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(54) **FIGHT PHONE CASE**

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(57) **ABSTRACT**

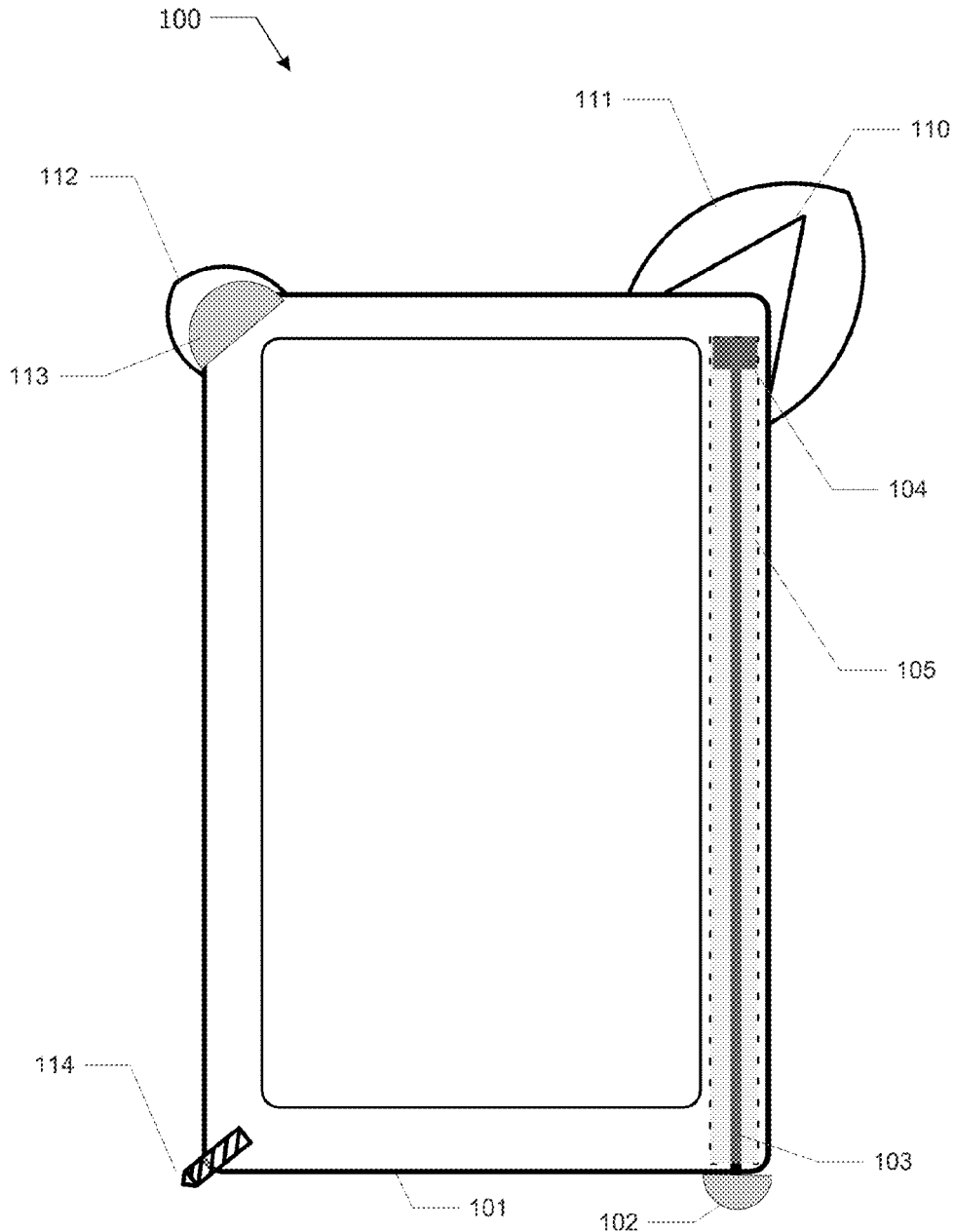
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An article of manufacture for providing a self-defense cellular telephone case is disclosed.



