cart of the interlocking mobile storage system of FIG. 7A;

[0027] FIG. 8A is a top perspective view of an accessory attached to an attachment point of the interlocking mobile storage system of FIG. 1A; and

[0028] FIG. 8B is a top perspective view of another accessory attached to an attachment point of the interlocking mobile storage system of FIG. 1A.

[0029] To facilitate understanding, identical reference numerals have been used, where possible, to designate identical elements that are common to the figures. It is contemplated that elements disclosed in one embodiment may be beneficially utilized on other embodiments without specific recitation.

DETAILED DESCRIPTION

[0030] The disclosure contemplates that terms such as “couples,” “coupling,” “couple,” and “coupled” may include but are not limited to welding, interference fitting, and/or fastening such as by using bolts, threaded connections, pins, clips, and/or screws. The disclosure contemplates that terms such as “couples,” “coupling,” “couple,” and “coupled” may include but are not limited to integrally forming. The disclosure contemplates that terms such as “couples,” “coupling,” “couple,” and “coupled” may include but are not limited to direct coupling and/or indirect coupling, such as indirect coupling through components such as links.

[0031] FIGS. 1-5 illustrate an interlocking mobile storage system 100, according to one embodiment.

[0032] FIGS. 1A-1B illustrate a top perspective and rear view of the interlocking mobile storage system 100 respectively.

[0033] The interlocking mobile storage system 100 comprises at least one storage container 101 and a cart 102. The storage containers 101 and cart 102 are removable from the interlocking mobile storage system 100 such that they may operate as separate components or be part of the whole system 100.

[0034] When assembled into the interlocking mobile storage system 100, the storage containers 101 are stacked atop and interlocked with the cart 102. In embodiments containing multiple storage containers 101, the storage containers 101 are stacked atop one another and are configured to interlock with one another. Thus, the system 100 comprises one or more storage containers 101 stacked atop and interlocked with each other and stacked atop and interlocked with the cart 102. This permits the storage containers 101 and the cart 102 to be movable as a single unit. The interlocking features will be described further below.

[0035] In one or more embodiments, the storage containers 101 are rectangular prisms, have consistent lengths and widths, and have chamfered edges and corners. In one or more embodiments, the storage containers 101 comprise drawers 103. The drawers 103 are configured to slide in and out of the storage containers 101 for easy access to contents stored inside the storage containers 101. The drawers 103 may further comprise ergonomically designed handles 104 that allow a user to pull on the drawers 103 to slide them out of the storage container 101 to access the contents inside of the storage container 101. The storage containers 101 may also comprise cut outs 105 and handles 106 on the sides of the storage container 101 to aid a user in lifting and carrying the storage container 101 outside of the system 100, or assembling the storage container 101 into the system 100.

[0036] FIGS. 2A-2C illustrate front, side, and cross-sectional views of an attachment point 107 of the storage containers 101, according to one or more embodiments.

[0037] The storage containers 101 further comprise attachment points 107. In the presently illustrated embodi-

ment, the attachment points 107 are disposed on the sides and rear of the storage containers 101 (As indicated in FIGS. 1A-1B). However, it should be understood that the present disclosure includes embodiments containing any number of attachment points 107 disposed anywhere on system 100 so long as they do not interfere with other operations of the system 100. The attachment points 107 comprise an extrusion 108 from the storage container 101 and an indentation 109 in the storage container 101. The extrusion 108 from the indentation 109 in the storage container 101 has a T-shaped cross section. In other words, the extrusion 108 has two shoulders that protrude from it. The extrusion 108 is hollow but comprises a top 110 with chamfered corners and may include an internal brace 111 for rigidity. See the description below of FIGS. 8A-BB for detail regarding the operation of the attachment points 107, and exemplary accessories utilizing the attachment points 107.

[0038] FIGS. 3A-3C are top, top perspective, and bottom perspective views of one storage container 101 of the interlocking mobile storage system 100, according to one embodiment.

[0039] As stated previously, the storage containers 101 are interlockable with one another and with a cart (such as cart 102 of FIG. 1A). The storage containers 101 are interlockable by interlocking features 112. The interlocking features 112 comprise the top of the storage container 113, the bottom of the storage container 114, and the one or more latches 115.

