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Hollis

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(54) **WALL MOUNTED INSULIN CADDY**

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(58) **Field of Classification Search**
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See application file for complete search history.

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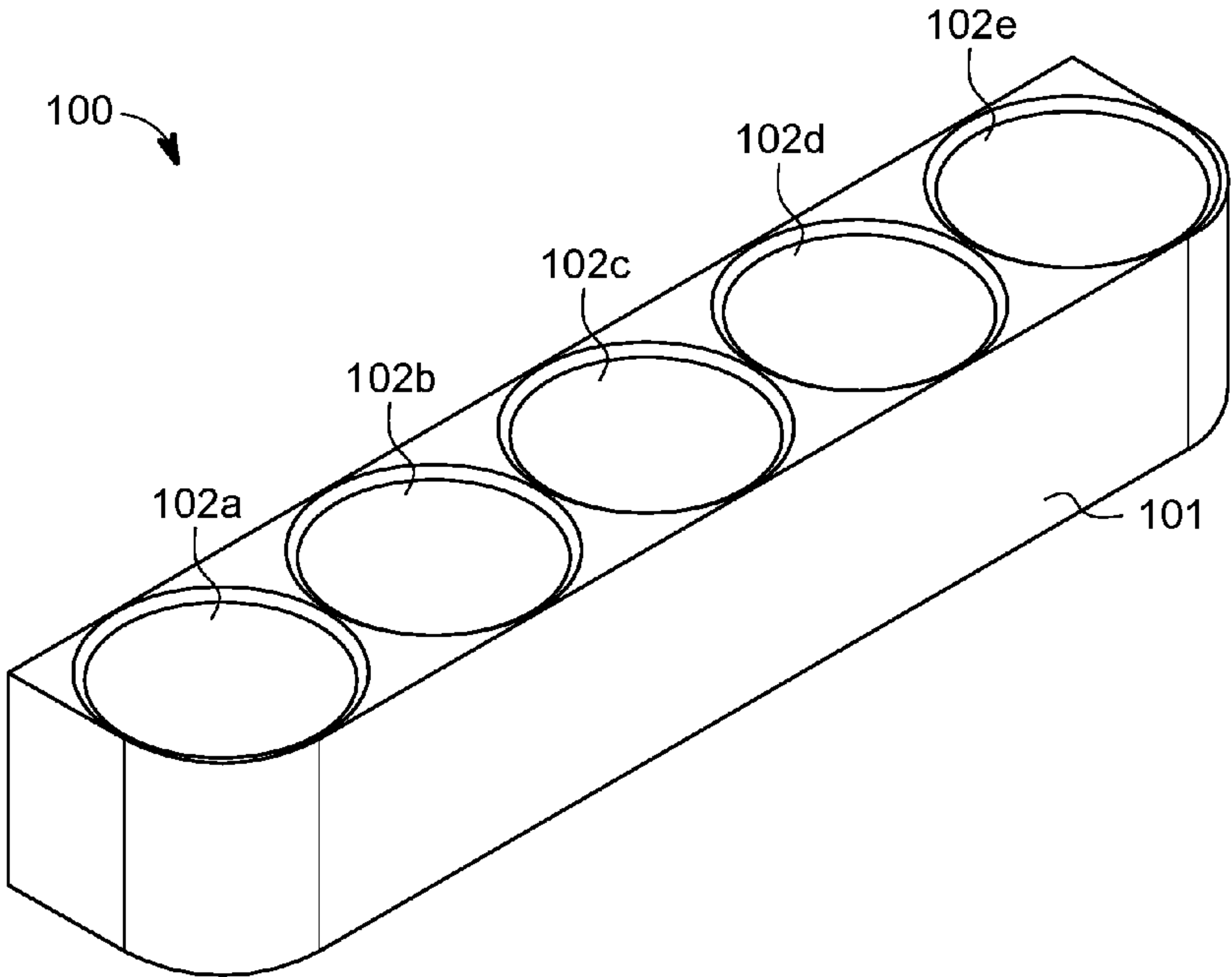
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(57) **ABSTRACT**

A wall-mounted insulin caddy according to the present invention includes a caddy body having a flat rear surface, an outer front surface, a pair of rounded corners, a top caddy body surface and a bottom caddy body surface, one or more removable adhesive strips coupled to the flat rear surface for mounting the caddy body to a wall and label on the outer front surface for identifying contents of any vials stored within the caddy body. The caddy body has a plurality of cylindrical storage locations, each of the plurality of cylindrical storage locations comprises a cavity within the caddy body accessible from a top caddy body surface for storing a vial, and a drainage hole from within the cylindrical storage locations through a bottom caddy surface. The caddy body reduces external light passing into vials placed within one of the plurality of cylindrical storage locations and each of the plurality of cylindrical storage locations has a chamfered vial slot opening for easier vial installation.