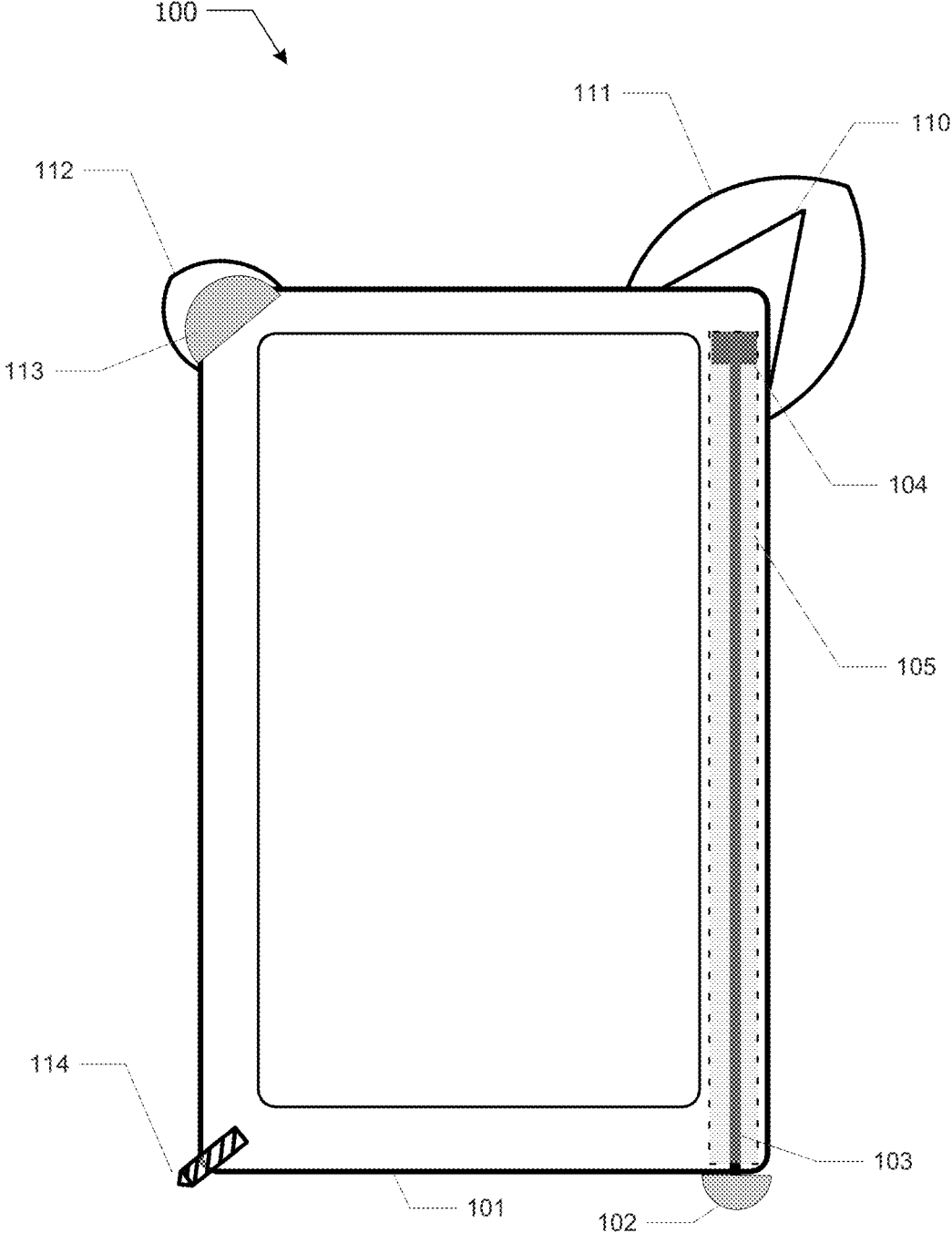


FIG. 1

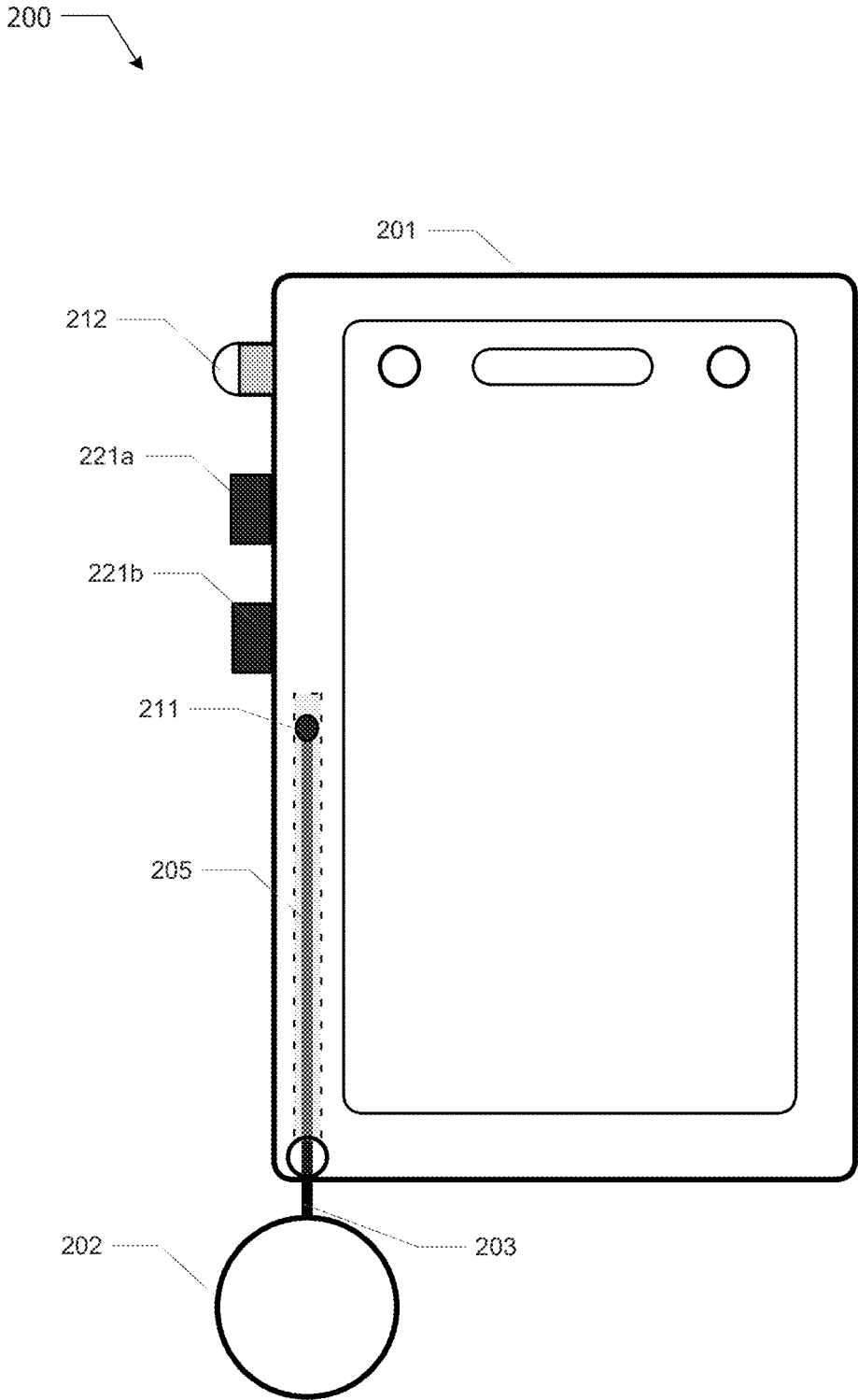


FIG. 2