[0040] The top of the storage container 113 comprises a first recess 116, a central rail 117, a second recess 118, and a third recess 119. The first recess 116 spans most of the surface area of the top of the storage container 113.

[0041] The first recess 116 is generally rectangular in shape, but its sides each comprise an inwardly protruding trapezoidal shape where the second and third recesses 118, 119 are located. Further, all of the edges and corners of the first recess 116 are rounded or chamfered.

[0042] The second recess 118 and third recess 119 are mirror images of each other and are disposed on each side of the top of the storage container 113. The second recess 118 and third recess 119 are generally rectangular in shape and extend completely to the sides of the top of the storage container 113. The inner side of the second 118 and third 119 recesses comprise an overhang 120. The overhang 120 may also comprise a support 121. In the illustrated embodiment, there are only two recesses 118, 119 on the sides of the storage container 101. However, it should be understood that there may be two or more recesses 118, 119.

[0043] The central rail 117 spans the width of the top recess 116 and is located at the center of the top of the storage container 113. The central rail 117 extends from the first recess 116 and is the same height as the non-recessed portion of the top of the storage container 113. The central rail 117 comprises supports 122 coupling the central rail 117 to the first recess 116. In between the supports 122 are gaps. Therefore, the central rail 117 comprises overhung portions and supported portions.

[0044] The bottom of the storage container 114 is shaped complementary to the top of the storage container 113 allowing for one storage container 101 to stack atop another storage container 101. The bottom of the storage container 114 comprises a first extrusion 123 and a second extrusion 124 which mirror each other about the center of the bottom of the storage container 114. Each of the first extrusion 123

and second extrusion 124 fit within the first recess 116 on either side of the central rail 116 of a bottom storage container 101. In the presently illustrated embodiment, the first extrusion 123 and second extrusion 124 are not complete extrusions and are made of a grid pattern to reduce weight of the storage containers 101.

[0045] Also on the bottom of the storage container 114 are latches 115. In the presently illustrated embodiment, there is a first latch 115 on one side of the storage container 101 and a second latch 115 on the other side of the storage container 101. The latches 115 are recessed into the sides of the storage container 101 so that they do not extend beyond the sides of the storage container 101 and so that they do not extend below the extrusions 123, 124 which would prevent the storage container 101 from being set down on a flat surface. The interlocking features 112 and their operation are further discussed below.

[0046] FIGS. 4A-4B illustrate cross-sectional views of the interlocking mobile storage system 100.

[0047] In operation, the storage containers 101 are stacked atop one another and interlocked with each other by the interlocking features 112. The bottom of one storage container 114 fits into the top of another storage container 113. As stated previously, the first recess 116 of the top of the storage container 113 is shaped complementary to the extrusions 123, 124 on the bottom of the storage container 114. The central rail 117 is also complementary to the gap between the extrusions 123, 124.

[0048] The storage containers 101 are interlocked by the latches 115. The latches 115 of a top storage container 101 interlock with the overhangs 120 of a bottom storage container 101.

[0049] The latches 115 comprise a grip 125, side panels 126, supports 127, a locking tab 128, a pivot 129, and a biasing member 130. Only one latch 115 is shown in FIG. 4B for simplicity. The other latch 115 on the other side of the storage container 101 is a mirror image of the illustrated latch 115. It should be noted that these latches 115 may be operated and manipulated independently of one another.

[0050] The latch 115 is coupled to the storage container 101 by the pivot 129 coupling the side panels 126 to the storage container 101. The pivot 129 permits the latch 115 to move from the disengaged position (not pictured) to the engaged position (illustrated in FIG. 4B). The latch 115 is pivoted about the pivot 129 by applying an upward force to the grip 125. When force is applied to the grip 125 the latch 115 pivots from the engaged position to the disengaged position along arrow 131. The biasing member 130, in the present case a spring, is coupled to the top of the grip 125 and the storage container 101 and biases the latch 115 into the engaged position. Thus, when forces are not applied to the grip 125, the latch 115 remains in the engaged position.

[0051] The latch 115 further comprises the locking tab 128. The locking tab 128 is disposed on the opposite end of the latch 115 from the grip 125 and is attached to the grip 125 by supports 127. When the latch 115 is pivoted into the engaged position, the locking tab 128 moves inward towards the center of the storage container 101. When the latch 115 is pivoted into the disengaged position, the locking tab 128 moves outwardly away from the center of the storage container 101.