7 Claims, 4 Drawing Sheets



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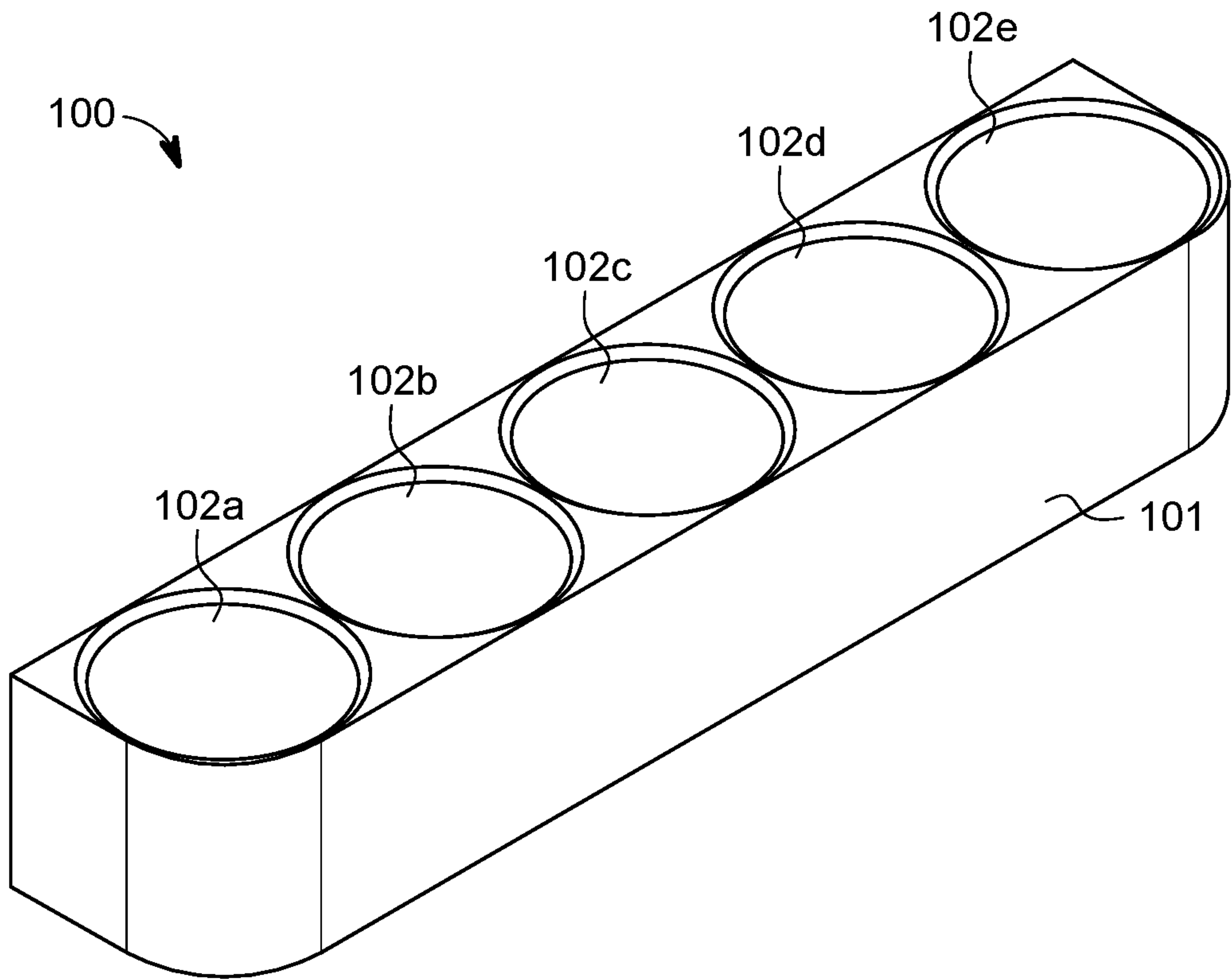