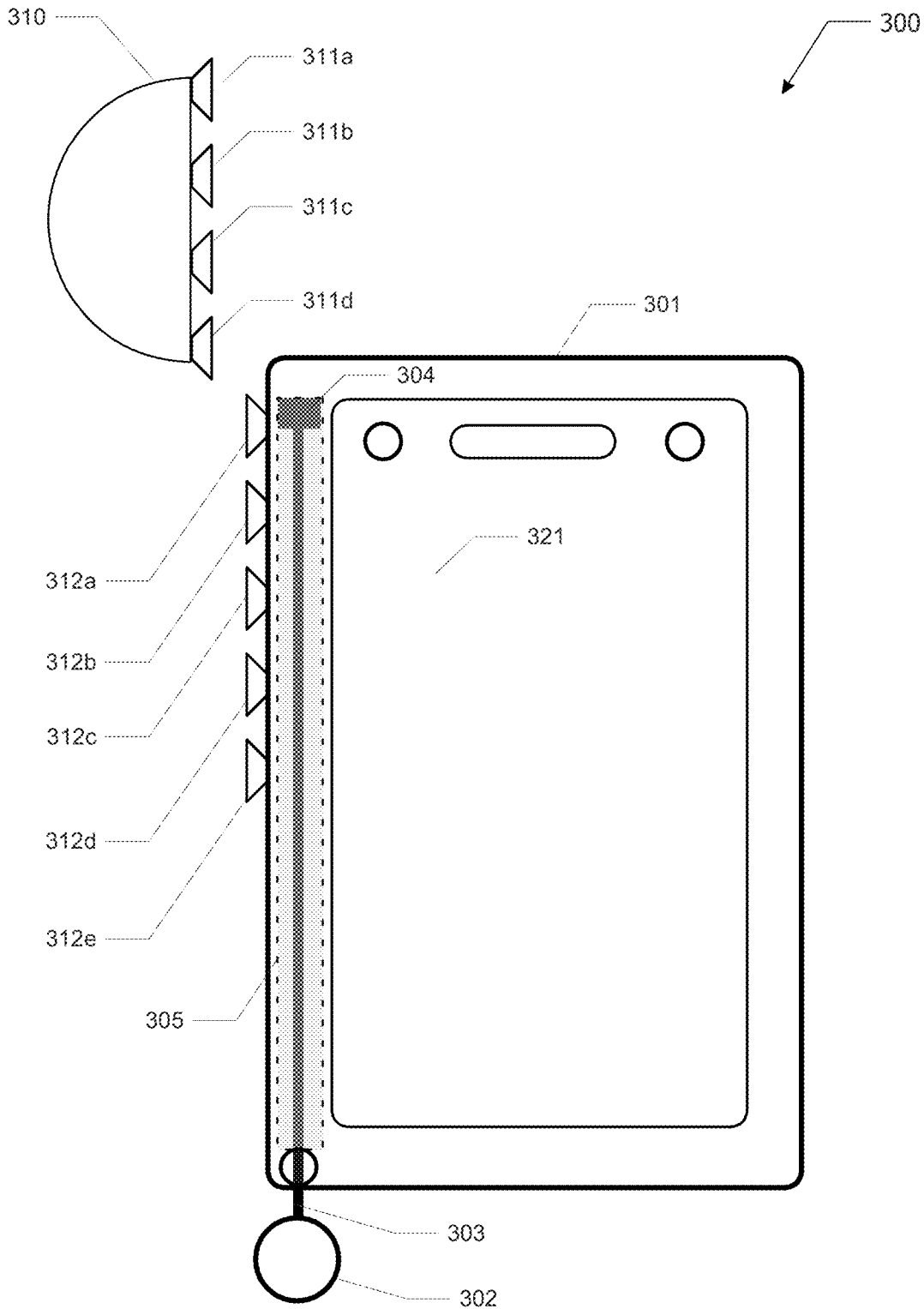


FIG. 3

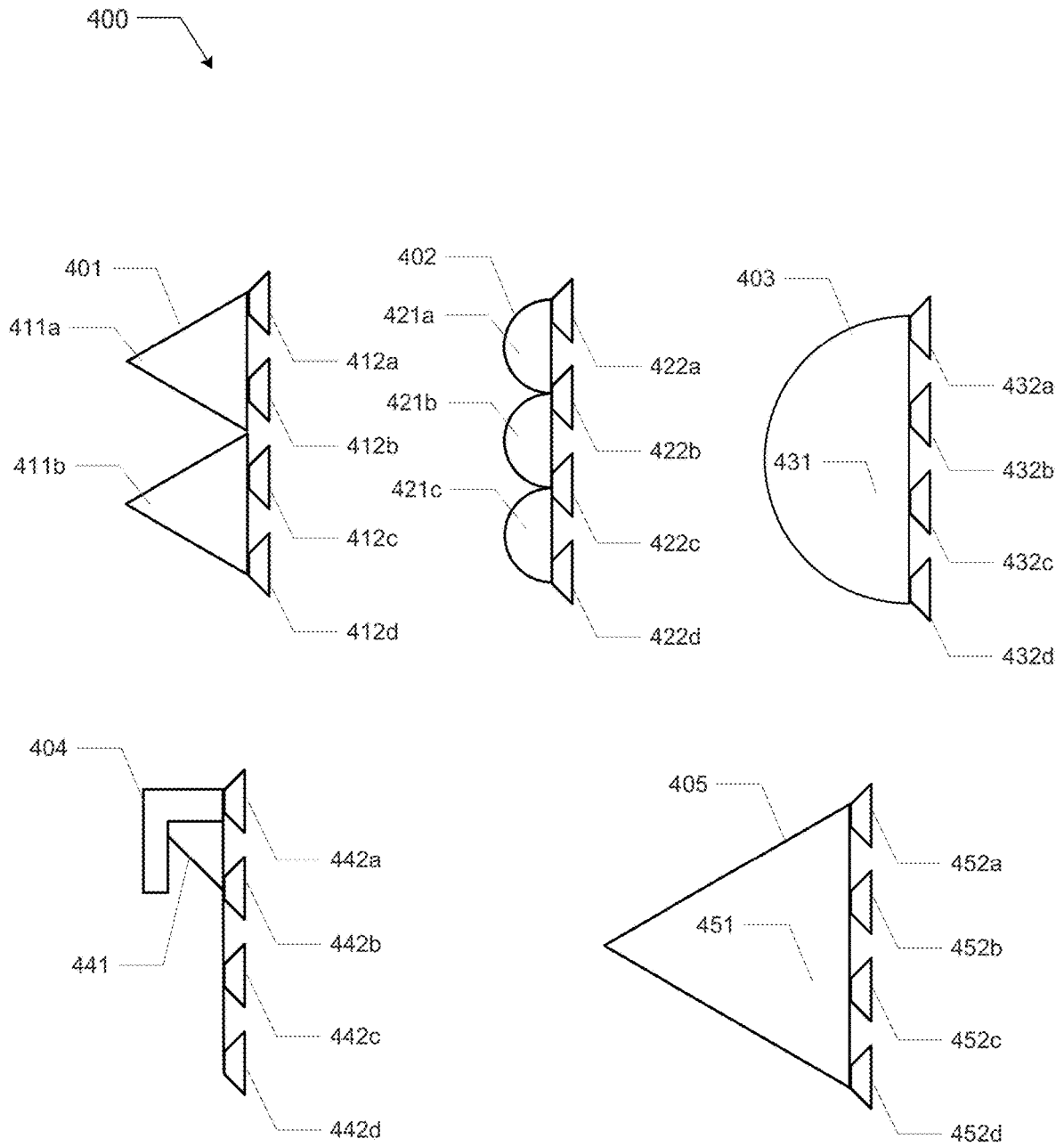


FIG. 4

FIGHT PHONE CASE**CROSS-REFERENCES TO RELATED APPLICATIONS**

[0001] This application claims the benefit of provisional application No. 63/115,135 entitled FIGHT PHONE CASE, filed Nov. 18, 2020. The provisional application is incorporated in its entirety by reference.

