

SCORE Placeholder Sheet for IFW Content

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Interposable Magnetically Coupled Devices

CROSS REFERENCES TO RELATED APPLICATIONS

[0001] This application is related to U.S. Patent Application No. 14/288,243, entitled “LOW PROFILE MAGNETIC MOUNT FOR ELECTRONIC DISPLAY DEVICES,” filed May 27, 2014, and to U.S. Patent Application No. 15/059,163, entitled “SELF-ALIGNING, MULTI-SURFACE MAGNETIC MOUNT FOR ELECTRONIC DISPLAY DEVICES,” filed March 2, 2016 the disclosures of each which are incorporated herein by reference in its entirety for all purposes.

BACKGROUND

[0002] Cell phones are an essential part of many people’s lives and frequently carried by people throughout the day. Cell phones can provide navigation, entertainment, and function as a camera in addition to their primary purpose as a telecommunications device. Like cell phones, wallets are an integral part of daily life. Wallets come in a variety of sizes and configurations for organizing and securing credit cards, cash, checks, identification, photos, and other possessions.

[0003] A cell phone and wallet are the two important items that people carry with them throughout their day. These items can get buried in one’s purse, fall between the seats of a vehicle, and otherwise become displaced. When driving, it is important to have a cell phone at the ready in case navigation is required without having to search for it. Also it is sometimes necessary to have one’s wallet close by to pay tolls or swipe a badge to enter a parking garage. A need exists to better arrange one’s cell phone and wallet, especially when driving.

SUMMARY

The embodiments described herein relate generally to the field of electronic display device accessories and mounts, and more specifically, to a mounting system that can be used to easily mount and unmount electronic display devices and wallets to each other and to various surfaces. In particular, the embodiments described herein are suitable for rapidly mounting and unmounting electronic display devices and wallets, and well as magnetically connecting together electronic display devices and wallets.

[0004] The mounting system can include a surface-side attachment affixed to a surface including a nonmagnetic surface and device-side attachment coupled to the electronic display device as described in U.S. Patent Publication 2016-0260532, which is incorporated herein by reference in its entirety for all purposes. While it is recognized that the surface-side attachment can be affixed to a ferromagnetic surface, the present mounting system is especially suitable for nonmagnetic surfaces. In one implementation, a plurality of magnets is embedded within the surface-side attachment. Alternatively, a plurality of magnets may be directly attached to the nonmagnetic surface that is covered by a protective housing. In another implementation, the surface-side attachment is integrated into the nonmagnetic surface during its manufacture.

BRIEF DESCRIPTION OF THE DRAWINGS

[0005] FIG. 1 is a perspective view of a wallet with extended loop, according to an embodiment.

[0006] FIG. 2 is a perspective view of a wallet with retracted loop, according to an embodiment.

[0007] FIG. 3 is an perspective, exploded view of a wallet, according to an embodiment.

[0008] FIG. 4 is an exploded, perspective view of a wallet including exemplary materials of construction, according to an embodiment.

[0009] FIG. 5 is a perspective view of a partially assembled wallet including a detail of exemplary materials of construction, according to an embodiment.

[0010] FIGS. 6 and 7 are perspective, hidden views of a wallet including placement of magnets therein, according to embodiments.

[0011] FIGS. 8A and 8B are views of a back portion and front portion of wallet , according to an embodiments.

[0012] FIG. 9 is a view of a user holding a wallet, according to an embodiment.

[0013] FIG. 10 is a perspective view of a wallet attached to an electronic display device case, according to an embodiment.

[0014] FIG. 11 is an exploded view of an electronic display device case, a wallet, and a magnetic surface-side attachment, according to an embodiment.

[0015] FIG. 12 is a view of a wallet interposed between an electronic display device case and a magnetic surface-side attachment, according to an embodiment.

[0016] FIG. 13 is a cross-sectional view of a wallet, an electronic display device case, a wallet, and a magnetic surface-side attachment, according to an embodiment.

[0017] FIGS. 14A and 14B are views of a back portion of wallet attached to an electronic display device case, according to an embodiments.

[0018] FIGS. 15A and 15B are views of a front portion an electronic display device case including electronic display device case magnets, according to an embodiments.

[0019] FIGS. 16A and 16B are hidden views of a back portion of wallet attached to an electronic display device case showing exemplary positions of electronic display device case magnets, according to an embodiments.

[0020] FIGS. 17A and 17B are views of a back portion of wallet attached to an electronic display device case, according to an embodiments.

[0021] FIG. 18 is a perspective view of a wallet interposed between an electronic display device case and a magnetic surface-side attachment, according to an embodiment.

[0022] FIG. 19 is a perspective view of a charging device, according to an embodiment.

[0023] FIG. 20 is a side view of a charging device with extended loop, according to an embodiment.

[0024] FIG. 21 is a perspective view of a charging device including power port, according to an embodiment.

[0025] FIG. 22 is an exploded, perspective view of an electronic display device case, a charging device, and a magnetic surface-side attachment attached to a vehicle dash, according to an embodiment.

[0026] FIG. 23 is an perspective view of an electronic display device case, a charging device, and a magnetic surface-side attachment attached to a vehicle dash, according to an embodiment.

[0027] FIG. 24 is a view of a user holding a wallet using the loop, according to an embodiment.

[0028] FIGS. 25-28 are perspective views of a wallet functioning as a kickstand, according to embodiments.

[0029] FIGS. 29-32 are perspective views of a wallet functioning as an adjustable kickstand, according to embodiments.

DETAILED DESCRIPTION

[0030] All definitions, as defined and used herein, should be understood to control over dictionary definitions, definitions in documents incorporated by reference, and/or ordinary meanings of the defined terms.

[0031] The indefinite articles “a” and “an,” as used herein in the specification and in the claims, unless clearly indicated to the contrary, should be understood to mean “at least one.”

[0032] The phrase “and/or,” as used herein in the specification and in the claims, should be understood to mean “either or both” of the elements so conjoined, i.e., elements that are conjunctively present in some cases and disjunctively present in other cases. Multiple elements listed with “and/or” should be construed in the same fashion, i.e., “one or more” of the elements so conjoined. Other elements may optionally be present other than the elements specifically identified by the “and/or” clause, whether related or unrelated to those elements specifically identified. Thus, as a non-limiting example, a reference to “A and/or B”, when used in conjunction with open-ended language such as “comprising” can refer, in one embodiment, to A only (optionally including elements other than B); in another embodiment, to B only (optionally including elements other than A); in yet another embodiment, to both A and B (optionally including other elements); etc.

[0033] As used herein in the specification and in the claims, “or” should be understood to have the same meaning as “and/or” as defined above. For example, when separating items in a list, “or” or “and/or” shall be interpreted as being inclusive, i.e., the inclusion of at least one, but also including more than one, of a number or list of elements, and, optionally, additional unlisted items. Only terms clearly indicated to the contrary, such as “only one of” or “exactly one of,” or, when used in the claims, “consisting of,” will refer to the inclusion of exactly one element of a number or list of elements. In general, the term “or” as used herein shall only be interpreted as indicating exclusive alternatives (i.e. “one or the other but not both”) when preceded by terms of exclusivity, such as “either,” “one of,” “only one of,” or “exactly one of.” “Consisting essentially of,” when used in the claims, shall have its ordinary meaning as used in the field of patent law.

[0034] As used herein in the specification and in the claims, the phrase “at least one,” in reference to a list of one or more elements, should be understood to mean at least one element selected from any one or more of the elements in the list of elements, but not necessarily

including at least one of each and every element specifically listed within the list of elements and not excluding any combinations of elements in the list of elements. This definition also allows that elements may optionally be present other than the elements specifically identified within the list of elements to which the phrase “at least one” refers, whether related or unrelated to those elements specifically identified. Thus, as a non-limiting example, “at least one of A and B” (or, equivalently, “at least one of A or B,” or, equivalently “at least one of A and/or B”) can refer, in one embodiment, to at least one, optionally including more than one, A, with no B present (and optionally including elements other than B); in another embodiment, to at least one, optionally including more than one, B, with no A present (and optionally including elements other than A); in yet another embodiment, to at least one, optionally including more than one, A, and at least one, optionally including more than one, B (and optionally including other elements); etc.

[0035] In the claims, as well as in the specification above, all transitional phrases such as “comprising,” “including,” “carrying,” “having,” “containing,” “involving,” “holding,” “composed of,” and the like are to be understood to be open-ended, i.e., to mean including but not limited to. Only the transitional phrases “consisting of” and “consisting essentially of” shall be closed or semi-closed transitional phrases, respectively, as set forth in the United States Patent Office Manual of Patent Examining Procedures, Section 2111.03.

[0036] As used herein in the specification and in the claims, an “electronic display device” should be understood to mean any electronic device or any display device including cell phones, computer tablets, phablets, electronic organizers, personal digital assistant, navigation devices (GPS), radar detectors, garage door openers, remote controls, wireless microphones and/or speakers, cameras, video recorders, music players, controllers and microcomputers. While the mounting system described herein is intended for electronic display devices, it should be understood that the mounting system is suitable for any object of similar size and dimensions as an electronic display device.

[0037] As used herein in the specification and in the claims, a “wallet” should be understood to mean any apparatus for holding at least one of a credit card, cash, identification, a check, a badge, a picture, a key, a piece of paper, a coupon, business cards, and combinations thereof. While the wallet described herein is intended for containing the aforementioned items, it should be understood that a wallet is also suitable for containing any objects of similar size and dimensions as these items. While the wallet’s contents are

generally described as credit cards, it should be understood that a wallet can carry any number of the

[0038] As used herein in the specification and in the claims, “outward” or “outwardly,” should be understood to mean facing away from of an object or surface, rather than facing toward an object or surface to which it is affixed. The outward faces of the attachments are designed to couple to each other and can have complementary physical features which interact with each other. When the device-side attachment is mounted to the surface-side attachment, the outward face of the surface-side attachment is coupled to the outward face of device-side attachment.

[0039] As used herein in the specification and in the claims, “front” and “back,” should be understood to mean facing away toward or away from a user during interaction with the object. For example, the a wallet may be held in a person’s hand with a finger extended through the loop or finger strap, which is on the back side of the wallet, and the front side of the wallet faces the user.

[0040] Each embodiment in this specification is to be applied *mutatis mutandis* to every other embodiment unless expressly stated otherwise.

[0041] In some embodiments, a wallet is magnetically coupleable to a case configured to contain an electronic display device is described herein. In some embodiments, a wallet is magnetically coupleable to a magnetic mount configured to attach to a surface is described herein. In some embodiments, a wallet is interposable between electronic display device and a magnetic surface mount is described herein.

[0042] FIG. 1 is a perspective view of a wallet 100 with loop (finger strap) 115 in an extended position, according to an embodiment. Wallet 100 includes a back portion 110, left portion 130, top portion 150, and a bottom portion 160. Loop 115, also referred to as a finger strap, is show in an extended position with a portion of a plurality of credit cards 10 visible through loop slot 116. Loop 115 provides a user with a secure grip on wallet 100.

[0043] In some embodiments, a Wallet 100 holds a plurality of credit cards 10 in an amount from 1 to 8 credit cards, in an amount of at least 2 credit cards, in an amount of at least 5 credit cards, in an amount from 3 to 10 credit cards, in an amount from 2 to 8 credit cards, in

an amount from 3 to 8 credit cards, in an amount from 4 to 8 credit cards, and/or in an amount from 3 to 8 credit cards.

[0044] In some embodiments, a Wallet 100 has overall dimensions of 70 mm wide x 90 mm tall, and 4 mm to 10 mm thick depending on credit cards 10 contained therein.

[0045] FIG. 2 is a perspective view of a wallet 100 with loop 115 in a retracted position, according to an embodiment. Loop 115 flattens to fit within loop slot 116. In some embodiments, loop slot 116 allows the loop 115 to flatten within loop slot 116 such that loop 115 is substantially flush with back portion 110 forming a substantially planer configuration. In some embodiments, loop slot 116 allows only a first portion of loop 115 to flatten within loop slot 116 such that a second portion of loop 115 protrudes from a plane defined by the back portion 110.

[0046] FIG. 3 is an perspective, exploded view of a wallet 100, according to an embodiment. Wallet 100 includes a back support 112 and a front support 122. Back support 112 and front support 122 can provide stiffness and rigidity to wallet 100. Back support 112 and front support 122 can also provide a substrate for attaching back-side magnets 119, and front-side bottom magnets 128 and front-side top magnets 129. Back shield 113 and front shield 123 protect magnetically sensitive credit cards from exposure to the magnetic fields created by back-side magnets 119, front-side bottom magnets 128, and front-side top magnets 129. Exemplary configurations of back-side magnets 119, front-side bottom magnets 128, and front-side top magnets 129 are disclosed in U.S. Publication No. 2016-0260532, and in particular the disclosure of the device-side attachments that provide self-alignment with surface-side attachments. To assemble wallet 100, back portion 110 and front portion 120 are folded about an axis to form a compartment for storing credit cards 10. An optional divider 125 separates a one compartment into two compartments. In some embodiments, wallet 100 includes one or more dividers. A divider is a useful means to separate the credit cards from the cash bills and other contents of the wallet 100.

[0047] FIG. 4 is an exploded, perspective view of a wallet 100 including exemplary materials of construction, according to an embodiment. Divider 125 can be made from materials such as plastic, cardboard, paper, metal, composites, laminations, and combinations thereof. Back shield 113 and front shield 123 can be made from magnetic field blocking materials including metal, foil coated plastic, foil coated cardboard, carbon filled composites, and combinations

thereof. Back support 112 and front support 122 can be made from materials such as plastic, cardboard, paper, metal, composites, laminations, and combinations thereof. Back portion 110 and front portion 120 can be made from a single substrate and folded together, or in other embodiments, back portion 110 and front portion 120 can be made from two or more pieces and joined together. Back portion 110 and front portion 120 can be made from materials such as plastic, leather, composites, laminations, fabric, synthetic material, and combinations thereof.

[0048] FIG. 5 is a perspective view of a partially assembled wallet 100 including a detail of exemplary materials of construction, according to an embodiment. Components can be bonded together with adhesive.

[0049] FIGS. 6 and 7 are perspective, hidden views of a wallet 100 including placement of magnets therein, according to embodiments. In FIG. 6, the back portion 110 is facing upwards, while in FIG. 7, the front portion 120 is facing upwards. In these embodiments, only the front side includes magnets. In other embodiments, both the front side and the back side include magnets.

[0050] FIGS. 8A and 8B are views of a back portion and front portion of wallet , according to an embodiments. Wallet 100 includes a content removal slot 126 that facilitates the removal of credit cards 10. A user can place their finger through the content removal slot 126 and slide credit cards 10 through the top portion 150 of wallet 100. Content removal slot 126 also provides a window into the compartment of wallet 100 for visually inspecting its contents.

[0051] FIG. 9 is a view of a user holding a wallet 100, according to an embodiment. Wallet 100 can hold a plurality of credit cards 10 in a compartment formed between front portion 120, back portion 110, bottom portion 160, top portion 150, left portion 130 and right portion 140.