[0052] When a storage container 101 is assembled atop another storage container 101, the locking tabs 128 of the storage container 101 are aligned with the overhangs 120 of

a storage container 101 below. As such, the overhang 120 of the storage container 101 below is configured to receive the locking tab 128. When the latch 115 of the top storage container 101 is in the engaged position atop the below storage container 101, the locking tab 128 of the top storage container 101 contacts and exerts an inward force to secure itself on the underside of the overhang 120 of the bottom storage container 101.

[0053] The locking tab 128 further comprises a chamfered end 132. The chamfered end 132 is angled in such a way that the locking tab 128 may be guided into engagement with the overhang 120. Thus, the locking tab 128 does not need to be in the disengaged position in order to slide into engagement under the overhang 120. If the locking tab 128 is in the engaged position and is set down atop the overhang 120, the weight of the storage container 101 and the chamfered end 132 will cause the locking tab 128 to be guided around and under the overhang 120 and into engagement. In one or more embodiments, the locking tab 128 may also comprise a cut-out 133 in its center to avoid interference with the support 121 of the overhang 120.

[0054] When assembling the interlocking mobile storage system 100, a user may carry or lift the storage container 101 by the grips 125 thereby exerting an upward force on the grip 125 and holding the latch 115 in the disengaged position. The user may then set the storage container 101 down atop another storage container 101 or the cart 102. When the user releases the storage container 101, the user ceases to exert an upward force on the grip 125 and the latches 115 are biased to the engaged position coupling to the overhang 120, thereby interlocking the storage container 101 with the storage container 101 or cart 102 below. As noted above, even if the user is not carrying the storage container 101 by the grips 125 nor exerting a force on the grips 125, the chamfered ends 132 of the locking tabs 128 will still guide the latches 115 into engagement.

[0055] When disassembling the interlocking mobile storage system 100, a user may grip the grip 125 and lift the storage container 101 by said grip 125. In the process, the user exerts an upward force on the grip 125, thereby pivoting the latch 115 to the disengaged position, decoupling the locking tab 128 from the overhang 120, and removing the storage container 101 from being interlocked with the storage container 101 or cart 102 below.

[0056] As stated previously, the above description FIG. 4B illustrates only one latch 115 however, it will be noted that in the illustrated embodiment shown elsewhere, there is one latch 115 on either side of the storage container 101. In some embodiments, the storage container 101 may comprise more than two latches 115.

[0057] FIGS. 5A-5B illustrate the cart 102 of the interlocking mobile storage system 100. FIG. 5A is a top perspective view of the cart 102. FIG. 5B is a cross-sectional view of the bottom of a storage container 114 interlocked with the cart 102. The cart 102 comprises a rectangular platform 134, one or more handles 135, and casters 136.

[0058] The one or more handles 135 are disposed on a side of the cart 102. The illustrated embodiment comprises two handles 135 on the front and back of the cart 102 however, it should be understood that there may be any number of handles 135 oriented in any direction on any side of the cart 102 enabling a user to manually direct and move the cart 102 and the system 100. The casters 136 allow the system 100 to roll. Some of the casters 136 may be rotatable allowing the

cart **102** to be steered and some may be fixed in orientation such that the wheels are pointed in a singular direction. The presently illustrated embodiment comprises four casters **136**, however, it is to be understood that the invention includes embodiments with any number of casters **136** with any combination of fixed and/or rotatable casters **136**.

[0059] Storage containers **101** sit atop and interlock with the top of the platform **134**. The platform **134** is generally rectangular in shape, but comprises rounded and chamfered edges and corners. As shown in FIG. 5A the rectangular platform **134** may also comprise recesses to allow for handles **135** while still maintaining a total package shape of a rectangle.

[0060] The top of the platform **137** is similarly designed to the top of the storage containers **113** to allow for the storage containers **101** to interlock with the platform **134**. When interlocked, the storage container **101** is prevented from shifting or being removed from the interlocking mobile storage system **100** without user input.

[0061] Similar to the top of the storage container **113**, the top of the platform **137** is shaped complementary to the bottom of the storage containers **114**. The top of the platform **137** comprises a first recess **138**, a central rail **139**, a second recess **140**, and a third recess **141**. For the sake of brevity, these features will not be described in detail, as the discussion regarding the top of the storage container **113** suffices to describe the top of the platform **137**.