FIELD OF INVENTION

[0002] This application relates in general to an article of manufacture for providing a personal protection device, and more specifically, to an article of manufacture for providing a self-defense cellular telephone case.

BACKGROUND OF THE INVENTION

[0003] Ordinary people may from time to time encounter individuals who present a threat of theft, mugging, assault, and injury while the ordinary people are out in public. Such encounters may occur in crowded cities, deserted small rural towns, highway rest stops, restaurants, and the like. Most ordinary people do not carry on their person an object that is intended to provide personal protection in these situations. As a result, ordinary people may become victims of a crime.

[0004] At the same time, most people carry a cellular phone for use at all times of the day wherever they may be. These same people may carry these cellular phones in a carrying case that protects the cellular phones from accidents that may damage the screens, cases, and electronics. Therefore, a need exists for an article of manufacture for providing a self-defense cellular telephone case.

SUMMARY OF THE INVENTION

[0005] This Summary is provided to introduce a selection of concepts in a simplified form that is further described below in the Detailed Description. This Summary is not intended to identify key features or essential features of the claimed subject matter, nor is it intended to be used as an aid in determining the scope of the claimed subject matter. The present invention is defined by the claims.

[0006] In one embodiment, the present invention is an article of manufacture for providing a self-defense cellular telephone case.

[0007] 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.

[0008] 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 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

[0009] The present invention is described in detail below with reference to the attached drawing figures, wherein:

[0010] FIG. 1 illustrates an example embodiment of an article of manufacture for providing a self-defense cellular telephone case according to the present invention.

[0011] FIG. 2 illustrates another example embodiment of an article of manufacture for providing a self-defense cellular telephone case according to the present invention.

[0012] FIG. 3 illustrates yet another example embodiment of an article of manufacture for providing a self-defense cellular telephone case according to the present invention.

[0013] FIG. 4 illustrates example embodiments of add-on devices used with an article of manufacture for providing a self-defense cellular telephone case according to the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0014] Some embodiments of the present invention are described with specificity herein to meet statutory requirements. However, the scope of the invention is not intended to be defined by the description itself. The claimed subject matter may be embodied as to include different features, elements, components, steps, or combinations of steps, similar to those described herein, and in combination with other existing or future technologies. Moreover, although the term “step” might be used to connote different elements of the methods employed, this term should not be interpreted as implying any particular order among or between various steps herein disclosed unless and except the order of individual steps is explicitly described or required.

[0015] In general, the present disclosure relates to an article of manufacture for providing a personal protection device. To better understand the present invention, FIG. 1 illustrates an example embodiment for an article of manufacture for providing a self-defense cellular telephone case **100** according to the present invention. FIG. 1 shows a cell phone case **101** having one or more impact points **110-114** about its corners. These plurality of impact points **110-114** may be made of different materials, in different sizes, that may serve different self-defense functions. For example, these plurality of impact points **110-114** may include a large, sharp impact point **110**, a large, rounded impact point **112**, a small, rounded impact point **112** having a metal corner covering the case **113**, and an elongated spike impact point **114**.

[0016] The cell phone case **101** may also include an internal cord **103** having an external grip **102** on a first end and a stop device **103** on a second end. The internal cord **103** and stop device **104** are located within an internal shaft **105** running the length of the case **101**. When a user pulls downward on the external grip **102**, the internal cord **103** is pulled out of the internal shaft **105** with the stop device **104** moving the length of the internal shaft **105** until the stop device **104** engages the opening of the external shaft **105** in the case **101**. With the internal cord **103** extended, the case **101** with the weight of the cellphone included becomes a defensive device on a cord that the user may swing about him or herself to keep a potential attacker away. The

plurality of impact points **110-114** may also provide defensive value if a potential attacker is struck by one of them in addition to the case **101**. In an embodiment of a base model of the cell phone case **101**, a single impact point is affixed to the case along with the internal cord **103**.