[0052] FIG. 10 is a perspective view of a wallet 100 attached to an electronic display device case 200, according to an embodiment. The front portion 120 of wallet 100 is temporarily affixed to the back side of electronic display device case 200 by magnetic attraction between the magnets embedded in the wallet 100 and the magnets embed in the electronic display device case 200. Loop 115 allows a user to securely grip the wallet 100, which in turn also provides a secure grip on the electronic display device case 200. In this manner, loop 115 is

removable from the back side of the electronic display device case 200 when wallet 100 is detached from the electronic display device case 200. Wallet 100 provides the added functionality of a convenient, removable grip that allows a user to easily use electronic display device 250. Loop 115 (along with wallet 100), are quickly and easily removed for wirelessly charging electronic display device 250. After wirelessly charging, Loop 115 (along with wallet 100), are quickly and easily attached to the electronic display device case 200.

[0053] In these embodiments, wallet 100 is configured and designed to that it can be used while attached to the electronic display device case 200.

[0054] FIG. 11 is an exploded view of an electronic display device case 200, a wallet 100, and a magnetic surface-side attachment 300, according to an embodiment. The back side magnets 119 are configured to magnetically align and attach to surface-side attachment 300. The front-side top magnets 129 and front-side bottom magnets 128, in turn, are configured to magnetically align and attach to electronic display device case 200.

[0055] FIG. 12 is a view of a wallet 100 interposed between an electronic display device case 200 and a magnetic surface-side attachment 300, according to an embodiment. In this manner, a single surface-side attachment 300 is able to securely hold both a wallet and an electronic display device case 200 (with electronic display device therein) at the same time.

[0056] FIG. 13 is a cross-sectional view of an electronic display device case 200, a wallet, and a magnetic surface-side attachment 300, according to an embodiment. Electronic display device case 200 is bisected by line AA, and the relative positions of electronic display device case magnets (device-side attachments) 210 that are embedded within the electronic display device case 200. The cross-sectional view of wallet 100 also shows back-side magnets 119, front-side bottom magnets 128, and front-side top magnets 129 embedded within the back portion 110 and front portion 120, respectively.

[0057] FIGS. 14A and 14B are views of a back portion 110 of wallet 100 attached to an electronic display device case 200, according to an embodiments.

[0058] FIGS. 15A and 15B are views of a front portion 120 an electronic display device case 200 including electronic display device case magnets (device-side attachments) 210, according to an embodiments.

[0059] FIGS. 16A and 16B are hidden views of a back portion 110 of wallet 100 attached to an electronic display device case 200 showing exemplary positions of electronic display device case magnets (device-side attachments) 210, according to an embodiment.

[0060] FIGS. 17A and 17B are views of a back portion 110 of wallet 100 attached to an electronic display device case 200, according to an embodiment.

[0061] FIG. 18 is a perspective view of a wallet 100 interposed between an electronic display device case 200 and a magnetic surface-side attachment 300, according to an embodiment. In this embodiment, the surface-side attachment 300 is affixed to a vehicle dash or dashboard 400. In this manner, an electronic display device 250 and wallet 100 are at an arm's reach for a driver of the vehicle. Another advantage is that a single surface-side attachment 300 can be used to mount two items (ie. a cell phone and wallet). In some embodiments, the electronic display device 250 mounted to wallet 100 is in a portrait orientation. In some embodiments, the electronic display device 250 mounted to wallet 100 is in a landscape orientation.

[0062] FIG. 19 is a perspective view of a charging device 500, according to an embodiment. Charging device 500 can have a configuration similar to wallet 100 meaning that it can have similar physical dimensions as well as the placement of the front-side bottom magnets 528, front-side top magnets 529, and back-side magnets 519. Charging device 500 can be a wireless charging device that transmits energy through an electronic display device case 200 and into electronic display device 250 to recharge its battery. Charging device 500 can be a battery pack that wirelessly transmits energy through an electronic display device case 200 and into electronic display device 250 to recharge its battery. In some embodiments, charging device 500 is a battery pack only. In some embodiments, charging device 500 is wireless charging device only. In some embodiments, charging device 500 is both a battery pack and a wireless charging device together.

[0063] FIG. 20 is a side view of a charging device 500 with loop 515 shown in an extended position, according to an embodiment.

[0064] FIG. 21 is a perspective view of a charging device 500 including power port 511, according to an embodiment. Charging device 500 can be externally powered through power port 511. For example, power port 511 can be a USB connector that receive a cable that electrically couples charging device 500 to a power supply such as a vehicle battery or power outlet.

[0065] In other embodiments, charging device 500 can be a battery pack that transfers an electrical charge to an electronic display device 250 through a cable connected to power port 511. In this manner, the charging device 500 has a wired connection to electrically charge the electronic display device 250.

[0066] FIG. 22 is an exploded, perspective view of an electronic display device case 200, a charging device 500, and a magnetic surface-side attachment 300 attached to a vehicle dashboard 400, according to an embodiment. Charging device 500 is magnetically coupled to the back side of electronic display device case 200 and wirelessly charges electronic display device 250. Power cable 512 is attached to power port 511. In embodiments, power cable 512 electrically couples charging device 500 to a power source. In embodiments, power cable 512 electrically couples charging device 500 to an electronic display device 250. The concentric circles shown on charging device 500 represents a wireless charging pad, according to some embodiments.

[0067] FIG. 23 is an perspective view of a charging device 500 interposed between an electronic display device case 200 and a magnetic surface-side attachment 300 that is affixed to a vehicle dashboard 400, according to an embodiment. It should be noted and appreciated that one or more charging devices 500 and/or wallets can be interposed between an electronic display device case 200 and a magnetic surface-side attachment 300. In this manner, multiple devices can be stacked one on top of each other.

[0068] FIG. 24 is a view of a user holding a wallet 100 using the loop 115, according to an embodiment. Wallet 100 contains a plurality of credit cards 10 and is magnetically attracted to one or more device-side attachments directly adhered to an electronic display device 250. In this embodiment, no electronic display case is used.

[0069] FIGS. 25-28 are perspective views of a wallet 100 functioning as a kickstand to prop up electronic display device case 200, according to embodiments. The front-side top magnets 129 are attracted and coupled to electronic display device case magnets 210, however, front-side bottom magnets 128 are positioned a distance apart from the electronic display device case 200. In this manner, the wallet 100 form an upside down “V” shape with the electronic display device case 200 and functions as a kickstand. The friction between the bottom of electronic display device case 200 and a horizontal surface, and the bottom portion 160 of wallet 100 and a horizontal surface help retain the kickstand configuration. Charging device

500 has similar functionality to wallet 100 and can function as a kickstand. In some embodiments, charging device 500 is a battery pack and functions as a kickstand.

[0070] In FIG. 25, an electronic display device case 200 is in a portrait configuration. In FIGS. 26 and 27, an electronic display device case 200 is in a landscape configuration. FIG. 28 is a picture of an electronic display device case 200 is in a portrait configuration on a horizontal surface 600.

[0071] FIGS. 29-32 are perspective views of a wallet 100 functioning as an adjustable kickstand to prop up electronic display device case 200, according to embodiments., according to embodiments. In these embodiments, the wallet 100 is inverted such that a bottom portion 160 of wallet 100 is attracted and coupled to electronic display device case magnets (device-side attachments) 210. A plurality of credit cards 10 can be extended through a top portion 150 of wallet 100 to adjust an angle Θ to position electronic display device case 200 in closer to a vertical orientation. The top portion 150 of wallet 100 has sufficient friction to grip a plurality of credit cards 10 and hold them in a partially extended position.

[0072] An electronic display device 250 can include a plurality of electric display case magnets (device-side attachments) 210 coupled to the electronic display device case 200 or directly to the electronic display device without using a protective case. The electronic display device 250 can be, for example, cellphone, a tablet computer, a smartphone, a television, or an LCD display. In some embodiments, the electronic display device 400 can be an Apple iPad or iPhone, an Android smartphone, or eBook reader.

[0073] Magnets for the surface-side attachment 300, wallet 100, charging device 500, electronic display device case magnets (device-side attachments) 210, and any other accessory configured to attach to these devices are preferably made out of rare earth metals including alloys of neodymium or samarium-cobalt. Rare earth magnets are selected based on their strongly magnetic properties that include a higher maximum energy product (related to magnetic flux per unit volume) than other types of magnets including ferrite and alnico magnets. Neodymium magnets of grade N48 and higher are preferred, and neodymium magnets of grade N52 and higher are more preferred.

[0074] Magnets can generally be uniform or different in shape, size, magnetic and/or other properties within surface-side attachment 300 , wallet 100, charging device 500, electronic display device case magnets (device-side attachments) 210, and any other accessory configured to attach to these devices. While these magnets can be somewhat different in shape, size, magnetic and/or other properties, it is preferred that when mounted, each magnet is uniform in shape, size, magnetic and/or other properties to its complementary magnet.

[0075] The magnets for the surface-side attachment 300 , wallet 100, charging device 500, electronic display device case magnets (device-side attachments) 210, and any other accessory configured to attach to these device are arranged to be self-aligning during mounting. The magnets are arranged so that when the attachments are coupled together during mounting, at least one magnet with an outwardly-facing north pole is attracted to a corresponding magnet with an outwardly-facing south pole, and vice versa.

[0076] While various embodiments have been described above, it should be understood that they have been presented by way of example only, and not limitation. For example, wallet 100 and charging device 500 could be any accessory including a combination of a wallet and a batter pack. Also for example, the surface-side attachment 300 can be attached to any surface such as a wall, computer monitor, inside a backpack, vehicle headrest, refrigerator, ect., not just a vehicle dashboard 400. Where methods described above indicate certain events occurring in certain order, the ordering of certain events may be modified. Additionally, certain of the events may be performed concurrently in a parallel process when possible, as well as performed sequentially as described above.

Where schematics and/or embodiments described above indicate certain components arranged in certain orientations or positions, the arrangement of components may be modified. While the embodiments have been particularly shown and described, it will be understood that various changes in form and details may be made. Any portion of the apparatus and/or methods described herein may be combined in any combination, except mutually exclusive combinations. The embodiments described herein can include various combinations and/or sub-combinations of the functions, components, and/or features of the different embodiments described.

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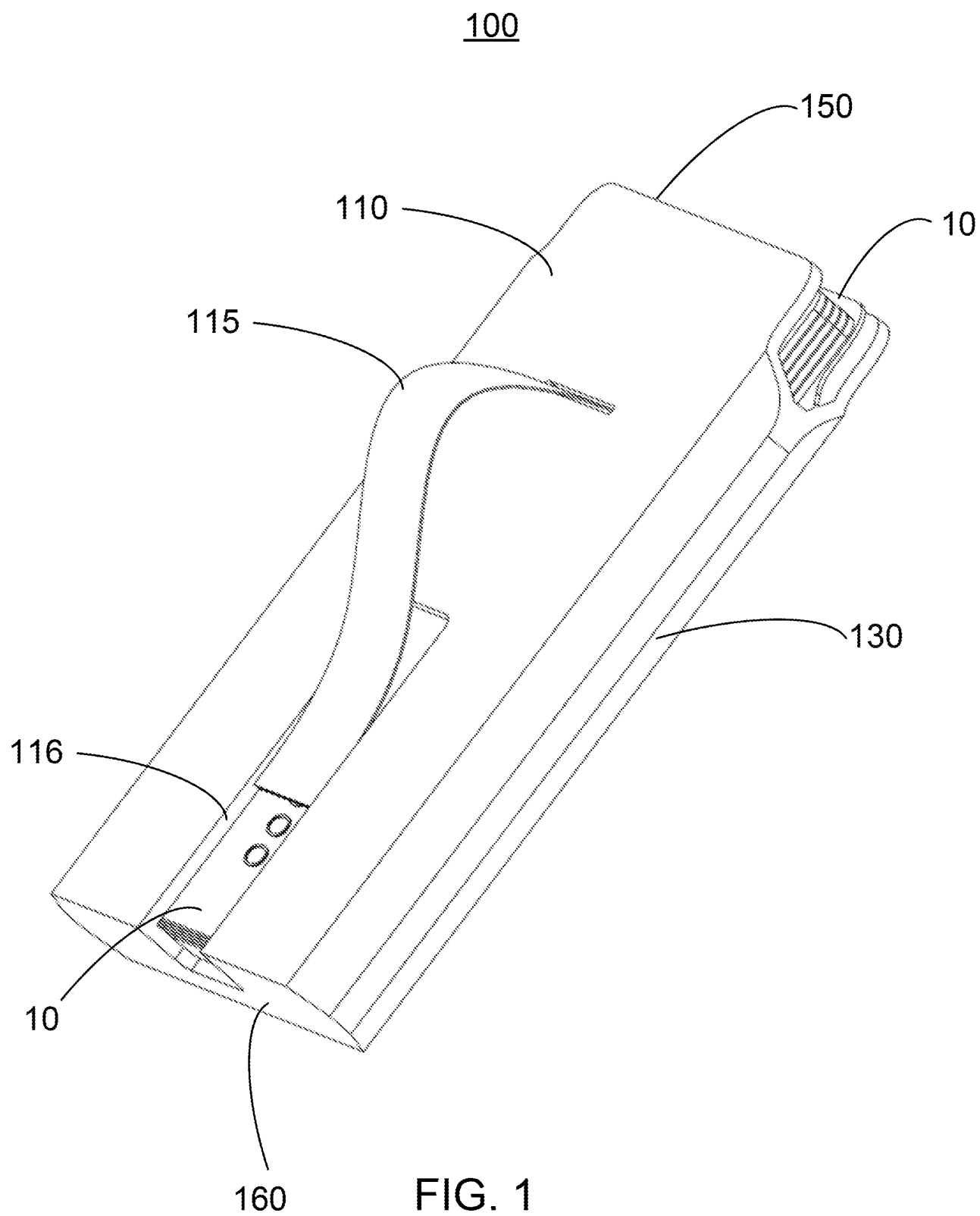