[0062] The top of the platform **137** and the bottom of a storage container **114** interlock the same way as the top of a storage container **113** and the bottom of a storage container **114** interlock. Thus, for the sake of brevity, the method of interlocking and operation will not be discussed in detail, as the discussion regarding the interlockability of the top of a storage container **113** and the bottom of another storage container **114** is applicable here.

[0063] The cart **102** may also store extra casters **136** on the bottom of the platform **142**. The casters **136** may clip into place. The extra casters **136** may be of a different type or size, or they may just be extras of the type already installed on the cart **136**.

[0064] FIGS. 6A-6D illustrate a storage container according to another embodiment. The presently illustrated interlocking mobile storage system **200** comprises another embodiment of a storage container, hereinafter the “half box” **201**.

[0065] The half box **201** is similar to the storage container **101** of FIGS. 1-5, however, it is half the length. Thus, the outer side of the half box **201** is the same as the side of the storage container **101** of FIGS. 1-5. The inner side is substantially flat.

[0066] Other than in size, the half boxes **201** differ from the storage containers **101** of FIGS. 1-5 in their interlocking features **212**. The interlocking features **212** include a bottom of the half box **214**, a latch **215**, a foot **243**, and may include a top of the half box **213**,

[0067] In some embodiments, such as the one shown in FIGS. 6A-6B, the top of the half box **213** comprises one half of the recess pattern of the top of the storage container **113** of FIGS. 1-5. That is, the top of the half box **213** has a first recess **216** and a second recess **218**. The first recess **216** is one half of the first recess **116** of the storage container **101** of FIGS. 1-5. The first recess of the half box **216** is substantially rectangular with one inwardly protruding trapezoidal shape where the second recess **218** is located. The

second recess **218** is disposed on the outside of the top of the half box **213** and comprises an overhang **220** with a support **221**.

[0068] In other embodiments, such as the one shown in FIGS. 6C-6D, the half box **201** includes a bag **256** with a bottom portion **255** attached to (e.g., sewn on, or heat welded on, or other attachment means known in the art) that engages with the top of the system **200** in the same way the half box **201** of FIGS. 6A-6B engages with the system. As can be appreciated, the bag **256** with bottom portion **255** may be, for example, a backpack (as shown), or a tote bag or any similar type bag for convenient mobile storage.

[0069] The bottom of the half box **214** comprises one half of the extrusion pattern of the storage container **101** of FIGS. 1-5. That is, the bottom of the half box **214** is substantially complementary with one half of the top of a storage container **113** of FIGS. 1-5. The bottom of the half box **214** comprises a first extrusion **223** which fits within the first recess **116** of a storage container **101** of FIGS. 1-5 on one side of the central rail **117**.

[0070] The half box **201** comprises one latch **215** that comprises the same components and operates similarly to the latch **115** of the storage containers.

[0071] The foot **243** is an extrusion extending below the half box **201** and outwardly from the half box **201** on the opposite side of the half box **201** from the latch **215**. The foot **243** is configured to slide under and engage with the central rail **117** of the storage container **101** below the half box **201**, thereby interlocking the half box **201** with the top **113** of the storage container **101** below.

[0072] In operation, the half box **201** may be assembled into the interlocking mobile storage system **200** as illustrated in FIG. 6A. The half box **201** is assembled atop a storage container **101**. In operation, a user carries a half box **201** and first guides the foot **243** underneath and into contact with the underside of the central rail **117** of a storage container **101** beneath the half box **201** and then sets the remaining side of the half box **201** down atop the storage container **101** in the same way described above with reference to a storage container **101** being assembled onto another storage container **101**.

[0073] While the embodiment presently illustrated only illustrates one half box **201** atop the system **200**, it should be appreciated that two half boxes **201** may be assembled atop one storage container **101**.

[0074] FIGS. 7A-7C illustrate an interlocking mobile storage system **300**, according to another embodiment. The presently illustrated interlocking mobile storage system **300** comprises another embodiment of a storage container, hereinafter the “top opening container” **301**, and a different embodiment of the cart, hereinafter “the dolly” **302**.