[0017] The case **101** may be made of a hard plastic, metal, or any other solid material that both protects a cell phone within the case **101** as well as provides enough mass to make the case a self-defense device. The case **101** also may be made of a combination of materials to add both additional strength and weight to the case **101**. The internal cord **103** may be made of paracord, cable, rope, string, bungee, string, and elastic material among others. The internal cord **103** should be strong enough to allow the case **101** to be swung about as a weapon without breaking and light enough to slide easily within the internal shaft **105**. The internal shaft **105** consists of a solid slide tube having an internal stop at the opening out of the case. The solid tube may be a sleeve-like tube inserted within the case material and may, in an alternate embodiment, be a shaft through the case material. The stop device **104** may be a bead, a knot in the cord, or similar solid device that is small enough to fit within and slide the length of the internal shaft **105**, while being large enough to hold the case against the stop device **104** when it engages the internal stop at the opening of the internal shaft **105** in the case **101**. The external grip **102** may engage the case **101** about the opening to the internal shaft **105** that allows the grip to click into place when not in use while permitting it to easily disengage from the case when needed.

[0018] The plurality of impact points **110-114** may be of many shapes as disclosed herein. These impact points may provide a sharp point **110** that provides a pointed eye device. The impact point may provide large **111** and small **112** blunt striking devices. The impact points also may include a plurality of optional accessories such as the elongated spike **114** that is screwed into the case **101**. Such accessories also may include glass breaking devices and material cutting devices.

[0019] FIG. 2 illustrates another example embodiment of an article of manufacture for providing a self-defense cellular telephone case **200** according to the present invention. FIG. 2 shows a back side of a case **201** along a keyring **202** for the external grip that is attached to the internal cord **203** within the internal shaft **205**. The stop device **211** is shown as a sphere-like bead as compared to a cube or cylindrical device **104** as shown in FIG. 1. In this embodiment, the impact point **212** is shown on a side of the case about but not exactly at, a corner of the case **201**. These impact points **212** may be fixed or removable to allow different devices to be part of the case **201**.

[0020] The internal shaft **205** may be arranged or made to allow any user control buttons **221a-b** on the cell phone to protrude through the case **201** permitting them to be manipulated by a user. These user control buttons **221a-b** also may be thinly covered by case material rather than protrude through an opening in the case if the covering material is thin and flexible enough to permit the user to still manipulate the user control buttons **221a-b** while covered. Because of this need, the internal shaft **205** may be located on either side of the case **201** should a particular model of cell phone have fewer or no buttons on one side of the cell phone. The key ring **202** may, of course, be made in any shape or may be a similar device with other purposes.

[0021] FIG. 3 illustrates an example embodiment of an article of manufacture for providing a self-defense cellular telephone case **300** according to the present invention. FIG. 3 shows a back side of a case **301** along a keyring **302** for the external grip that is attached to the internal cord **303** and stop device **304** within the internal shaft **305**. In this embodiment, a removable impact point **310** is shown adjacent to and slightly above the case **301**. The removable impact point **310** has a plurality of attachment devices **311a-d** that engage a mating set of attachment devices **312s-e** on the outside edge of the case **301**. Each of the attachment mechanisms are sized and shaped to fit within the openings between the mating attachment devices on the corresponding device. In this embodiment, these mating attachment devices are shaped similar to a set of picatinny rail joints that permit two objects to be securely joined together in which the joint is shaped to hold the objects in place. A tightening screw is used to affix any attachments. Of course, one of ordinary skill may recognize that other attachment mechanisms may be used in place of these mating attachment devices **311a-d**, **312a-e**.

[0022] As with all of the embodiments disclosed herein, the case **301** has an internal cavity **321** that is sized and shaped to hold a particular cell phone. Versions of the case **301** may be required for each different model of cell phone from various manufacturers to permit the internal cavity **321** to match the external dimensions of the particular cell phone.