FIG. 1

100

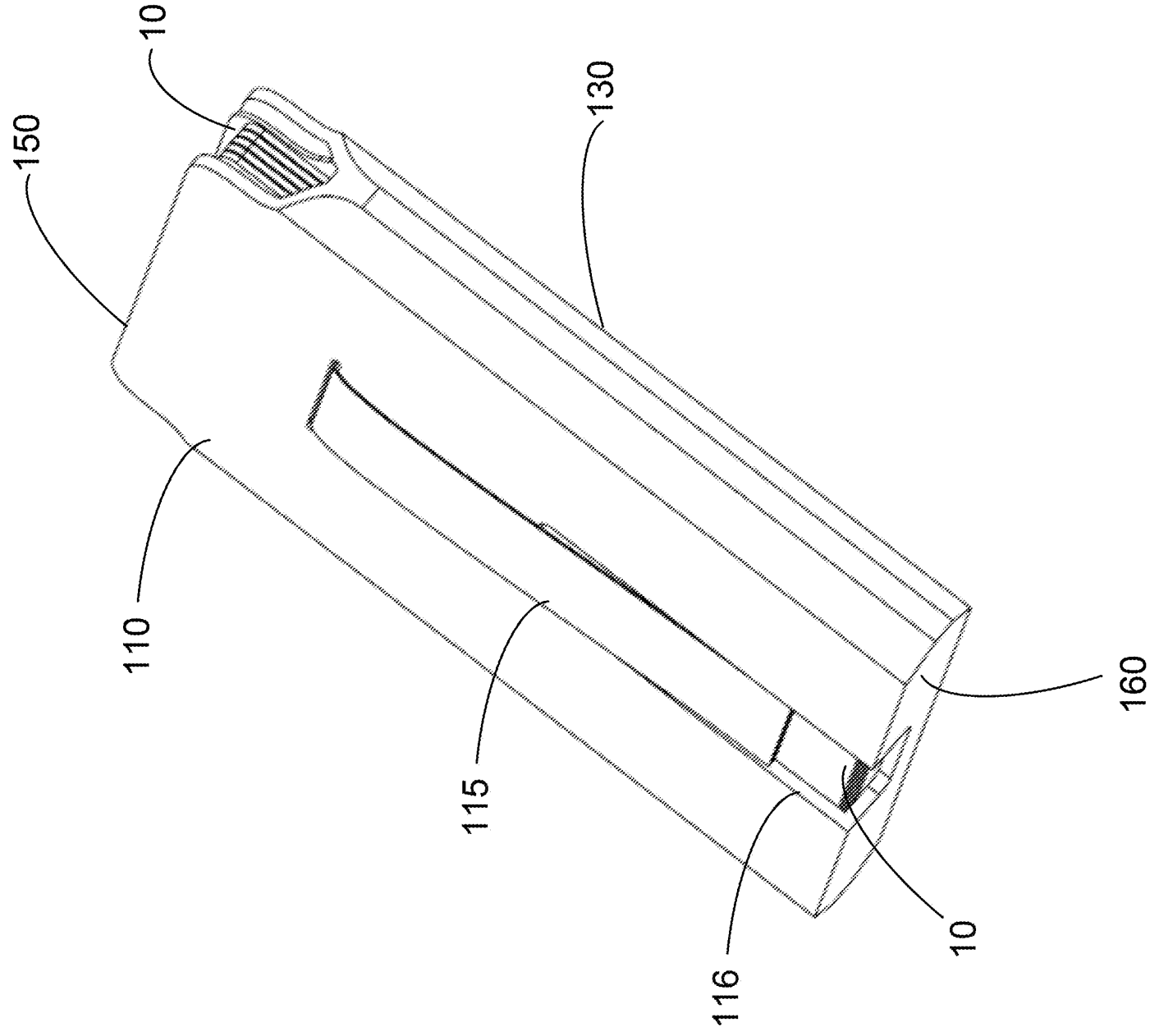


FIG. 2

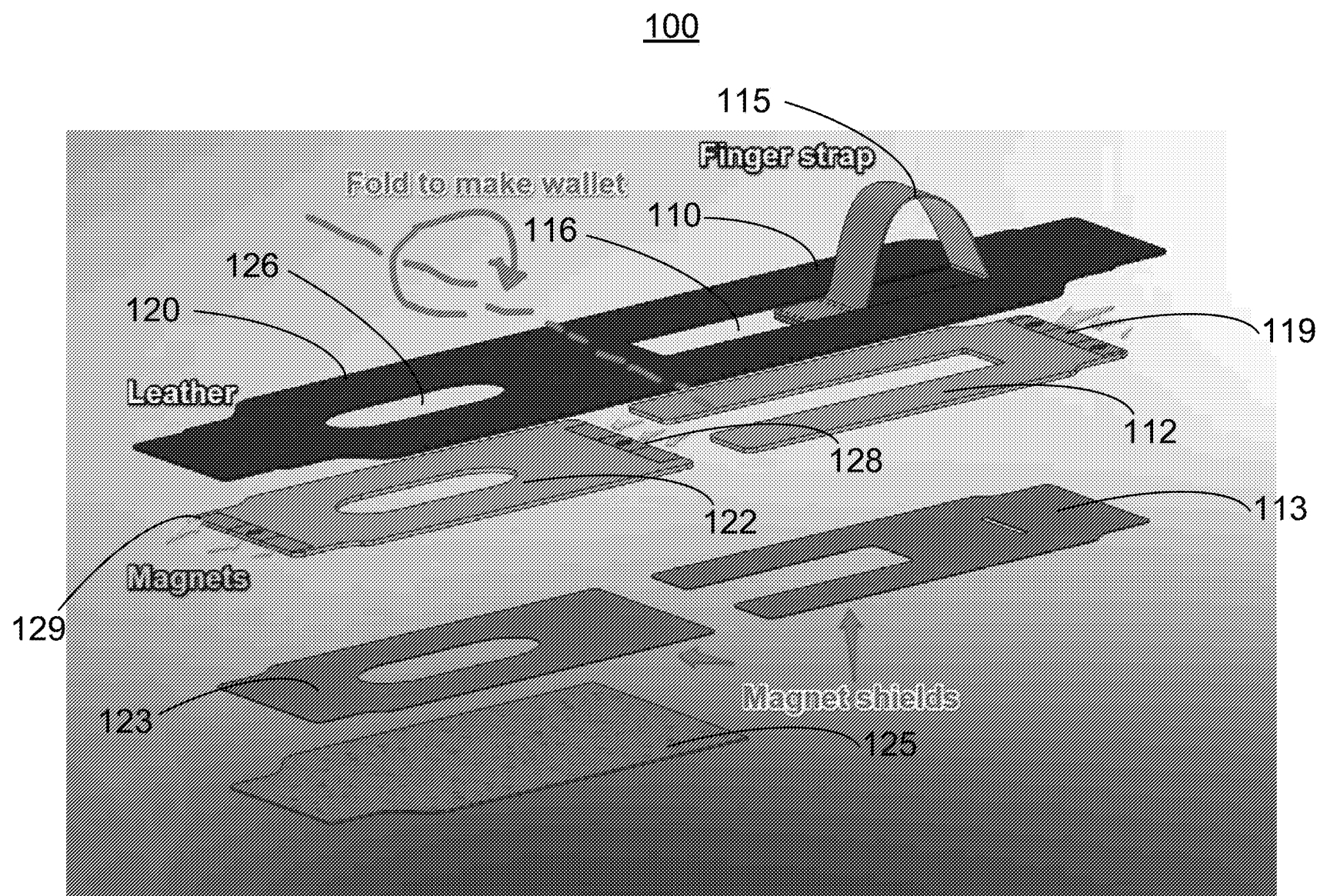


FIG. 3

100

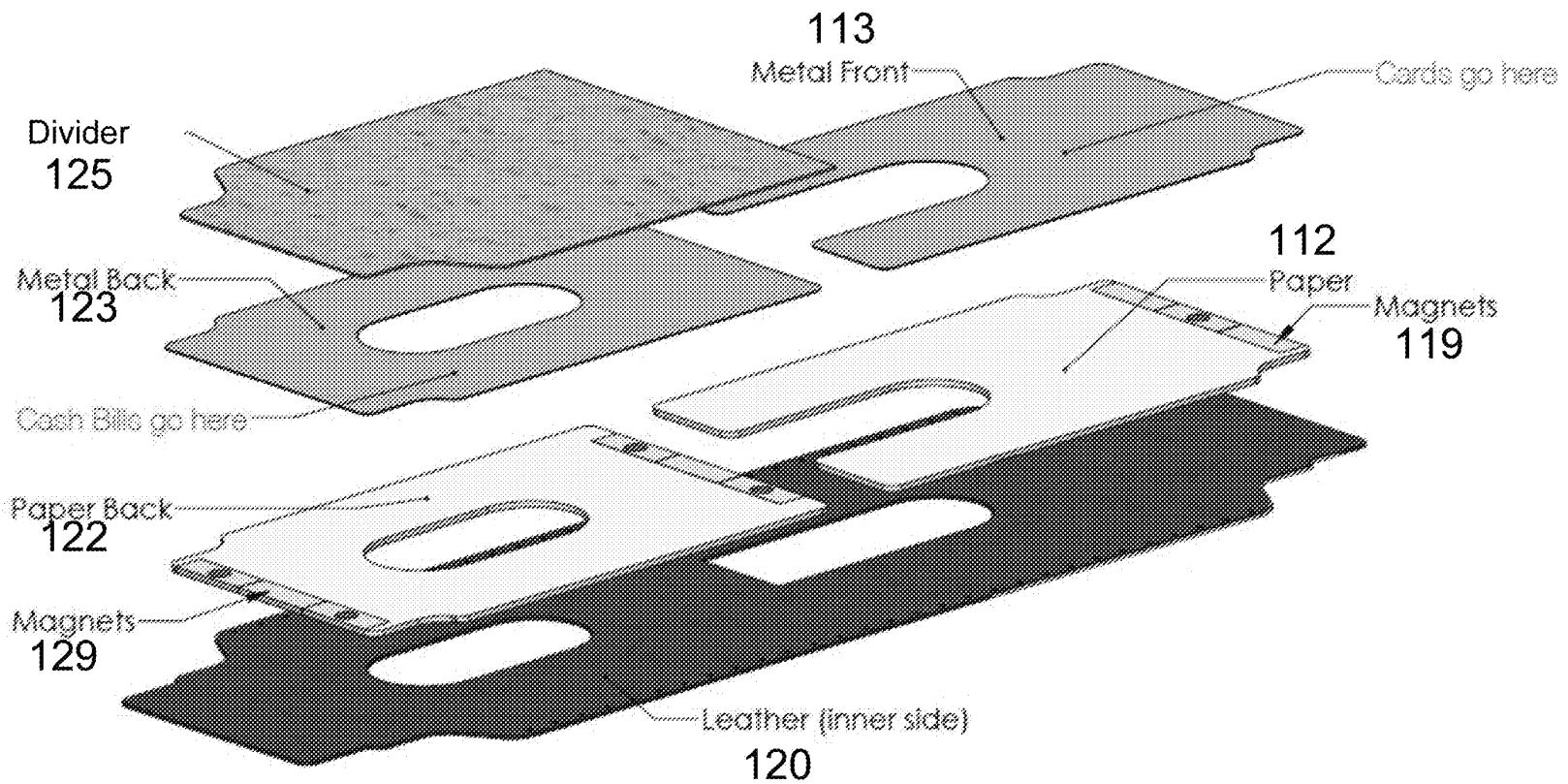