FIG. 1

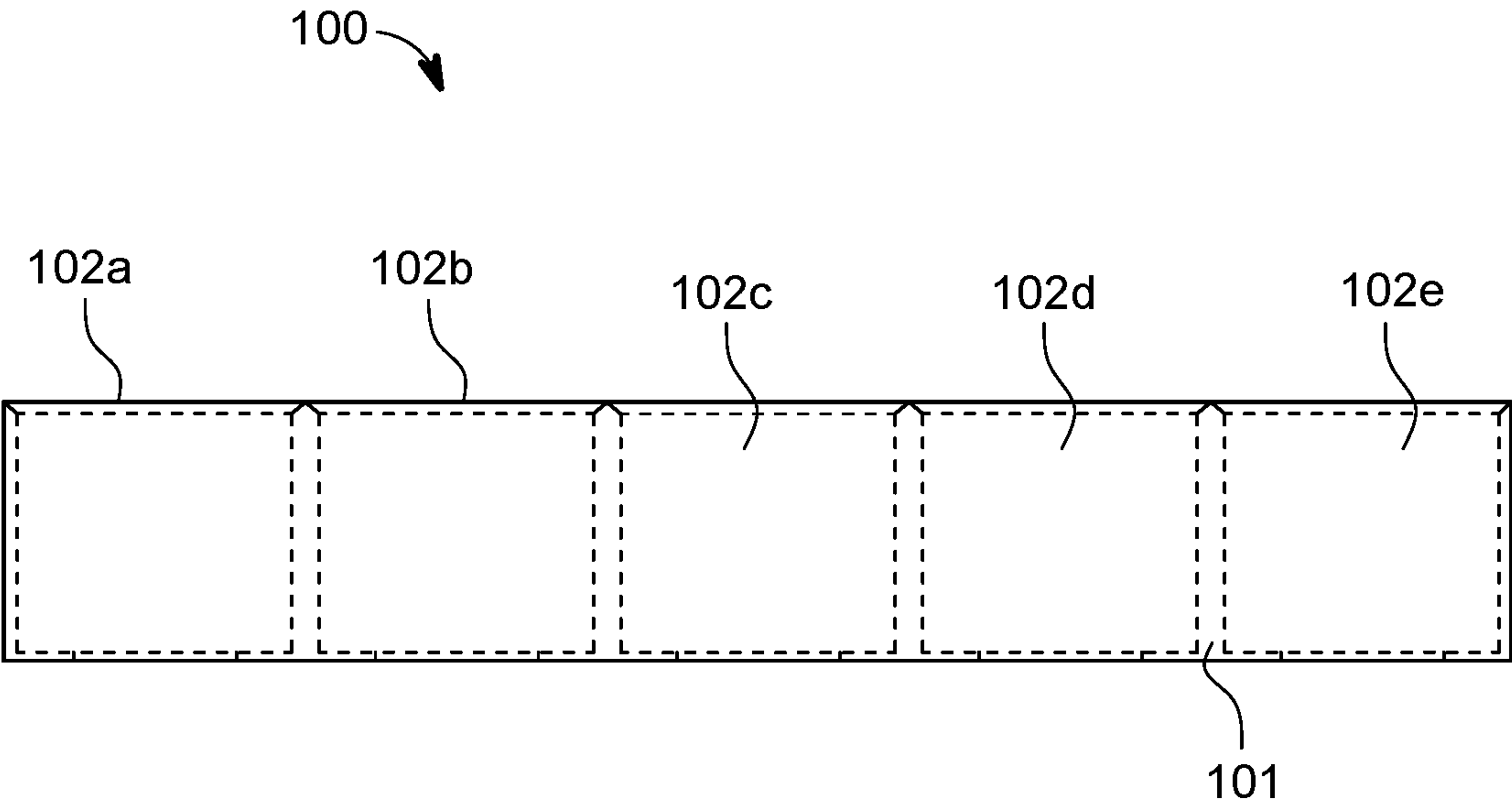


FIG. 2

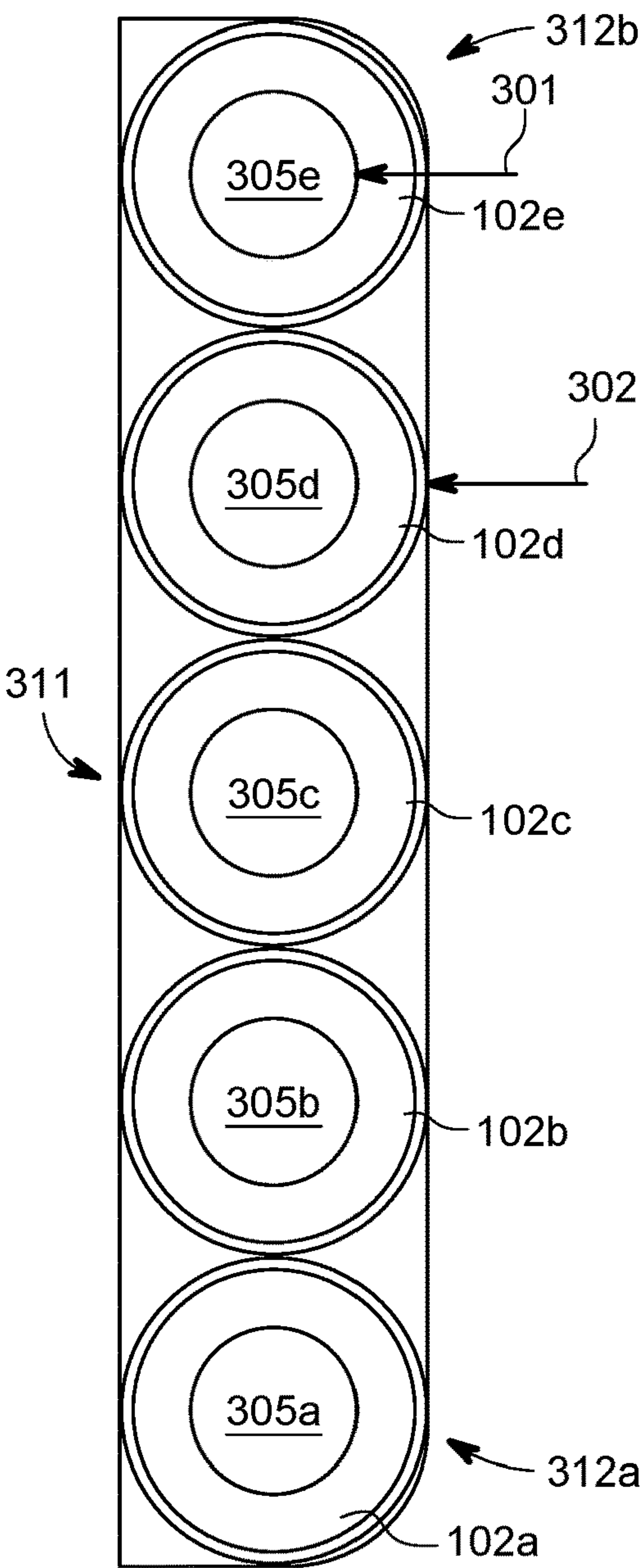


FIG. 3

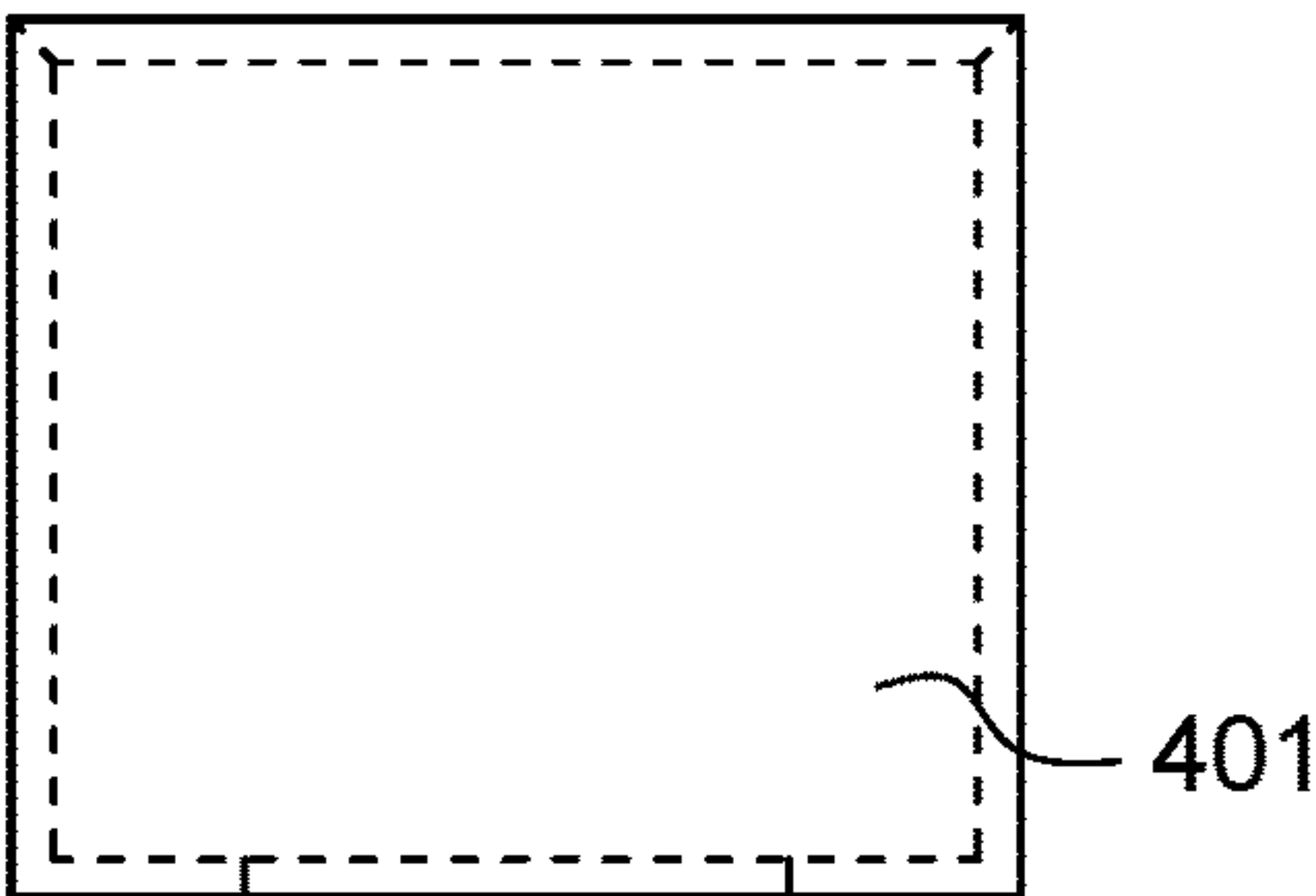


FIG. 4

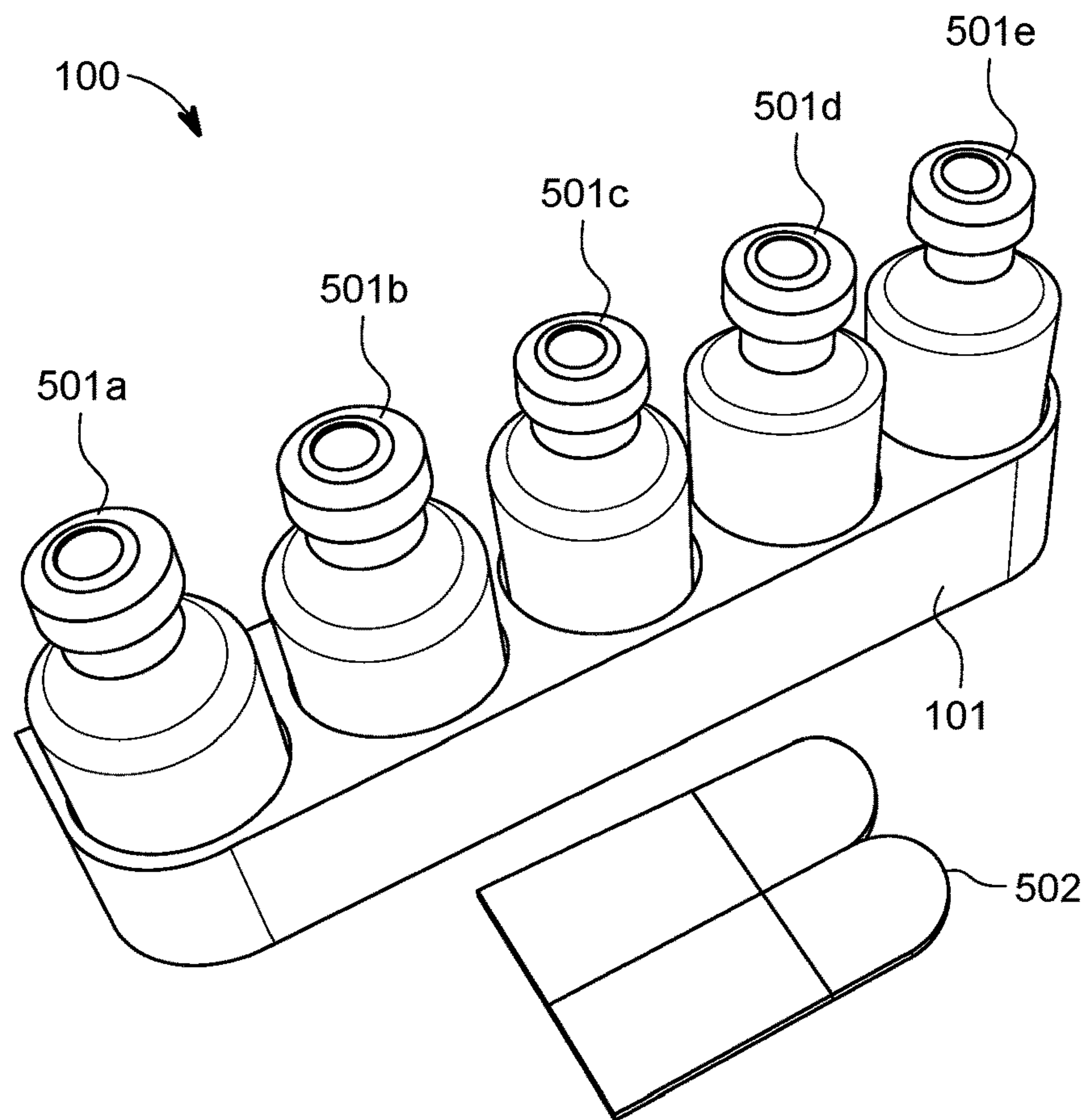


FIG. 5

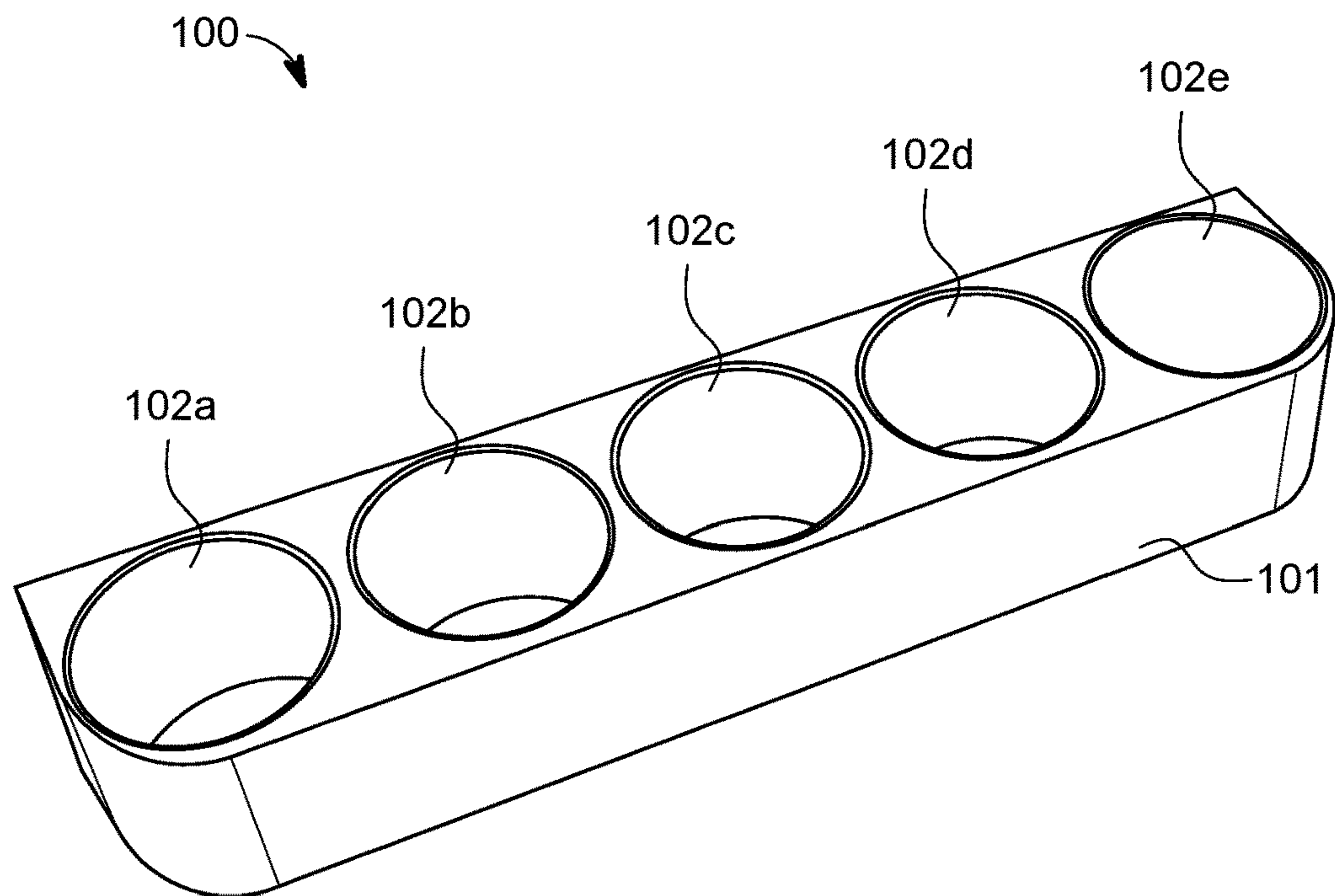


FIG. 6

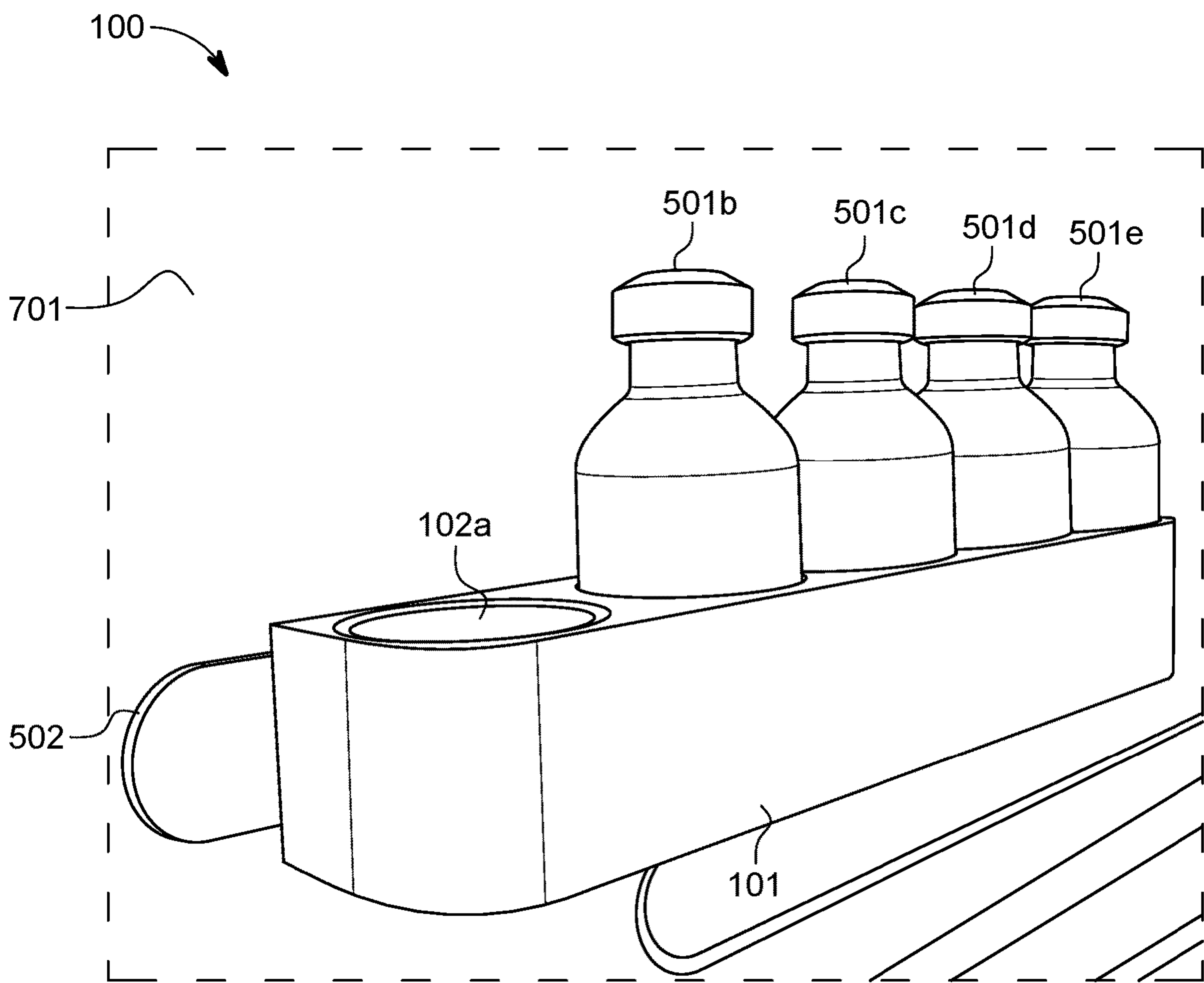


FIG. 7

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WALL MOUNTED INSULIN CADDY

TECHNICAL FIELD

This application relates in general to an article of manufacture for providing drug storage devices, and more specifically, to an article of manufacture providing a wall-mounted insulin caddy.

BACKGROUND