[0023] FIG. 4 illustrates example embodiments of add-on devices used with an article of manufacture for providing a self-defense cellular telephone case according to the present invention. FIG. 4 shows five different impact points **401-405**, each having a different shape and function. All of these impact points **401-405** include attachment devices **412a-d**, **422a-d**, **432a-d**, **442a-d**, **452a-d** that may mate with matching attachment devices **312a-e** as shown in FIG. 3.

[0024] The first embodiment of an impact point **401** has a pair of pointed spikes **411a-b** that are made of hard plastic. This impact point **401** may inflict harm upon a potential attacker when the case **301** is used as a weapon. The impact point **401** connects to a case **301** using attachment devices **412a-d** coupling with mating attachment devices **312a-e**.

[0025] The second embodiment of an impact point **402** consists of a plurality of smaller, rounded impact points **421a-c**. The impact point **402** is made of hard plastic over metal. The impact point **402** connects to a case **301** using attachment devices **422a-d** coupling with mating attachment devices **312a-e**.

[0026] The third embodiment of an impact point **403** consists of a single large, rounded impact point **431**. The impact point **402** is made of hard plastic over metal. The impact point **402** connects to a case **301** using attachment devices **432a-d** coupling with mating attachment devices **312a-e**.

[0027] The fourth embodiment of an impact point **404** consists of a single, web-cutting sharp blade impact point **441**. The impact point **404** is made of hard plastic over metal. The impact point **404** connects to a case **301** using attachment devices **442a-d** coupling with mating attachment devices **312a-e**.

[0028] The fifth embodiment of an impact point **405** consists of a large, single pointed spike impact point **451**. The impact point **405** is made of hard plastic over metal and has a carbine tip for breaking glass. The impact point **405**

connects to a case **301** using attachment devices **452a-d** coupling with mating attachment devices **312a-e**.

[0029] Embodiments of the present invention have been described, as required by statute, to be illustrative, but should not be interpreted to be restrictive. One having skill in the art will recognize that many different arrangements of the various components depicted are possible without departing from the scope of the claims below, as well as arrangements including components not explicitly shown.

[0030] One having skill in the art will understand that certain combinations and/or sub-combinations of elements and features are of utility and may be employed without reference to other combinations and/or sub-combinations and are contemplated within the scope of the claims. Not all steps listed in the various figures need be carried out in the specific order described.

What is claimed is:

1. A self-defense cellular telephone case comprising: a cell phone case having one or more impact points and an internal shaft; and an internal cord housed in the internal shaft, the internal cord having an external grip.
2. The self-defense cellular telephone case of independent claim **1**, wherein: at least one of the one or more impact points in located at a corner of the cell phone case.
3. The self-defense cellular telephone case of independent claim **1**, wherein: at least one of the one or more impact points in located at a side of the cell phone case.
4. The self-defense cellular telephone case of independent claim **1**, wherein:

at least one of the one or more impact points comprises a large, sharp impact point.

5. The self-defense cellular telephone case of independent claim **1**, wherein:

at least one of the one or more impact points comprises a large, rounded impact point.

6. The self-defense cellular telephone case of independent claim **1**, wherein:

at least one of the one or more impact points comprises a small, rounded impact point having a metal corner covering the cell phone case.

7. The self-defense cellular telephone case of independent claim **1**, wherein:

at least one of the one or more impact points comprises an elongate, spike impact point.

8. The self-defense cellular telephone case of independent claim **1**, wherein:

at least one of the one or more impact points comprises of a single, web-cutting sharp blade.

9. The self-defense cellular telephone case of independent claim **1**, wherein:

the internal chord comprises at least one of paracord, cable, rope, string, bungee, string, and elastic material.

10. The self-defense cellular telephone case of independent claim **1**, wherein:

the external grip comprises a keyring.

11. The self-defense cellular telephone case of independent claim **1**, wherein:

at least one of the one or more impact points is removably attached to the cell phone case.

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