FIG. 4

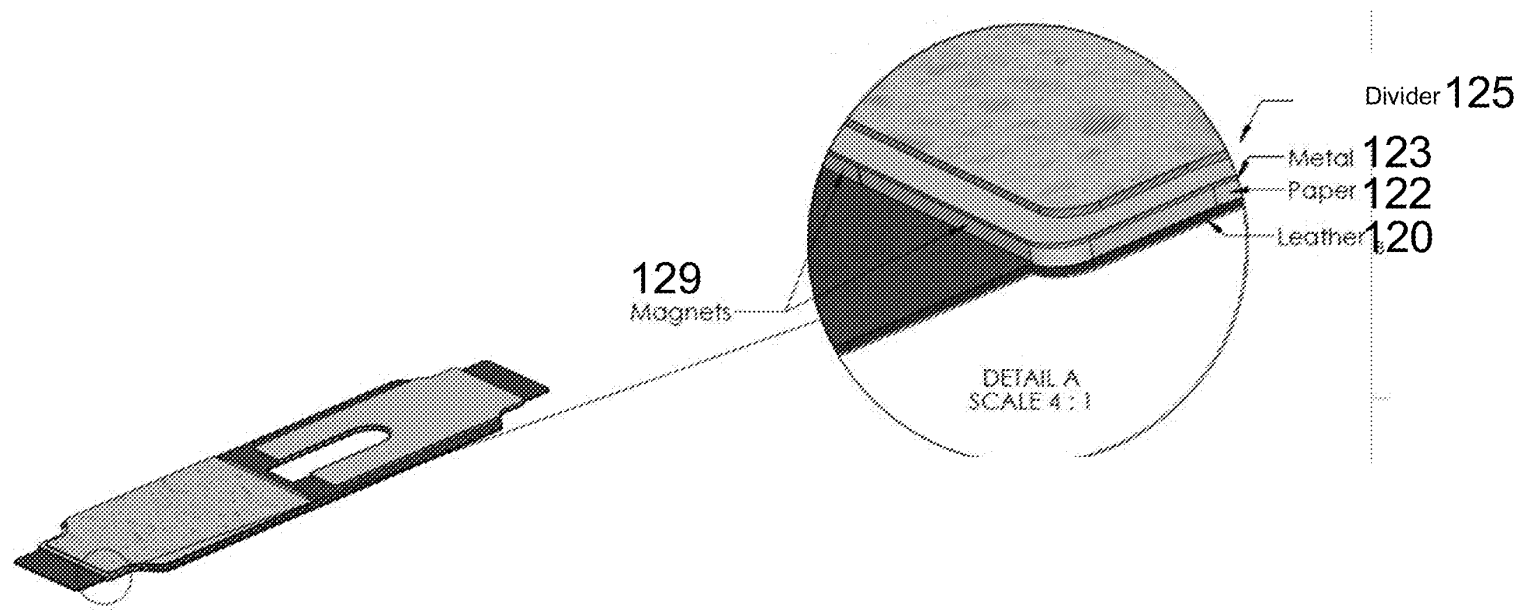


FIG. 5

100

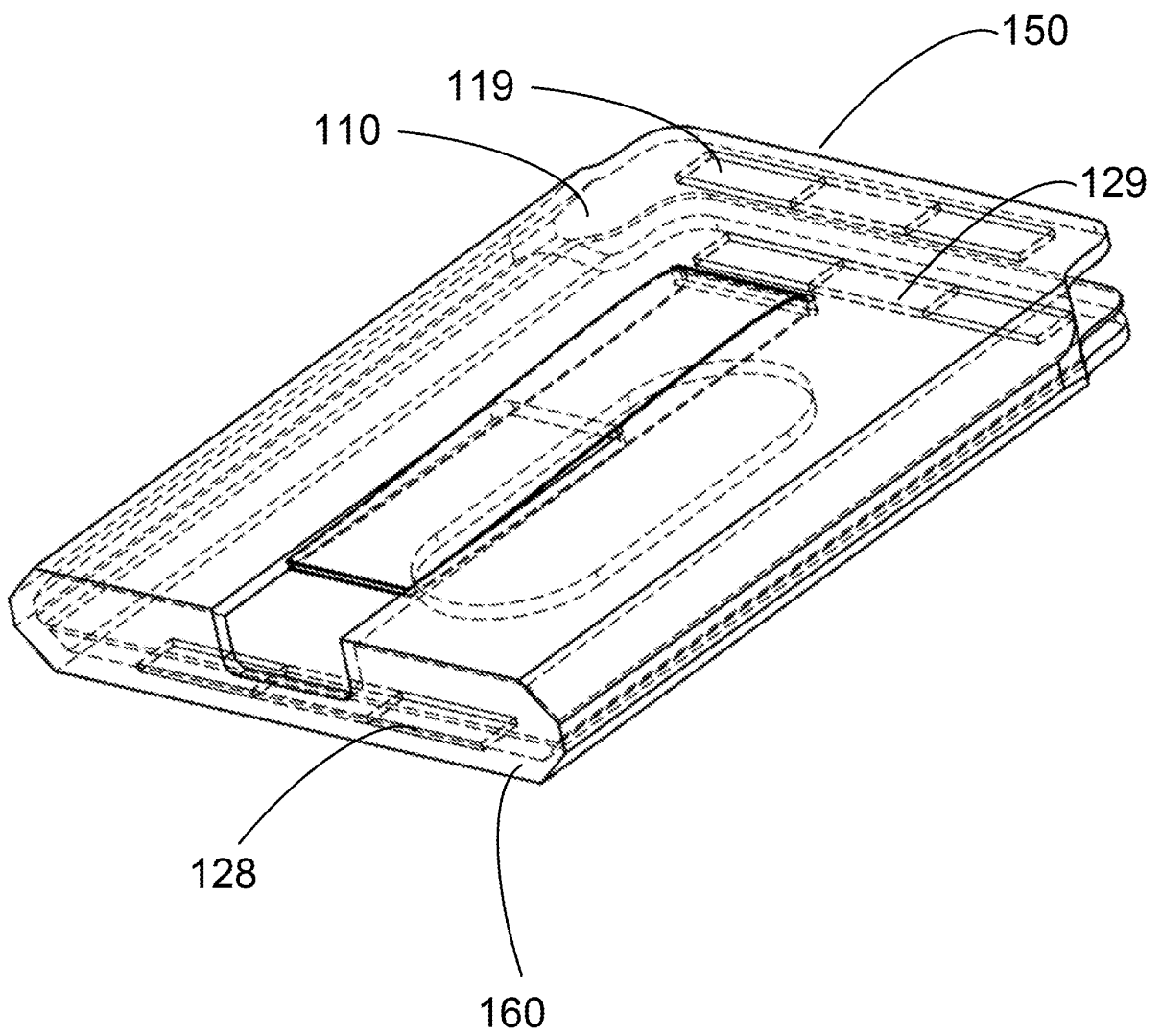
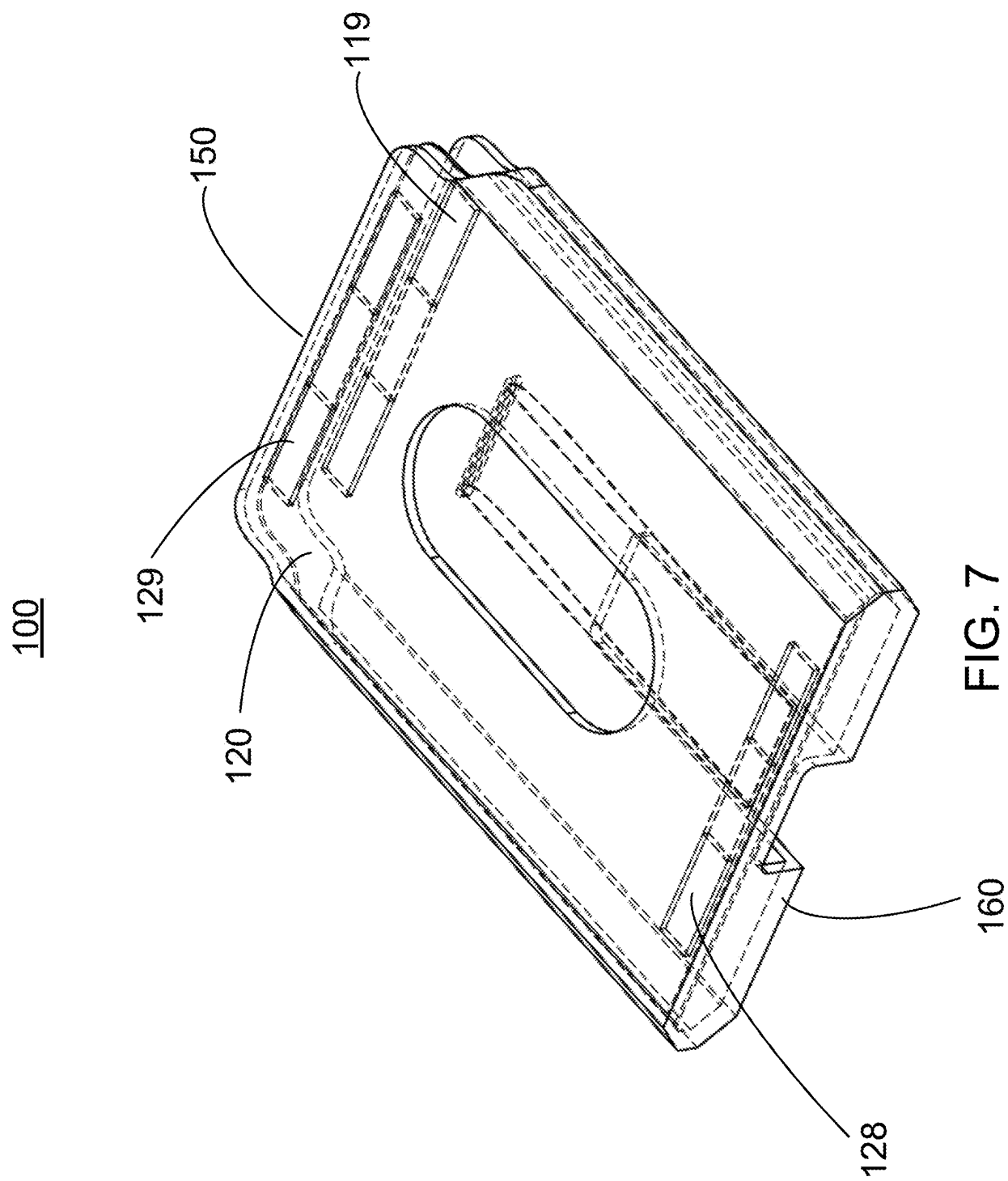