[0075] The top opening container **301** comprises a different mode of accessing the contents inside the. Rather than having drawers, the top opening container **301** comprises a flip top **303** pivotably coupled to the top opening container **301** by hinges **344**, wherein the flip top **303** is secured closed by clasps **345** disposed on the opposite side of the top opening containers **301** from the hinge.

[0076] The interlocking mobile storage system **300** also comprises a dolly **302** rather than the cart **102** of the interlocking mobile storage system **100** of FIG. 1A. The dolly **302** comprises a frame **346** with a handle **347**, a cross member **348**, container brackets **349**. The dolly **302** further comprises wheels **350** connected by an axle **351**.

[0077] The dolly 302 is coupled to the stacked top opening containers 301 by the container brackets 350 which are coupled by, for example, threaded fasteners to the back of one top opening container 301 of the system 300. The frame 346 supports the weight of the system 300. The handle 347 allows a user to manipulate the dolly 302 to move the system 300.

[0078] In operation a user would couple the container brackets 349 to a top opening container 301 of the system 300 and use the handle 347 to tilt the dolly 302 backwards, wherein only the wheels 351 are contacting the ground. The user would then use the handle 347 to balance the system 300 on the wheels and the user could manipulate and roll the system 300.

[0079] While the mode of opening and mode of movement of the systems 100 and 300 differ in design, the interlocking features 312 of the top opening containers 301 are the same as those used in the system 100 of FIGS. 1-5.

[0080] FIGS. 8A-8B illustrate exemplary accessories that may attach to an attachment point 107 of the interlocking mobile storage system 100. FIG. 8A illustrates a hanger 451. The hanger 451 may be slid onto an attachment point 107 by a mounting plate 452 of the hanger 451 that is shaped to complement the T-shaped section of an attachment point 107. The hanger 451 allows a user to hang objects from the system 100. FIG. 8B illustrates a bucket 453. The bucket 453 may be slid onto an attachment point 107 by a back 454 of the bucket 453 that is shaped to complement the T-shaped section of an attachment point 107. The bucket 453 allows a user to store objects on the outside of the system 100 for easy and quick access.

[0081] It is contemplated that one or more of these aspects disclosed herein may be combined. Moreover, it is contemplated that one or more of these aspects may include some or all of the aforementioned benefits.

[0082] As an example, the present disclosure contemplates that one or more of the aspects, features, components, operations, and/or properties of the systems 100, 200, and 300 may be combined.

[0083] It will be appreciated by those skilled in the art that the preceding embodiments are exemplary and not limiting. It is intended that all modifications, permutations, enhancements, equivalents, and improvements thereto that are apparent to those skilled in the art upon a reading of the specification and a study of the drawings are included within the scope of the disclosure. It is therefore intended that the following appended claims may include all such modifications, permutations, enhancements, equivalents, and improvements. The present disclosure also contemplates that one or more aspects of the embodiments described herein may be substituted in for one or more of the other aspects described. The scope of the disclosure is determined by the claims that follow.

What is claimed is:

1. An interlocking mobile storage system, comprising:
 - a first storage container comprising a latch disposed on a side of the first storage container, the latch comprising a biasing member and a pivot, wherein the latch is pivotable between an engaged position and a disengaged position and the biasing member biases the latch to the engaged position; and
 - a second storage container comprising a recess comprising an overhang, wherein the first storage container is disposed on a top of the second storage container and

the latch is in the engaged position, is engaged with, and is disposed in the overhang of the recess.

2. The interlocking mobile storage system of claim 1, wherein:

the first storage container further comprises a second latch on a second side of the first storage container, the second latch comprising a second biasing member and a second pivot, wherein the second latch is pivotable between an engaged position and a disengaged position and the second biasing member biases the second latch to the engaged position; and

the second storage container further comprises a second recess comprising a second overhang, wherein the second latch is in the engaged position, is engaged with, and is disposed in the second overhang of the second recess.

3. The interlocking mobile storage system of claim 1, wherein:

the first storage container further comprises a foot on a second side of the first storage container; and

the second storage container further comprises a central rail with a second overhang, wherein the foot is disposed within and engaged with the central rail.

4. The interlocking mobile storage system of claim 1, wherein:

the first storage container further comprises an extrusion on a bottom of the first storage container;

the second storage container further comprises a third recess on a top of the second storage container; and

the extrusion is disposed in the third recess.