Insulin storage is challenging. The vials cannot be out of the refrigerator or in direct sunlight. Many people leave them in their bulky boxes and stack them in the door or on a shelf. Current storage for insulin vials required refrigeration. Many people store their vials in the “butter compartment” on the door of their refrigerator. This takes up valuable space and can also expose unboxed vials to direct sunlight and varying temperatures when the door is opened. Also, commonly vials that are stored loosely in the butter compartment fall and break when the door is jerked open.

Therefore, a need exists for an article of manufacture for providing a wall-mounted insulin caddy. The present invention attempts to address the limitations and deficiencies in prior solutions according to the principles and example embodiments disclosed herein.

SUMMARY

In accordance with the present invention, the above and other problems are solved by providing an article of manufacture providing a wall-mounted insulin caddy according to the principles and example embodiments disclosed herein.

In one embodiment, the present invention is an article of manufacture for providing a wall-mounted insulin caddy. The wall-mounted insulin caddy includes a caddy body having a flat rear surface, an outer front surface, a pair of rounded corners, a top caddy body surface and a bottom caddy body surface, one or more removable adhesive strips coupled to the flat rear surface for mounting the caddy body to a wall, and may label on the outer front surface for identifying contents of any vials stored within the caddy body. The caddy body has a plurality of cylindrical storage locations, each of the plurality of cylindrical storage locations comprises a cavity within the caddy body accessible from a top caddy body surface for storing a vial, and a drainage hole from within the cylindrical storage locations through a bottom caddy surface. The caddy body reduces external light passing into vials placed within one of the plurality of cylindrical storage locations and each of the plurality of cylindrical storage locations has a chamfered vial slot opening for easier vial installation.