FIG. 6



100

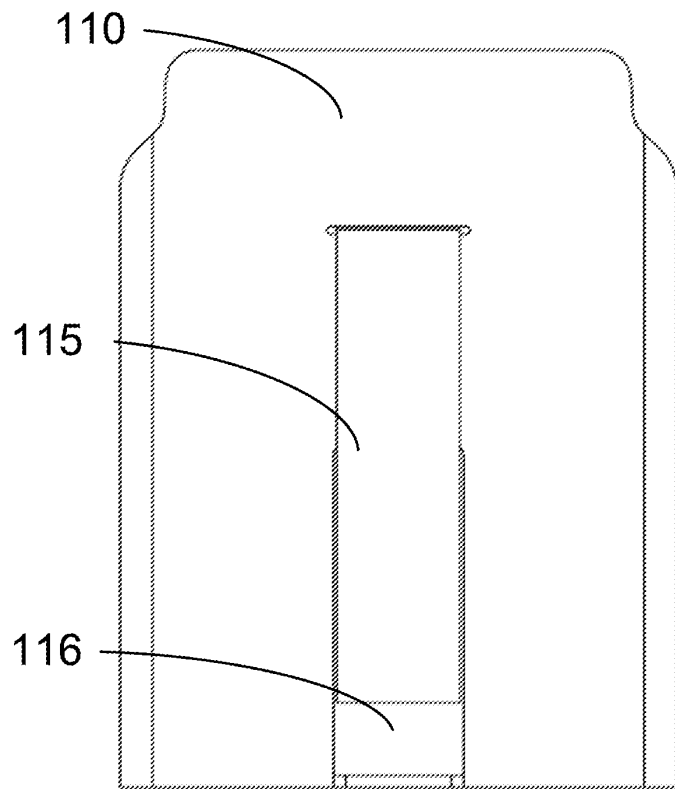


FIG. 8A

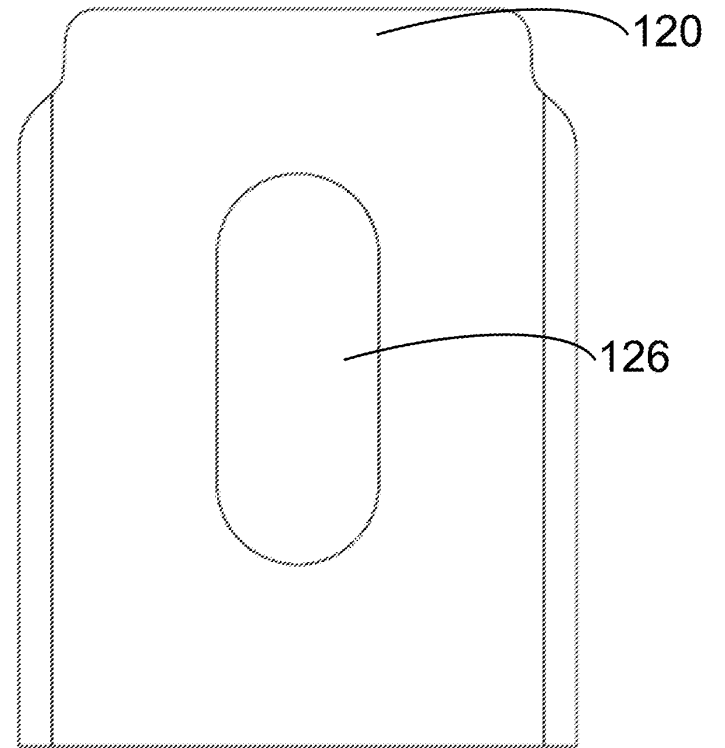


FIG. 8B

100

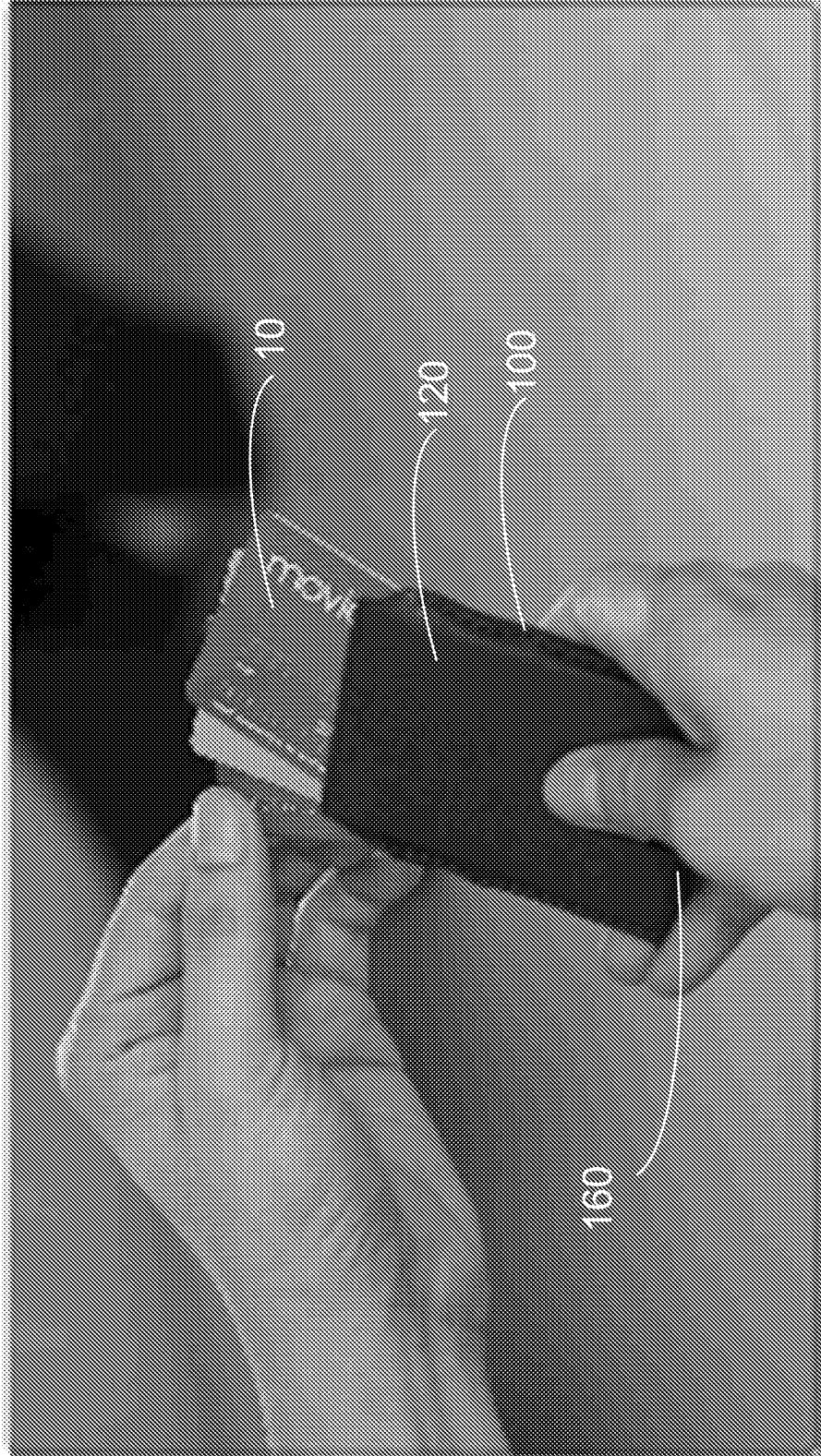


FIG. 9

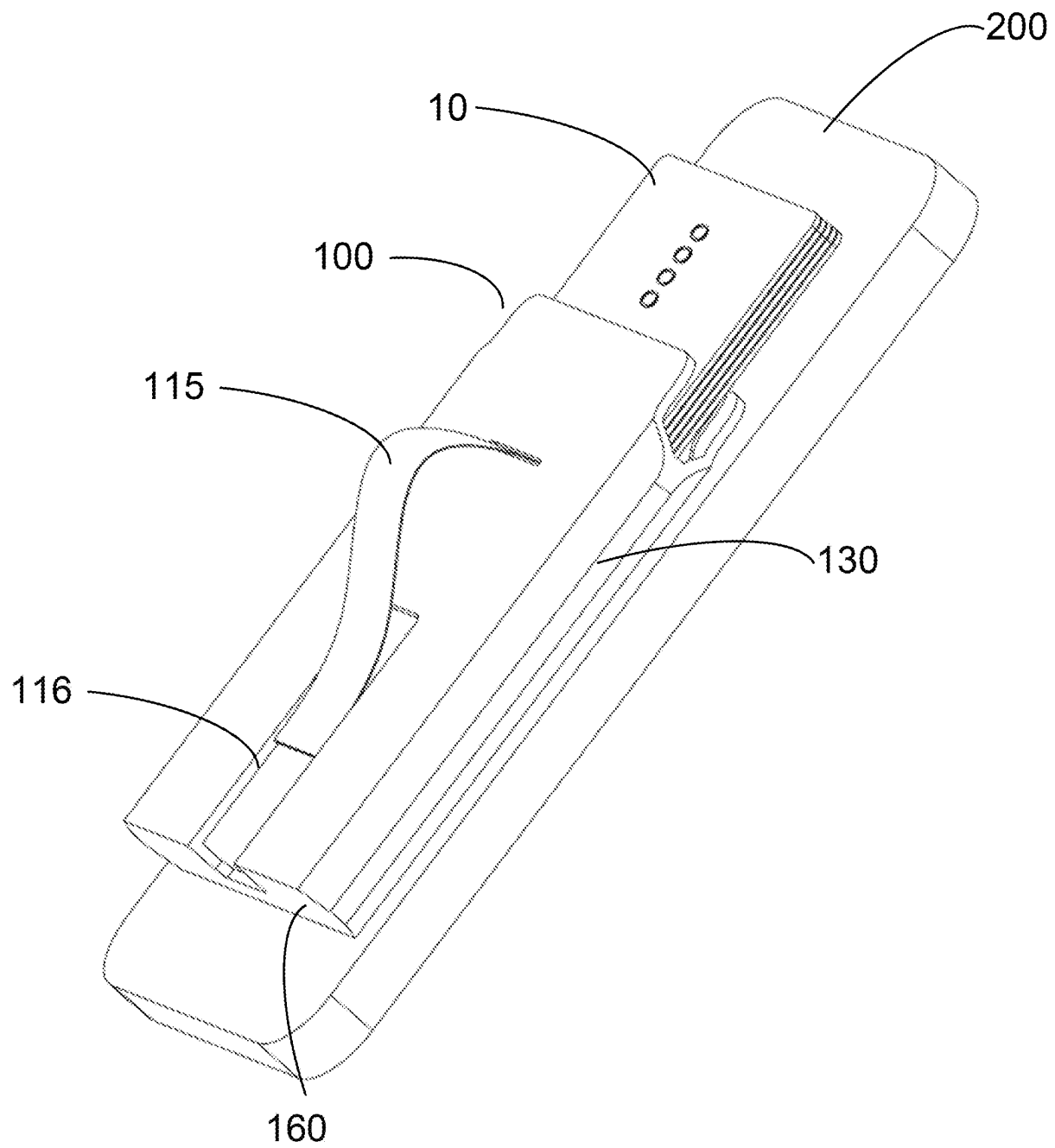


FIG. 10

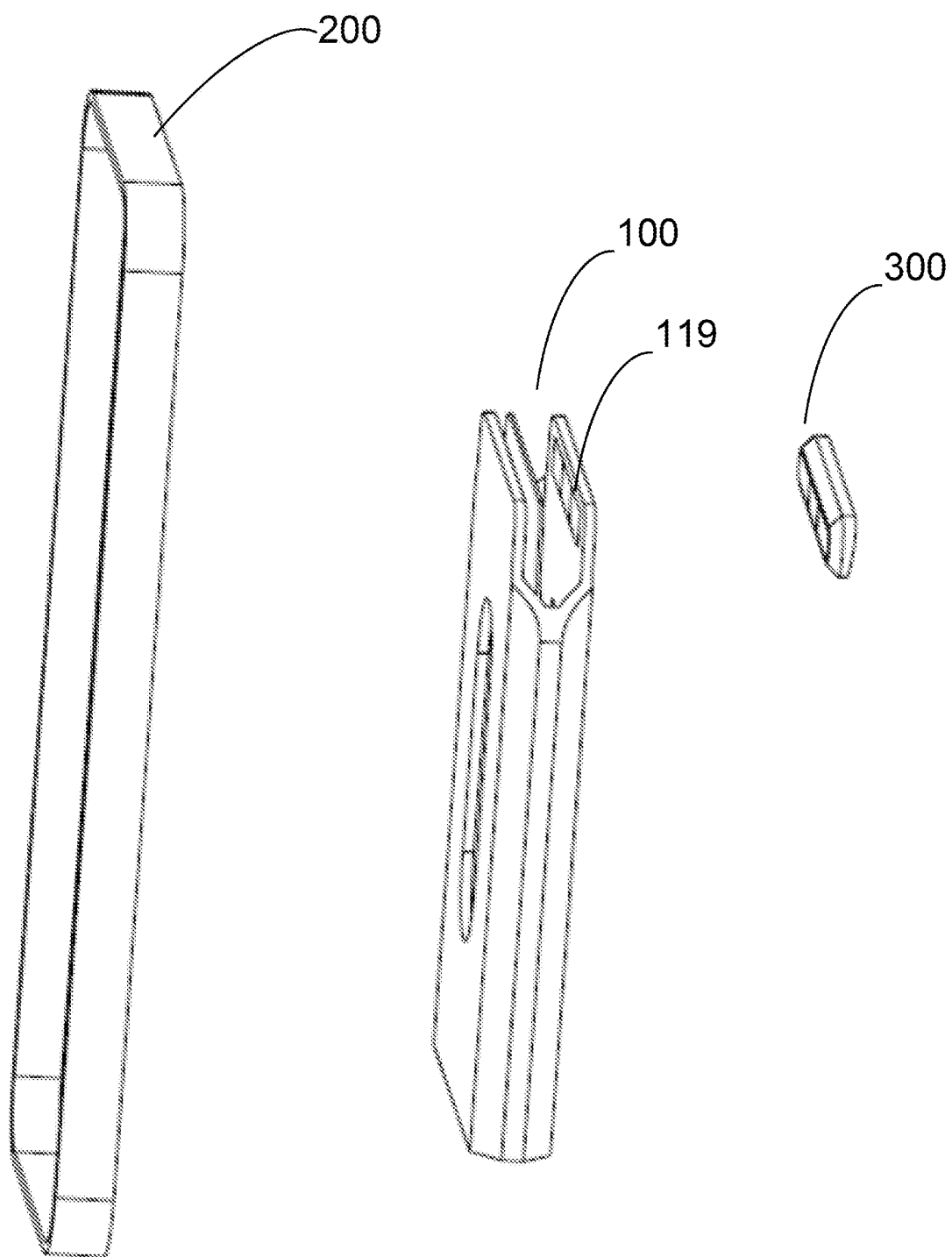


FIG. 11