5. The interlocking mobile storage system of claim 1, wherein the latch further comprises a chamfered end configured to guide the latch into engagement with the overhang of the recess.

6. The interlocking mobile storage system of claim 1 further comprising a cart, wherein the second storage container is disposed on a top of the cart.

7. The interlocking mobile storage system of claim 6, wherein:

the second container comprises a second latch on a second side of the storage container, the second latch comprising a second biasing member and a second pivot, wherein the second latch is pivotable between an engaged position and a disengaged position and the second biasing member biases the second latch to the engaged position; and

the cart comprises a second recess comprising a second overhang, wherein the second latch is in the engaged position, is engaged with, and is disposed in the second overhang of the second recess.

8. The interlocking mobile storage system of claim 7, wherein:

the second storage container further comprises an extrusion on a bottom of the second storage container;

the cart further comprises a third recess on a top of the cart; and

the extrusion is disposed in the third recess.

9. The interlocking mobile storage system of claim 1, wherein the first storage container comprises drawers.

10. The interlocking mobile storage system of claim 1, wherein the first storage container comprises a hinged top.

- 11.** An interlocking storage container, comprising:
 a top comprising a first recess on a side of the interlocking storage container, wherein the first recess comprises an overhang; and
 a latch disposed on the side of the interlocking storage container and the latch is pivotable between an engaged position and a disengaged position, the latch comprising:
 a grip;
 a locking tab, wherein the locking tab is moved towards a centerline of the interlocking storage container in the engaged position and the locking tab is moved away from the centerline in the disengaged position; and
 a biasing member disposed between the grip and the interlocking storage container, wherein the biasing member biases the latch towards the engaged position.
- 12.** The interlocking storage container of claim **11**, further comprising a second latch on a second side of the interlocking storage container, the second latch comprising:
 a second grip;
 a second locking tab, wherein the second locking tab is moved towards the centerline of the interlocking storage container in the engaged position and the locking tab is moved away from the centerline in the disengaged position; and
 a second biasing member disposed between the second grip and the interlocking storage container, wherein the second biasing member biases the second latch towards the engaged position.
- 13.** The interlocking storage container of claim **11** further comprising a foot on a second side of the interlocking storage container, wherein the foot comprises an extrusion protruding from the second side of the interlocking storage container.
- 14.** The interlocking storage container of claim **11** further comprising a first recess and a second recess in a top of the interlocking storage container, wherein the first recess comprises an overhang and extends to the side of the interlocking storage container and the second recess comprises an overhang and extends to a second side of the interlocking storage container.
- 15.** The interlocking storage container of claim **14** further comprising a third recess disposed between the first recess and the second recess.
- 16.** A method for interlocking storage containers, comprising:

disposing a first storage container on a top of a second storage container, wherein the first storage container comprises a latch on a side of the first storage container, the latch comprising a biasing member, wherein the latch is pivotable between an engaged position and a disengaged position and the biasing member biases the latch to the engaged position; and
 configuring the latch in the engaged position, wherein the latch is engaged with and is disposed within an overhang of the second storage container.

- 17.** The method of claim **16**, wherein:
 the first storage container further comprises a second latch on a second side of the first storage container, the second latch comprising a second biasing member, wherein the second latch is pivotable between an engaged position and a disengaged position and the second biasing member biases the second latch to the engaged position; and
 the method further comprises configuring the second latch in the engaged position, wherein the second latch is engaged with and is disposed within a second overhang of the second storage container.
- 18.** The method of claim **16**, wherein:
 the first storage container further comprises a foot on a second side of the first storage container, wherein the foot comprises an extrusion protruding from the second side of the first storage container; and
 the method further comprises engaging the foot with and disposing the foot in a central rail of the second storage container.
- 19.** The method of claim **16**, wherein:
 the second storage container comprises a second latch on a second side of the second storage container, the second latch comprising a second biasing member, wherein the second latch is pivotable between an engaged position and a disengaged position and the second biasing member biases the second latch to the engaged position;
 the method further comprises disposing the second storage container on a top of a cart and configuring the second latch in the engaged position, wherein the second latch is engaged with and disposed within a second overhang of the cart.
- 20.** The method of claim **16** further comprising configuring the latch in the disengaged position, wherein the latch is released from overhang of the second storage container.

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