The foregoing has outlined rather broadly the features and technical advantages of the present invention in order that the detailed description of the invention that follows may be better understood. Additional features and advantages of the invention will be described hereinafter that form the subject of the claims of the invention.

It should be appreciated by those skilled in the art that the conception and specific embodiment disclosed may be readily utilized as a basis for modifying or designing other structures for carrying out the same purposes of the present invention. It should also be realized by those skilled in the art that such equivalent constructions do not depart from the spirit and scope of the invention as set forth in the appended claims. The novel features that are believed to be characteristic of the invention, both as to its organization and

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method of operation, together with further objects and advantages will be better understood from the following description when considered in connection with the accompanying figures. It is to be expressly understood, however, that each of the figures is provided for the purpose of illustration and description only and is not intended as a definition of the limits of the present invention.

BRIEF DESCRIPTION OF THE DRAWINGS

Referring now to the drawings in which like reference numbers represent corresponding parts throughout:

FIG. 1 illustrates an example embodiment of an article of manufacture providing a wall-mounted insulin caddy according to the present invention.

FIG. 2 illustrates a front view of an article of manufacture providing a wall-mounted insulin caddy according to the present invention.

FIG. 3 illustrates a top view of an article of manufacture providing a wall-mounted insulin caddy according to the present invention.

FIG. 4 illustrates an end view of an article of manufacture providing a wall-mounted insulin caddy according to the present invention.

FIG. 5 illustrates an embodiment of an article of manufacture providing a wall-mounted insulin caddy holding insulin vials according to the present invention.

FIG. 6 illustrates an empty article of manufacture providing a wall-mounted insulin caddy according to the present invention.

FIG. 7 illustrates an article of manufacture providing a wall-mounted insulin caddy installed within a refrigerated storage location according to the present invention.

DETAILED DESCRIPTION

This application relates in general to an article of manufacture for providing drug storage devices, and more specifically, to an article of manufacture providing a wall-mounted insulin caddy according to the present invention.

Various embodiments of the present invention will be described in detail with reference to the drawings, wherein like reference numerals represent like parts and assemblies throughout the several views. Reference to various embodiments does not limit the scope of the invention, which is limited only by the scope of the claims attached hereto. Additionally, any examples set forth in this specification are not intended to be limiting and merely set forth some of the many possible embodiments for the claimed invention.

In describing embodiments of the present invention, the following terminology will be used. The singular forms “a,” “an,” and “the” include plural referents unless the context clearly dictates otherwise. As used herein, a plurality of items, structural elements, compositional elements, and/or materials may be presented in a common list for convenience. However, these lists should be construed as though each member of the list is individually identified as a separate and unique member. Thus, no individual member of such a list should be construed as a de facto equivalent of any other member of the same list solely based on their presentation in a common group without indications to the contrary. As used herein, the singular forms “a,” “an,” and “the” are intended to include the plural forms as well, unless the context clearly indicates otherwise.

It further will be understood that the terms “comprises,” “comprising,” “includes,” and “including” specify the presence of stated features, steps, or components, but do not

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preclude the presence or addition of one or more other features, steps, or components. It also should be noted that in some alternative implementations, the functions and acts noted may occur out of the order noted in the figures. For example, two figures shown in succession may in fact be executed substantially concurrently or may sometimes be executed in the reverse order, depending upon the functionality and acts involved.

The terms “individual,” and “user” refer to an entity, e.g., a human, using an article of manufacture providing a wall-mounted insulin caddy according to the present invention. The term user herein refers to one or more users.

The term “invention” or “present invention” refers to the invention being applied for via the patent application with the title “Wall-Mounted Insulin Caddy.” The invention may be used interchangeably with caddy.

In general, the present disclosure relates to an article of manufacture providing a wall-mounted insulin caddy according to the present invention. To better understand the present invention, FIG. 1 illustrates an example embodiment of an article of manufacture providing a wall-mounted insulin caddy according to the present invention. A wall-mounted insulin caddy **100** that holds various numbers of vials (typically 5 but can be more or less). The caddy body **101** mounts to the side wall of the refrigerator with easily removable adhesive, for example, via 3M™ adhesive tape. The wall-mounted insulin caddy **100** creates an out-of-the-way place to store the insulin that prevents vials from falling on the floor. By storing on the wall, the butter compartment is open for normal use, and the exposure to direct sunlight is drastically reduced. While the preferred embodiment disclosed in the Figures describes a caddy with 5 storage locations **102a-e** having a fixed size, one of ordinary skill in the art will readily recognize that any number of storage locations **102a-e** may be included in the wall-mounted insulin caddy **100** with each of the storage locations **102a-e** being sized to hold various sized vials. The example embodiments are disclosed for exemplary purposes that are not intended to limit the present invention. The wall-mounted insulin caddy **100** is defined within the limitations recited within the attached claims.

FIG. 2 illustrates a front view of an article of manufacture providing a wall-mounted insulin caddy according to the present invention. The wall-mounted insulin caddy **100** shown in FIG. 2 illustrates a 5 storage location caddy **100** having equally sized storage locations **102a-e** in the caddy body **101**. In a preferred embodiment, each storage location **102a-e** is 1" wide and 0.94" tall. The caddy body **101** is made of rigid plastic, such as Polylactic Acid (PLA), Polyethylene terephthalate glycol (PET(G)) or Acrylonitrile, Butadiene, Styrene (ABS), that does not expose the contents of the vials stored therein to light.