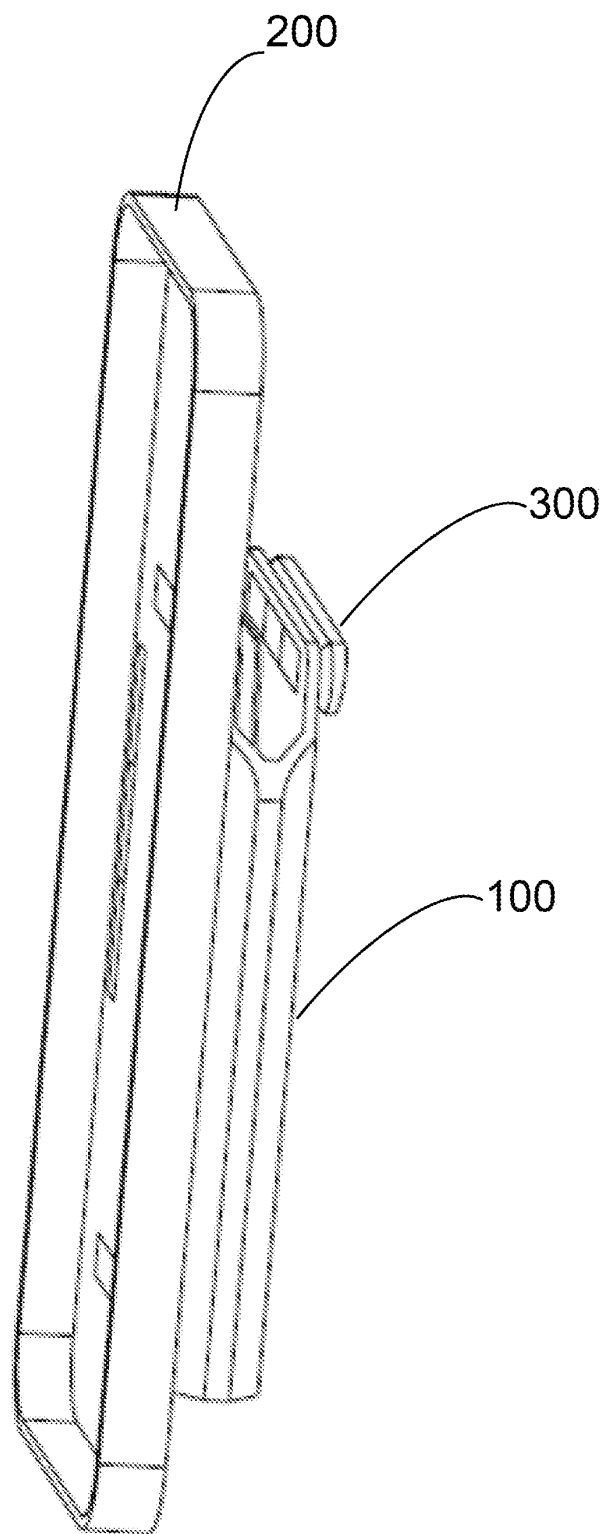


FIG. 12

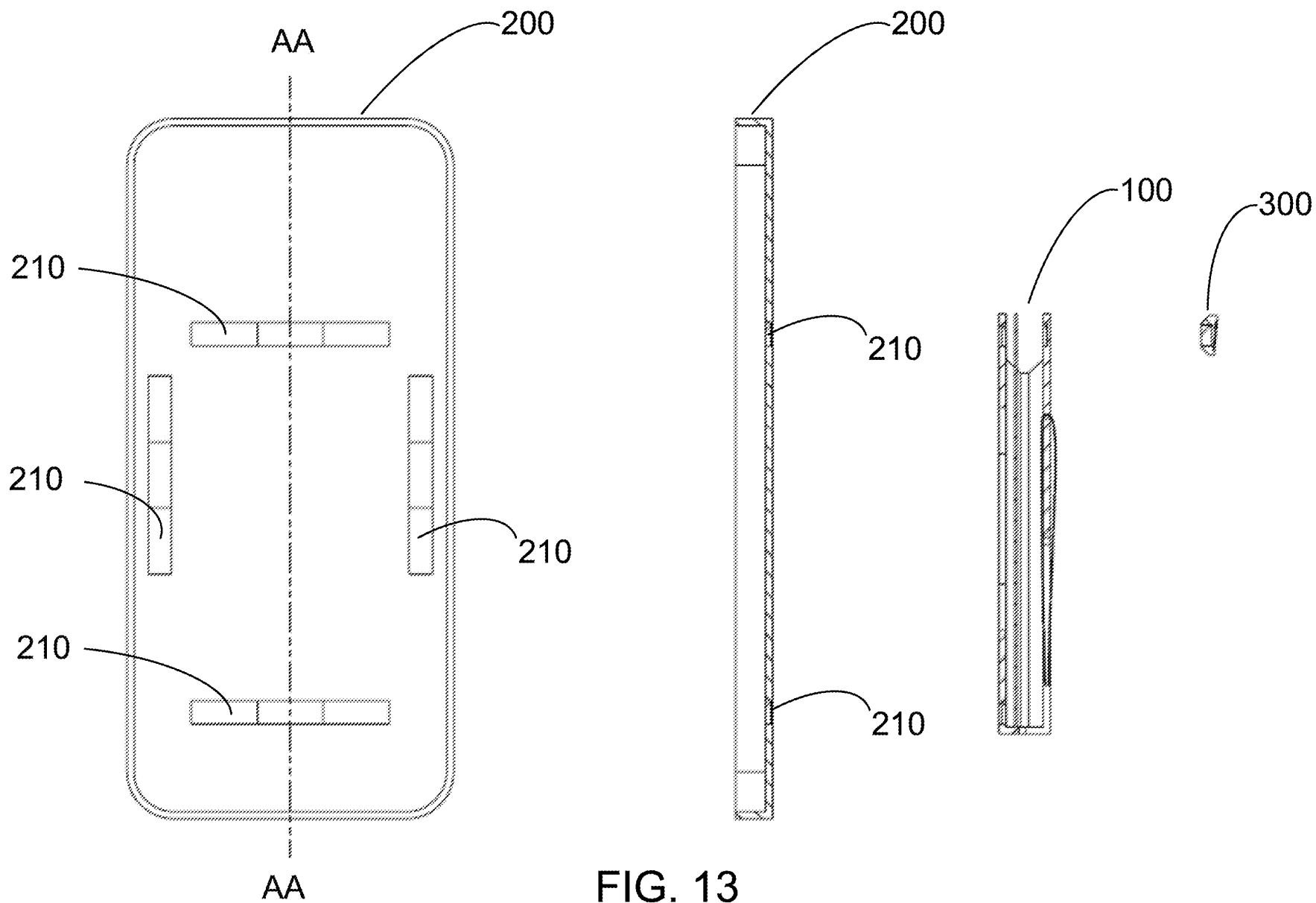


FIG. 13

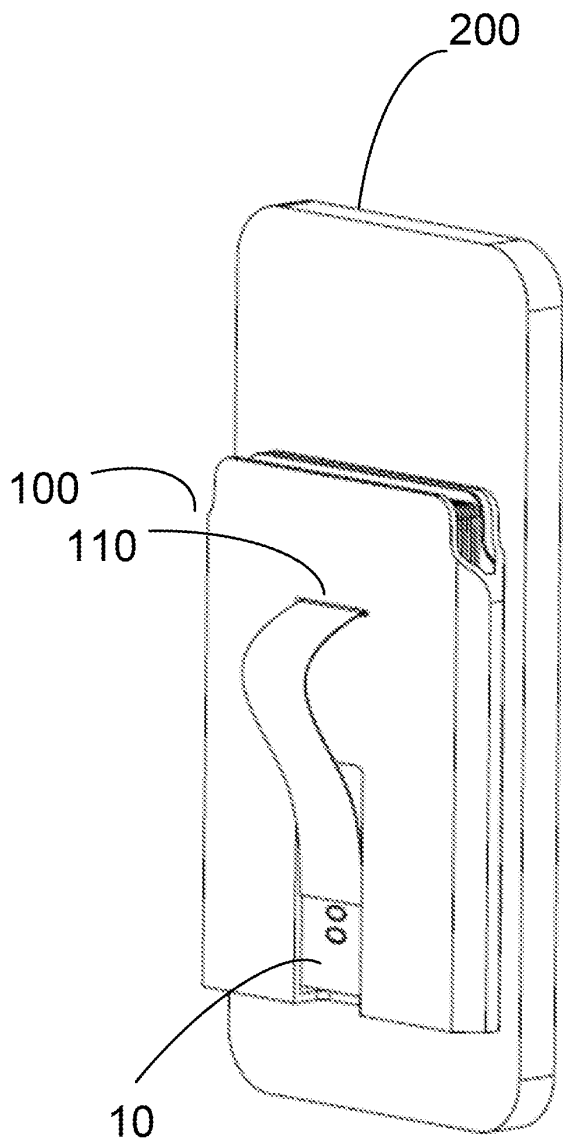


FIG. 14A

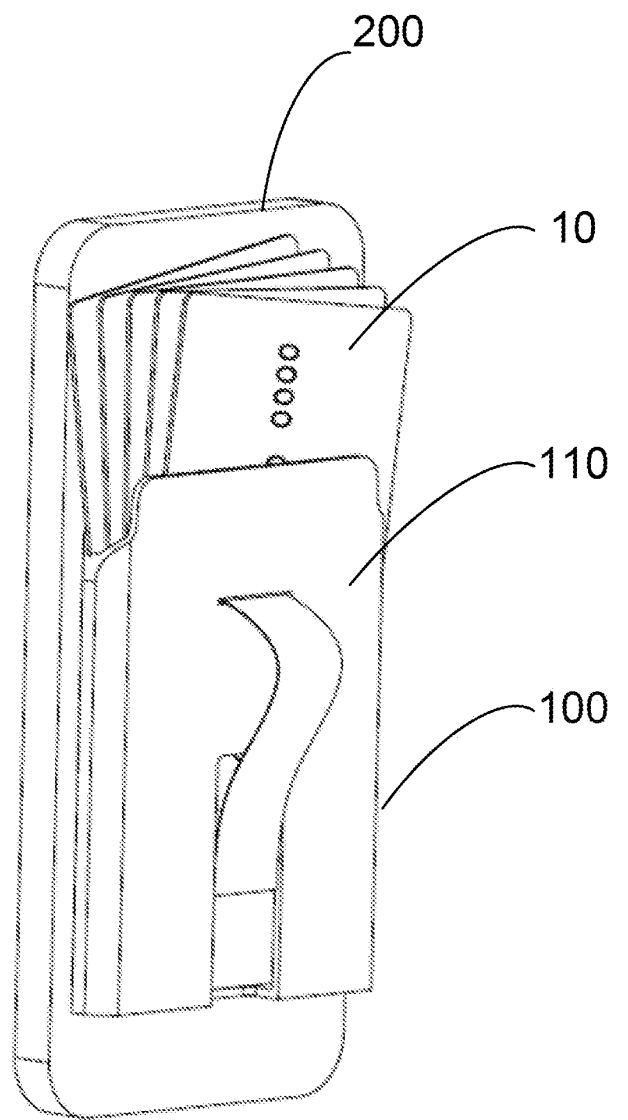


FIG. 14B

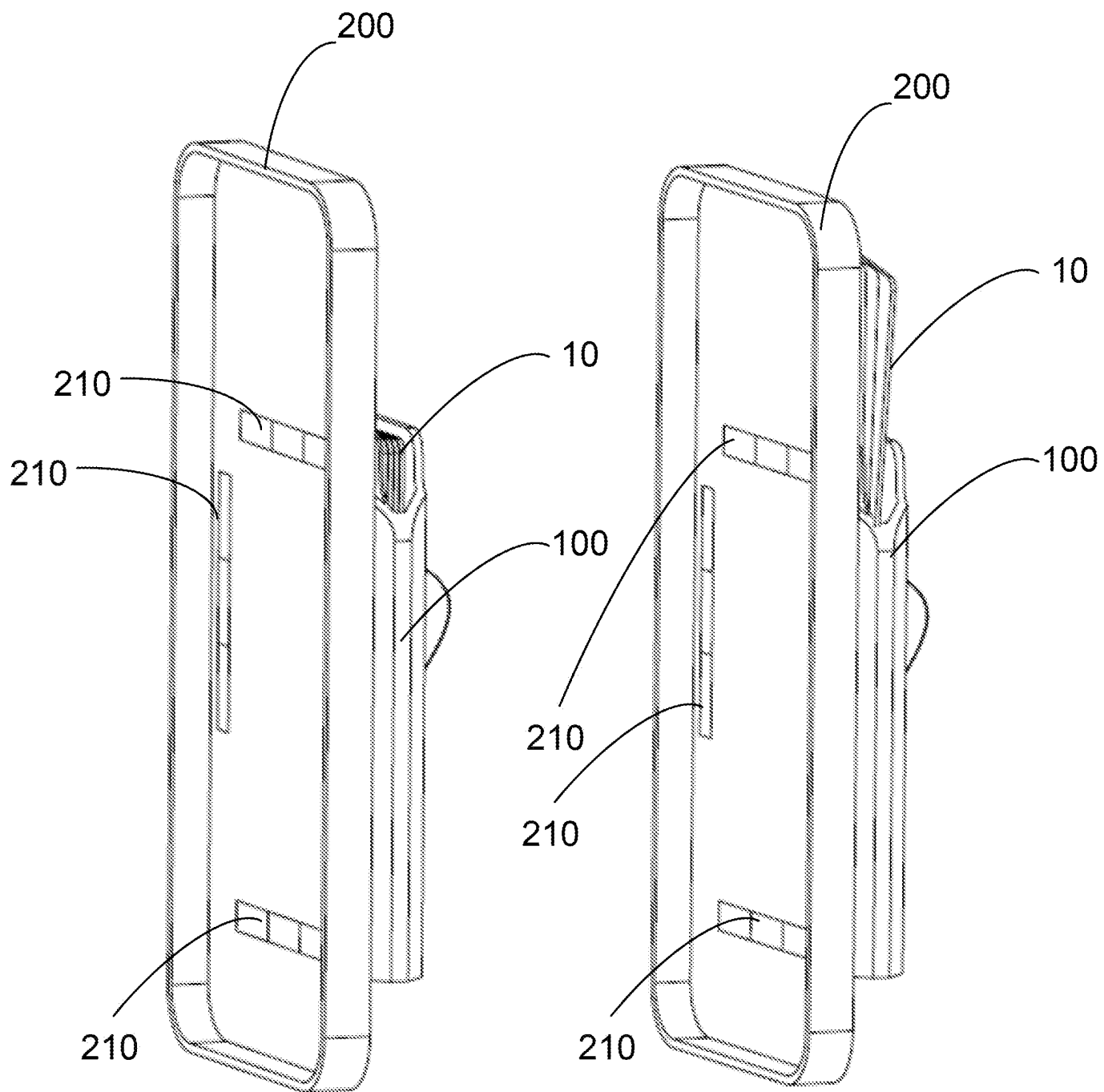


FIG. 15A

FIG. 15B

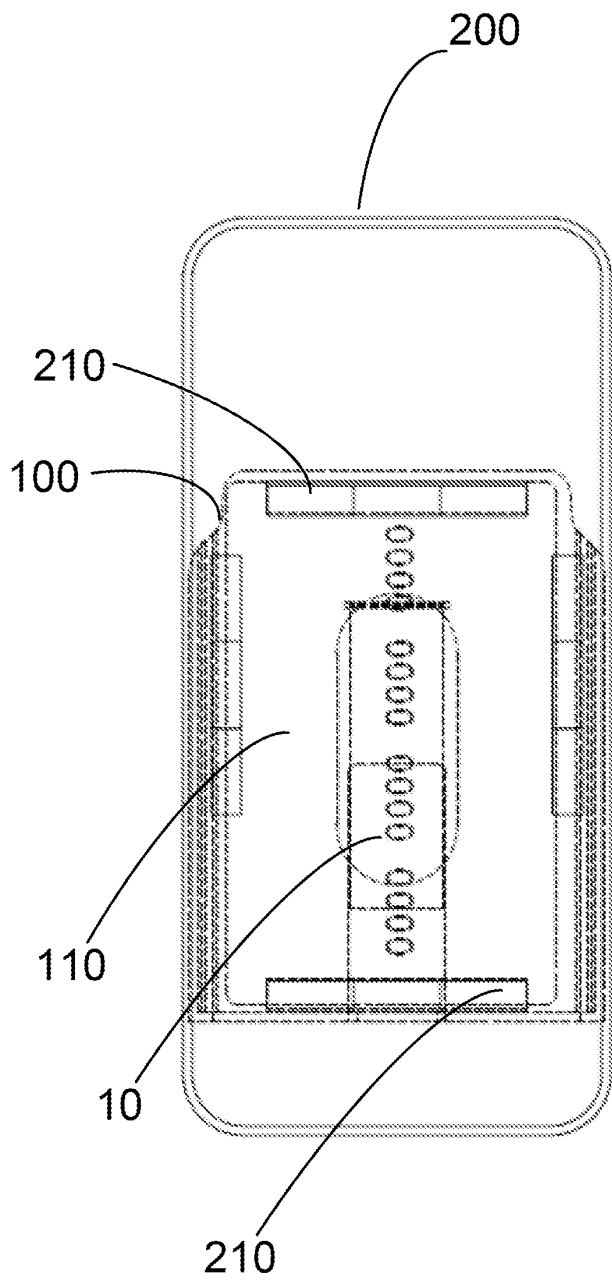


FIG. 16A

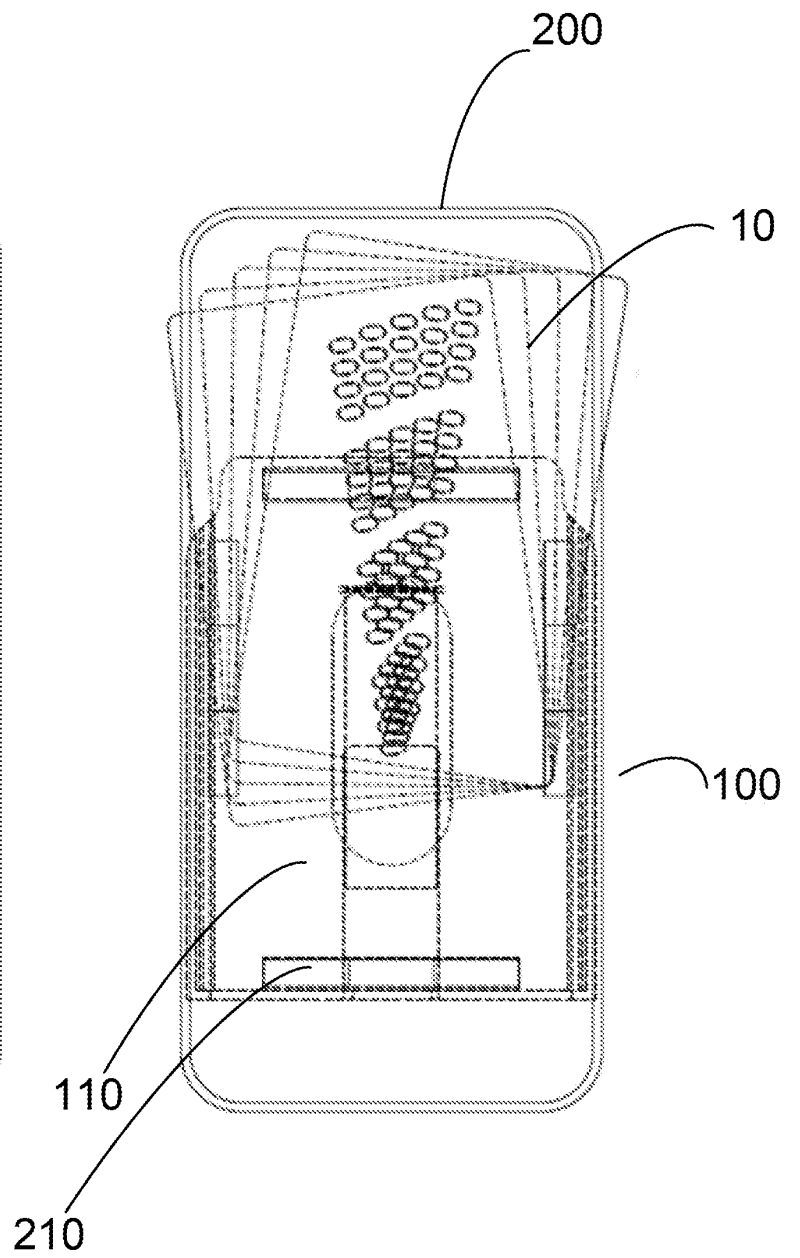


FIG. 16B

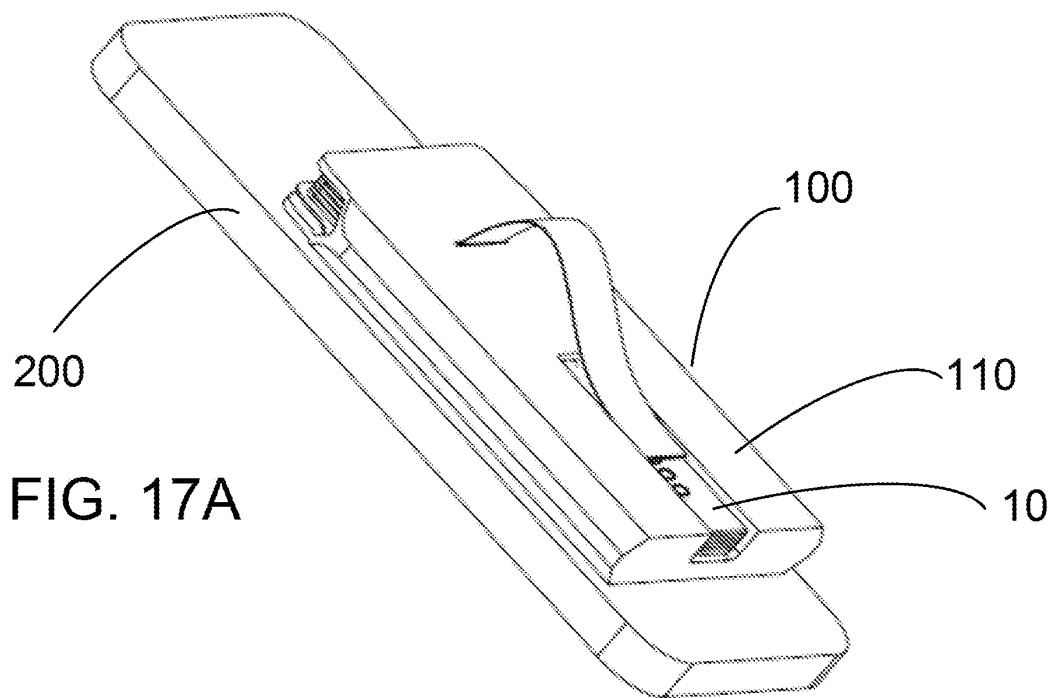


FIG. 17A

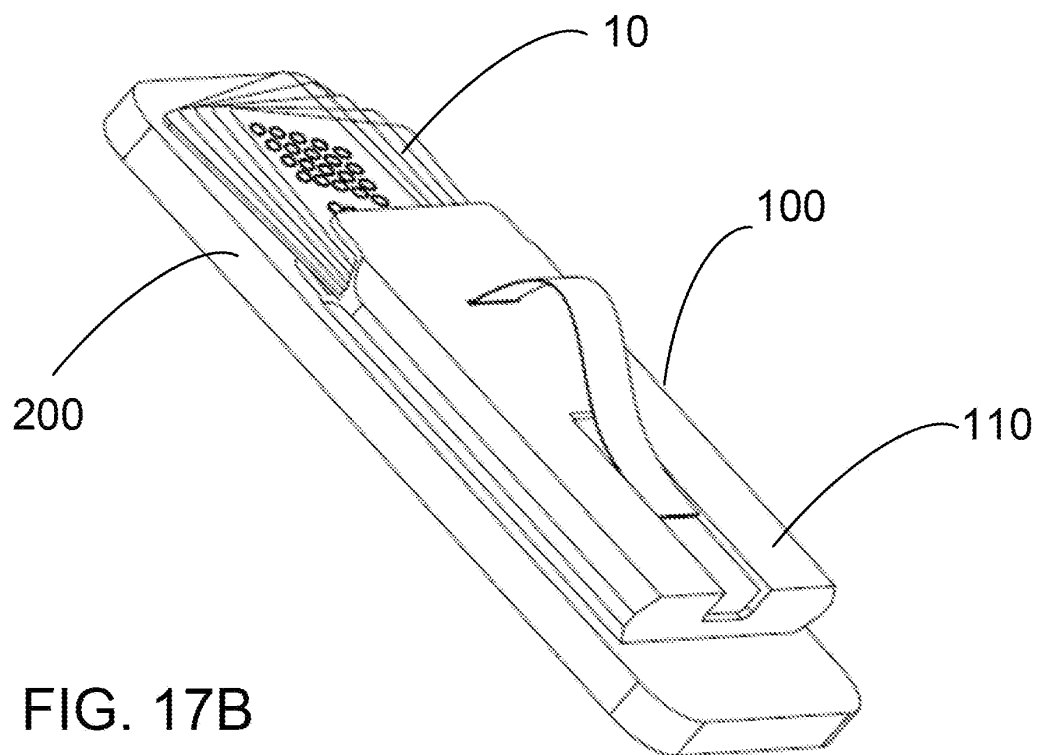


FIG. 17B

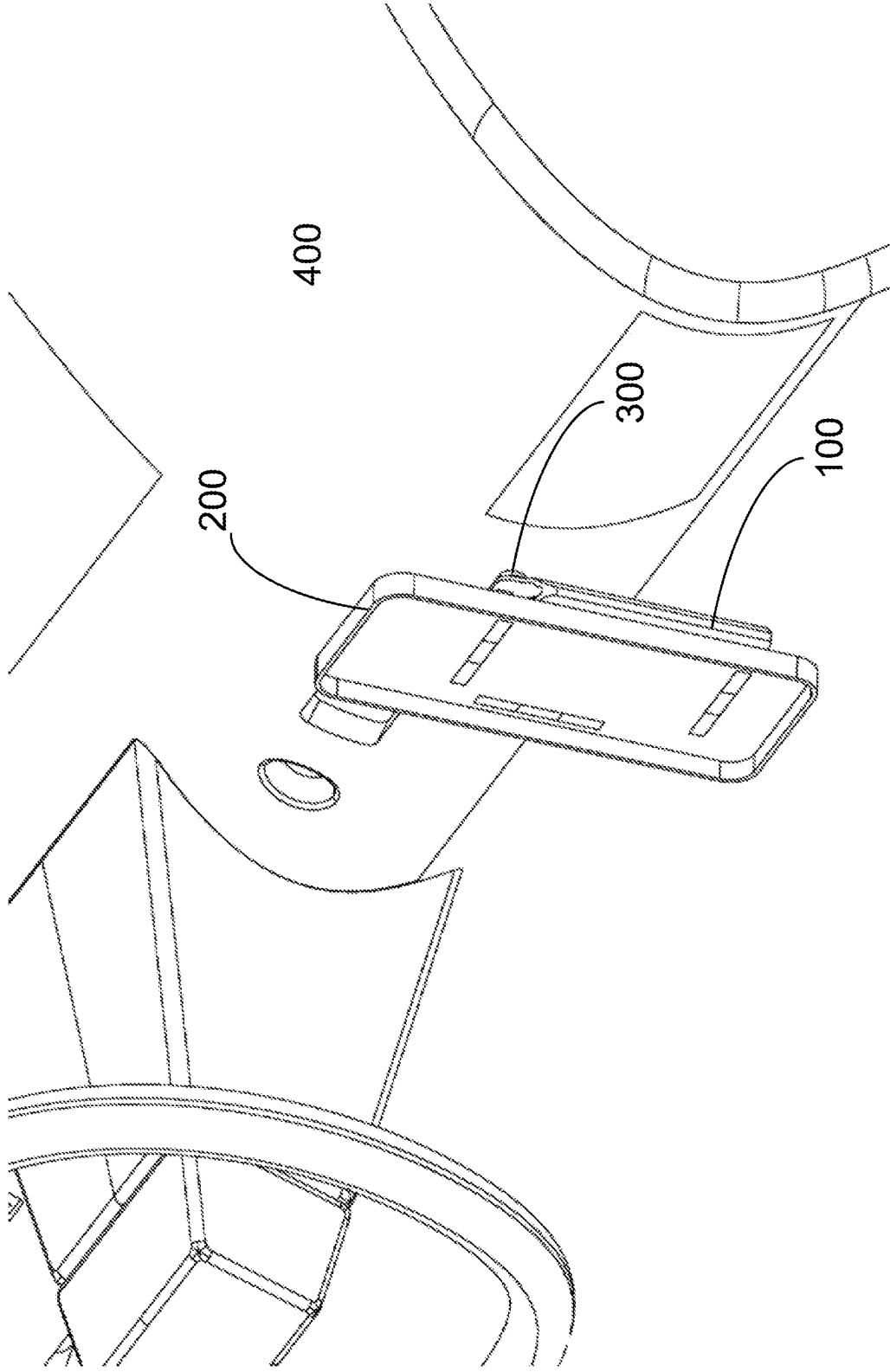
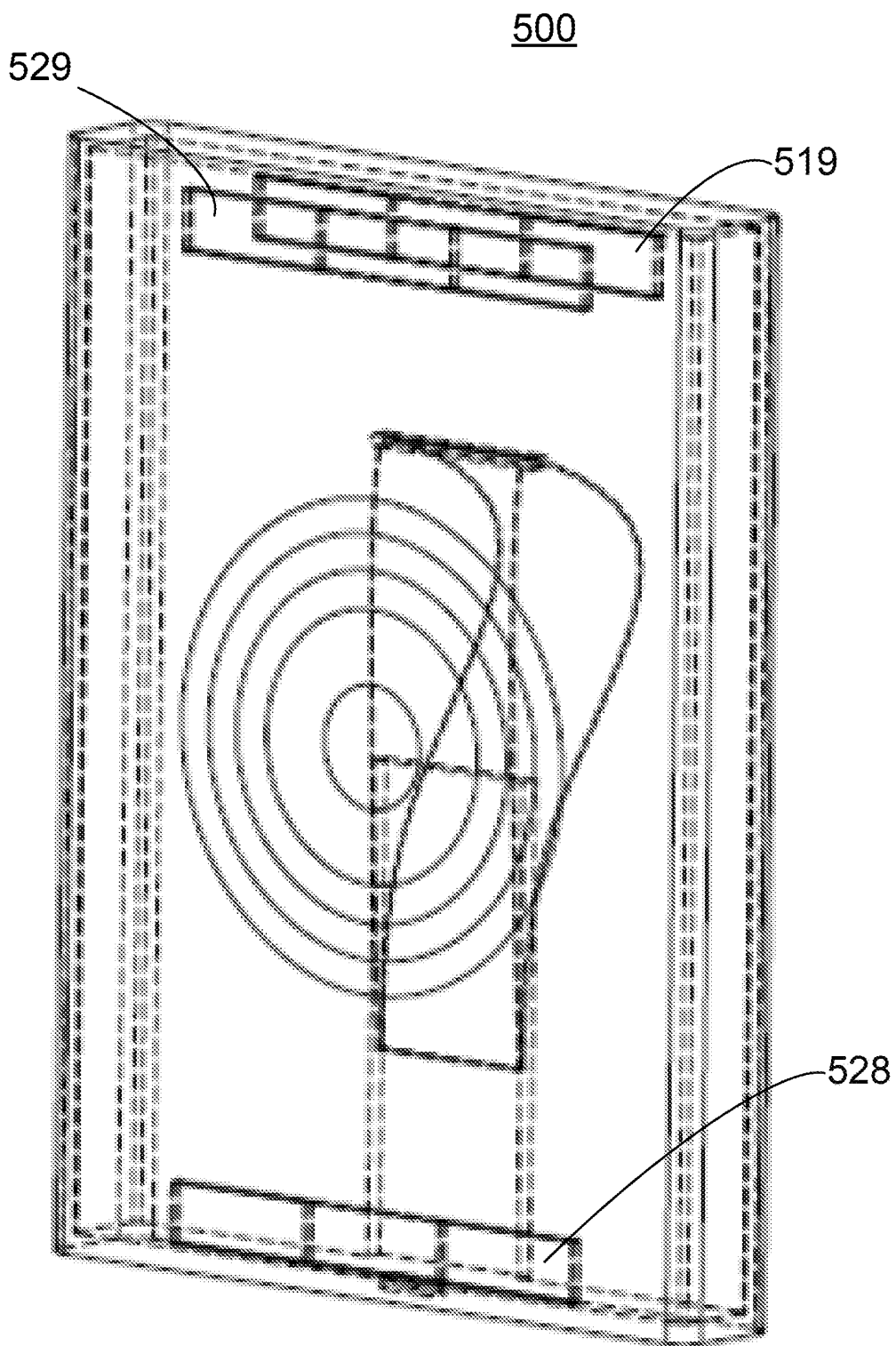