FIG. 3 illustrates a top view of an article of manufacture providing a wall-mounted insulin caddy according to the present invention. The wall-mounted insulin caddy **100** shown in FIG. 2 illustrates a 5 storage location caddy **100** having each storage location **102a-e** providing cylindrical cavities within the caddy body **101**. Each of the storage locations **102a-e** has a 0.59" drainage hole **305a-e** through a bottom surface of the caddy body **101**. Each storage location cavity **102a-e** also has a chamfered vial slot opening for easier vial installation. The caddy body **101** also comprises a flat rear surface **311** and a pair of rounded front corners **312a-b**.

FIG. 4 illustrates an end view of an article of manufacture providing a wall-mounted insulin caddy according to the present invention. The caddy body **101** is shown having an

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outside width of 1.10" with the 1" diameter storage location **102a-e** centered therein. The wall thickness of the storage locations **102a-e** in the caddy body **101** is configured to be strong enough to restrain and hold a vial. Other wall thicknesses may be utilized as needed depending upon the mass of the vial and insulin to be placed within the storage locations **102a-e**.

FIG. 5 illustrates an embodiment of an article of manufacture providing a wall-mounted insulin caddy holding insulin vials according to the present invention. A set of medicine vials **501a-e** are shown in FIG. 5 being stowed within the storage locations **102a-e** of the wall-mounted insulin caddy **100**. The caddy body **101** is tall enough to cover the lower portion of each vial that contains the insulin while exposing enough of a top end of each vial to permit each one to be easily removed and replaced within the storage locations **102a-e** as needed. A set of adhesive strips **502** is also shown in FIG. 5. The adhesive strips **502** are coupled to the flat rear surface **311** of the caddy body **101** to couple the wall-mounted insulin caddy **100** to a refrigerator wall **701** as shown in FIG. 7.

FIG. 6 illustrates an empty article of manufacture providing a wall-mounted insulin caddy according to the present invention. Inner surfaces of each storage location **102a-e** are shown. A label **601** may be included on an outside front surface **602** of the caddy body **101** to identify the contents of the vials **501a-e** stored therein. This label **602** may be etched into the outside front surface **602** in a preferred embodiment, although other labeling mechanisms may also be utilized.

FIG. 7 illustrates an article of manufacture providing a wall-mounted insulin caddy installed within a refrigerated storage location according to the present invention. The wall-mounted insulin caddy **100** is shown coupled to a refrigerator wall **701** with one or more adhesive strips **502** coupling the flat rear surface **311** of the caddy body **101** to the refrigerator wall **701**. The adhesive strip **502** may be pulled to detach the wall-mounted insulin caddy **100** from the refrigerator wall **701** to move, clean, reposition, or remove the wall-mounted insulin caddy **100** as needed.

Even though particular combinations of features are recited in the present application, these combinations are not intended to limit the disclosure of the invention. In fact, many of these features may be combined in ways not specifically recited in this application. In other words, any of the features mentioned in this application may be included to this new invention in any combination or combinations to allow the functionality required for the desired operations.

No element, act, or instruction used in the present application should be construed as critical or essential to the invention unless explicitly described as such. Further, the phrase “based on” is intended to mean “based, at least in part, on” unless explicitly stated otherwise.

What is claimed is:

1. An article of manufacture providing a wall-mounted insulin caddy, the insulin caddy comprises:

a caddy body having a flat rear surface, an outer front surface, a pair of rounded corners, a top caddy body surface, and a bottom caddy body surface, the caddy body comprises:

a plurality of cylindrical storage locations, each of the plurality of cylindrical storage locations comprises a cavity within the caddy body accessible from a top caddy body surface for storing a vial; and

a drainage hole from within the cylindrical storage locations through a bottom caddy surface; and

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one or more removable adhesive strips coupled to the flat rear surface for mounting the caddy body to a wall;

wherein the caddy body is made from a rigid plastic material comprising Polylactic Acid (PLA), Polyethylene terephthalate glycol (PET(G)), and Acrylonitrile, Butadiene, Styrene (ABS). 5

2. The insulin caddy according to claim 1, wherein the caddy body reduces external light passing into vials placed within one of the plurality of cylindrical storage locations. 10

3. The insulin caddy according to claim 1, wherein the caddy body further comprises a label on the outer front surface for identifying contents of any vials stored within the caddy body.

4. The insulin caddy according to claim 1, wherein the plurality of cylindrical storage locations comprises multiple storage locations. 15

5. The insulin caddy according to claim 4, wherein the plurality of cylindrical storage locations has identically sized cylindrical cavities. 20

6. The insulin caddy according to claim 4, wherein each of the plurality of cylindrical storage locations has a chamfered vial slot opening for easier vial installation.

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7. A wall-mounted insulin caddy comprising:

a caddy body having a flat rear surface, an outer front surface, and a pair of rounded corners, the caddy body comprises:

a plurality of cylindrical storage locations, each of the plurality of cylindrical storage locations comprises a cavity within the caddy body accessible from a top caddy body surface for storing a vial; and

a drainage hole from within the cylindrical storage locations through a bottom caddy surface;

one or more removable adhesive strips coupled to the flat rear surface for mounting the caddy body to a wall; and the label on the outer front surface for identifying contents of any vials stored within the caddy body;

wherein the caddy body reduces external light passing into vials placed within one of the plurality of cylindrical storage locations;

wherein each of the plurality of cylindrical storage locations has a chamfered vial slot opening for easier vial installation; and

wherein the caddy body is made from a rigid plastic material comprising Polylactic Acid (PLA), Polyethylene terephthalate glycol (PET(G)), and Acrylonitrile, Butadiene, Styrene (ABS).

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