FIG. 18



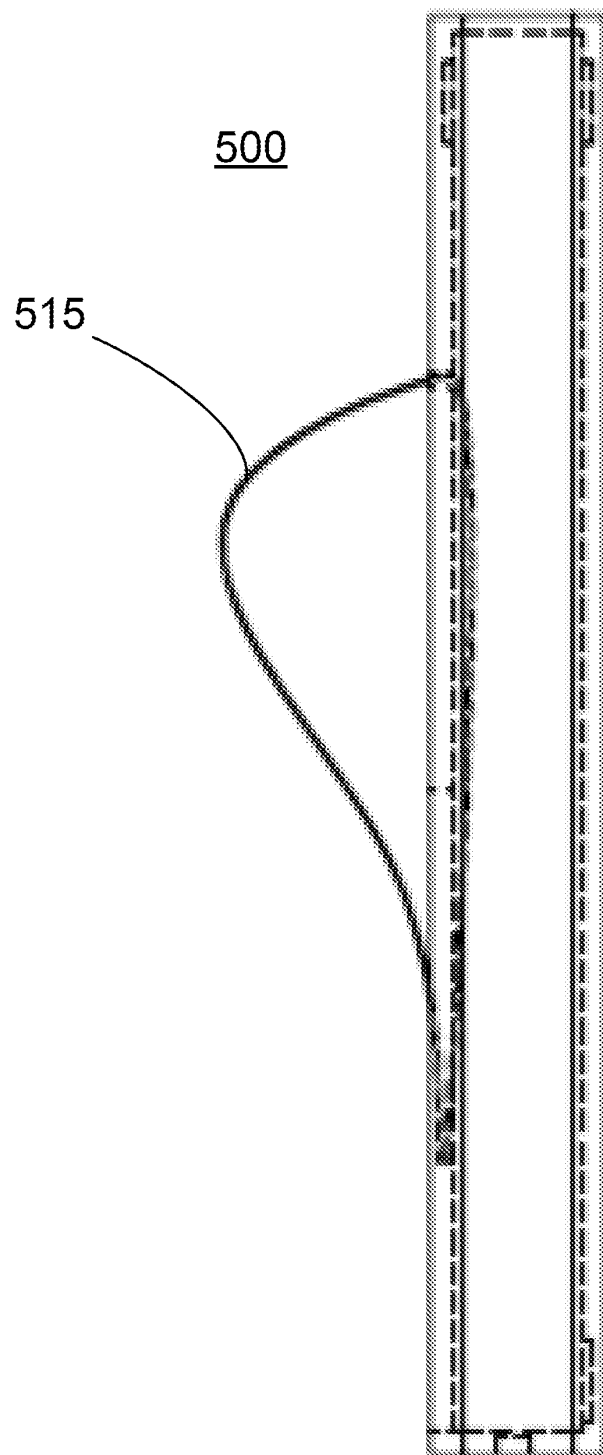


FIG. 20

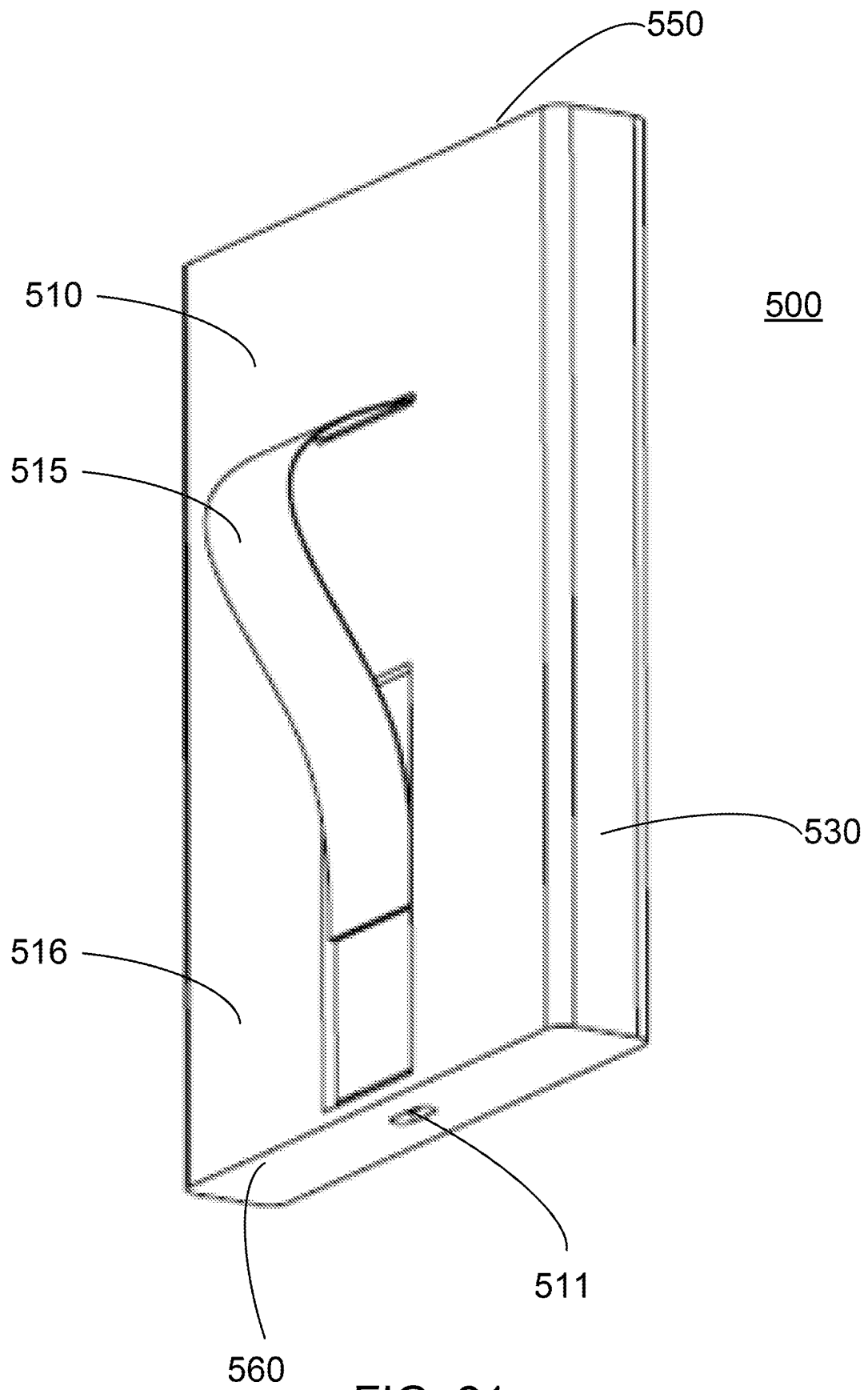


FIG. 21

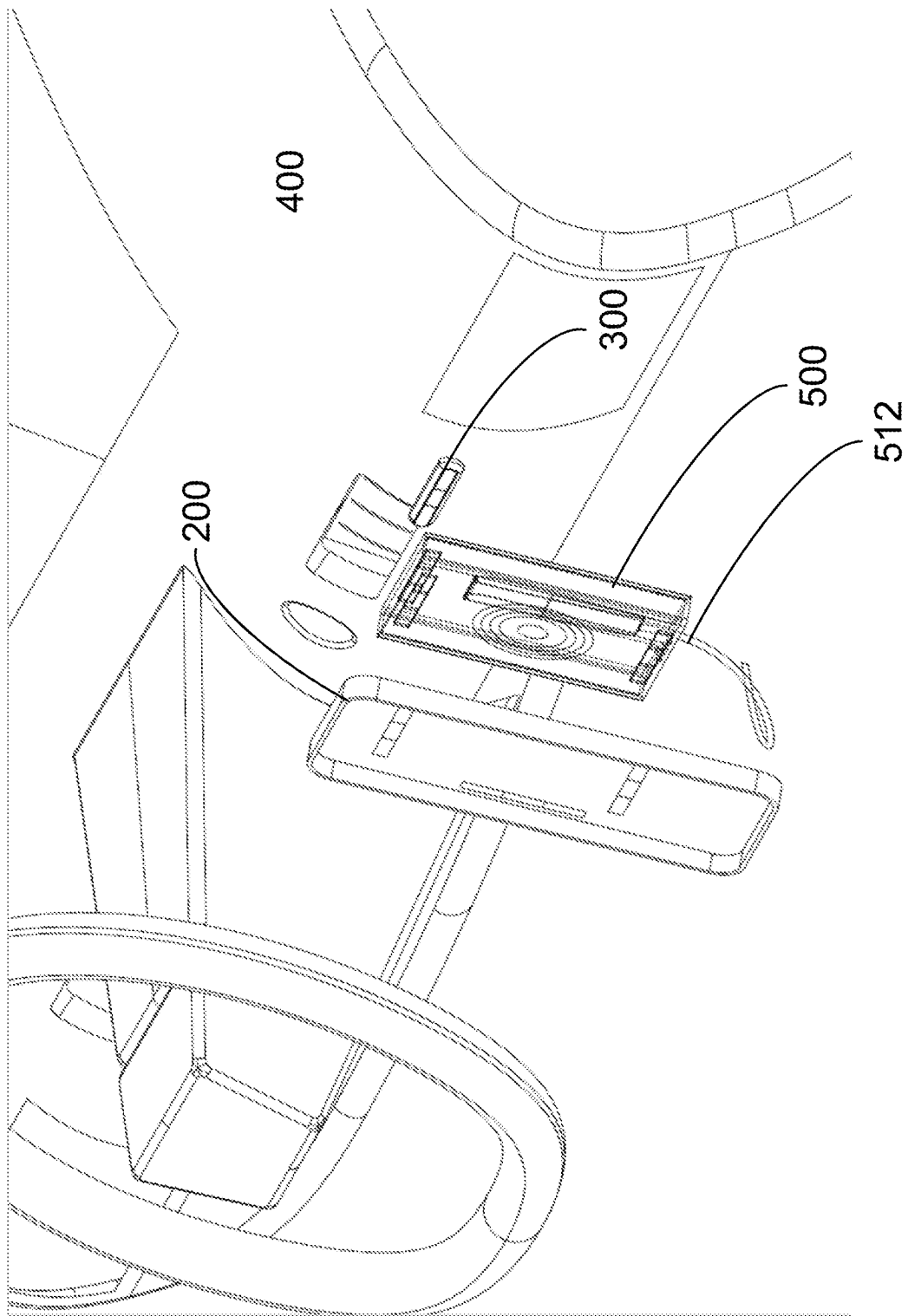


FIG. 22

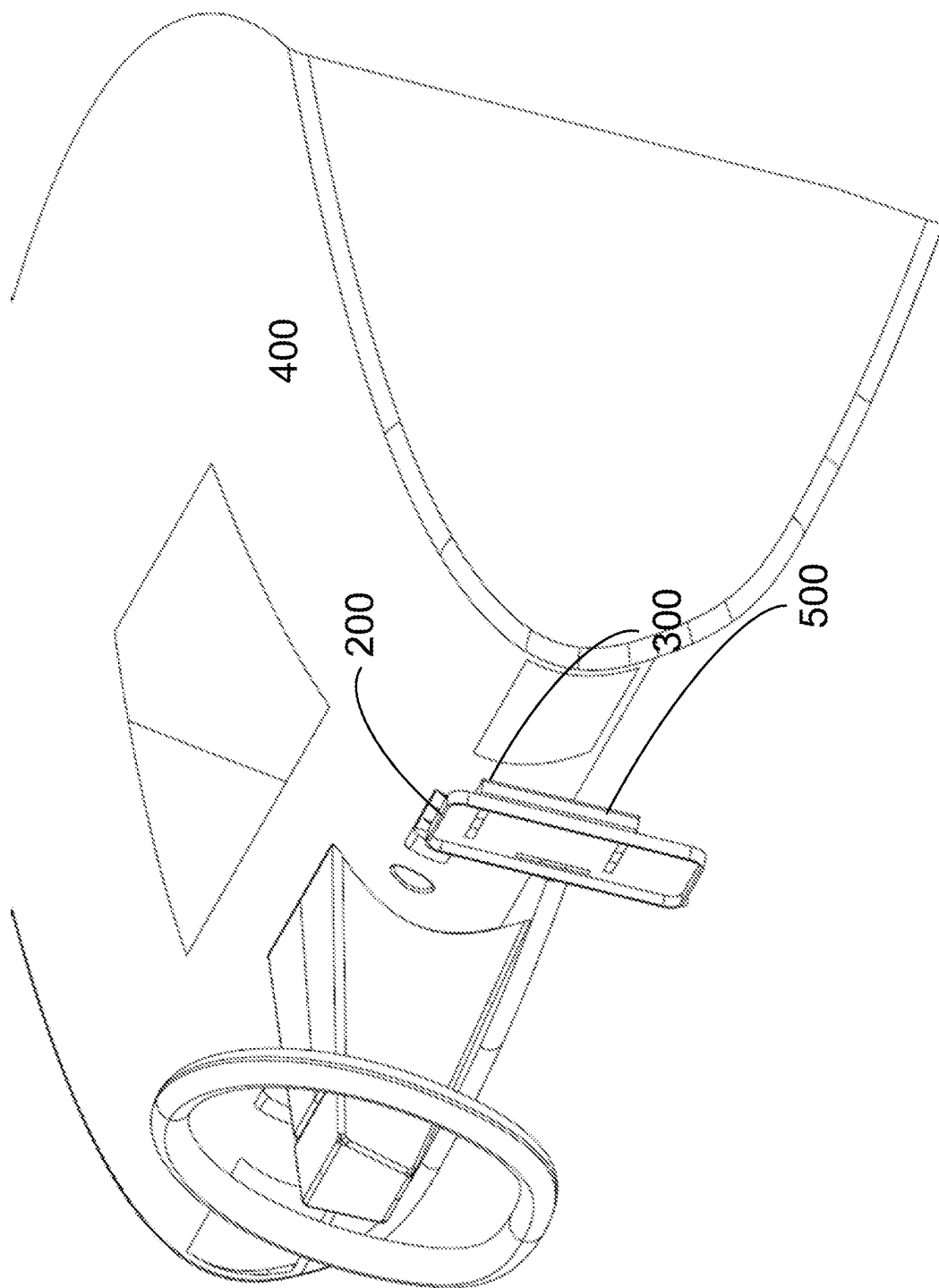


FIG. 23



FIG. 24

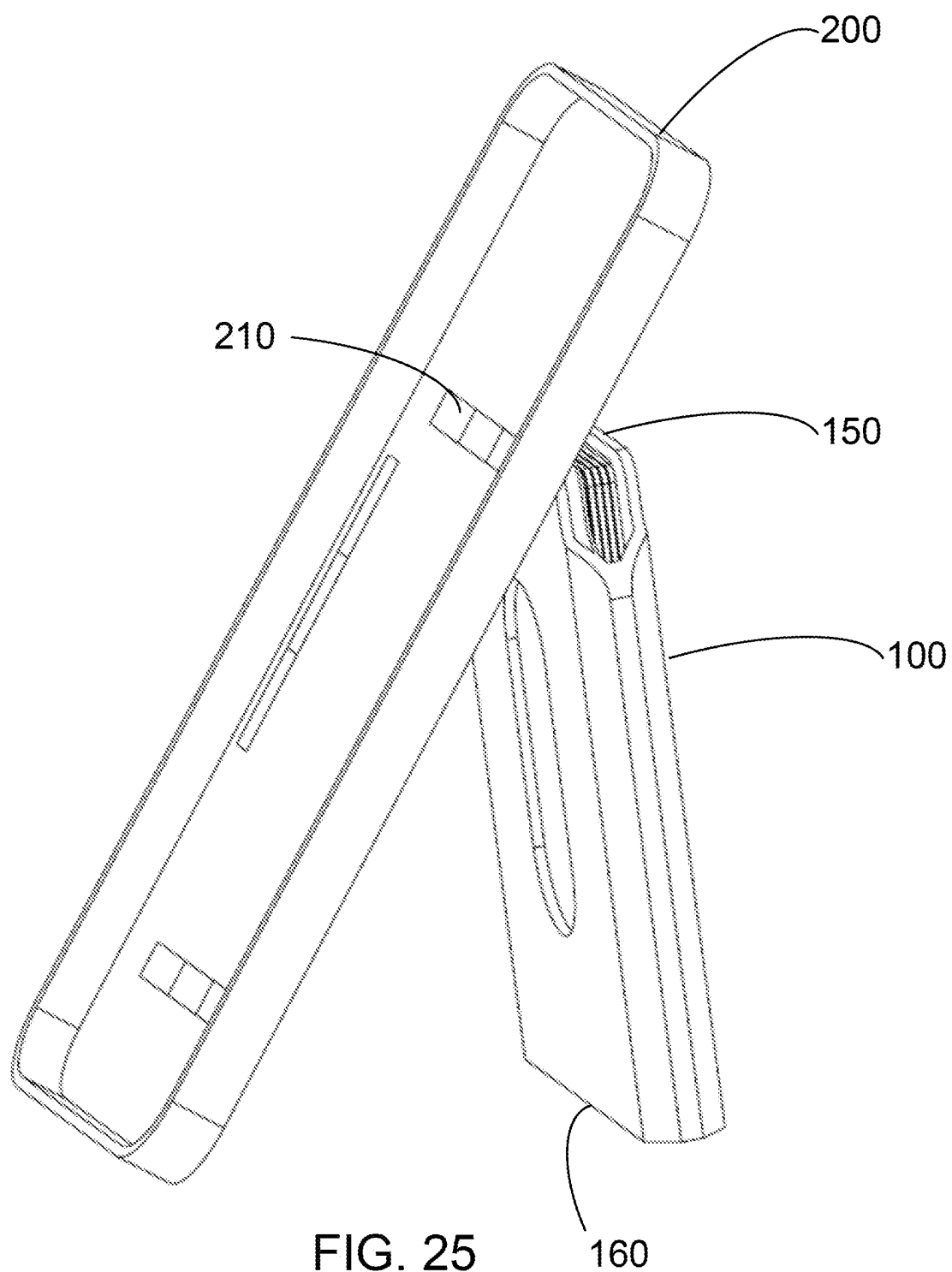


FIG. 25

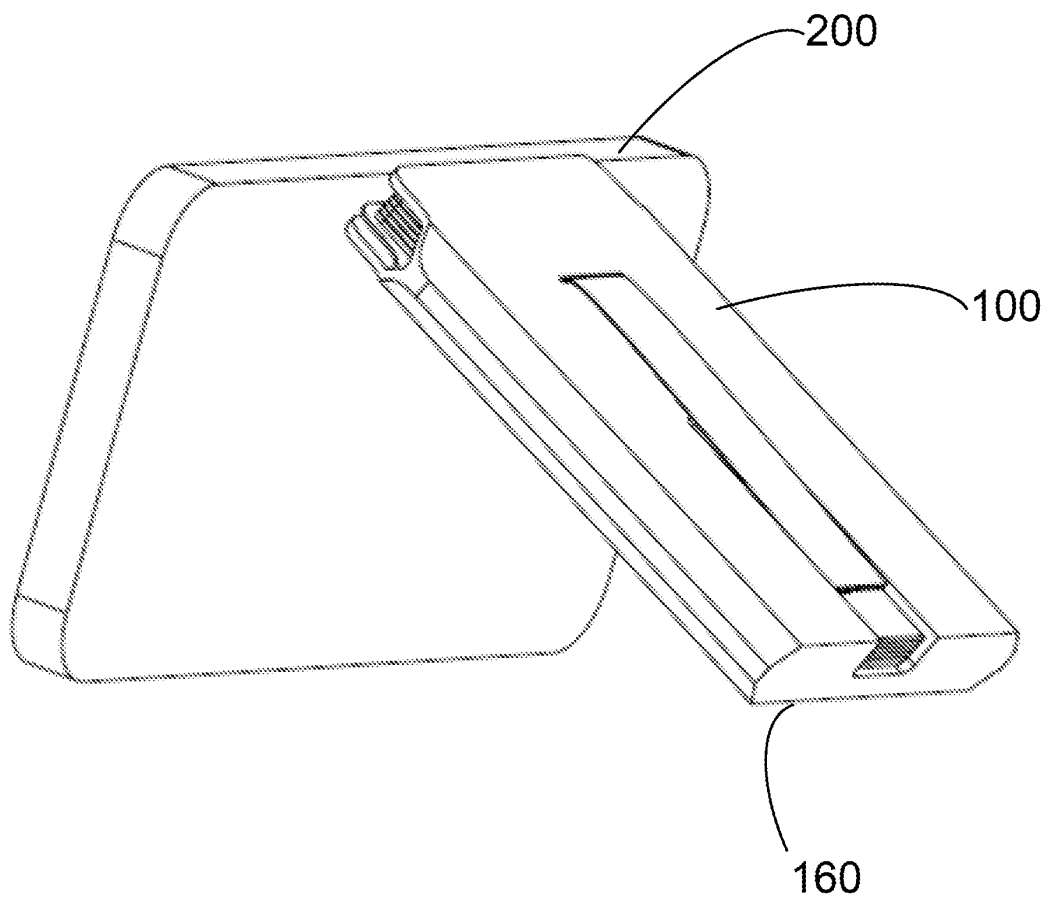


FIG. 26

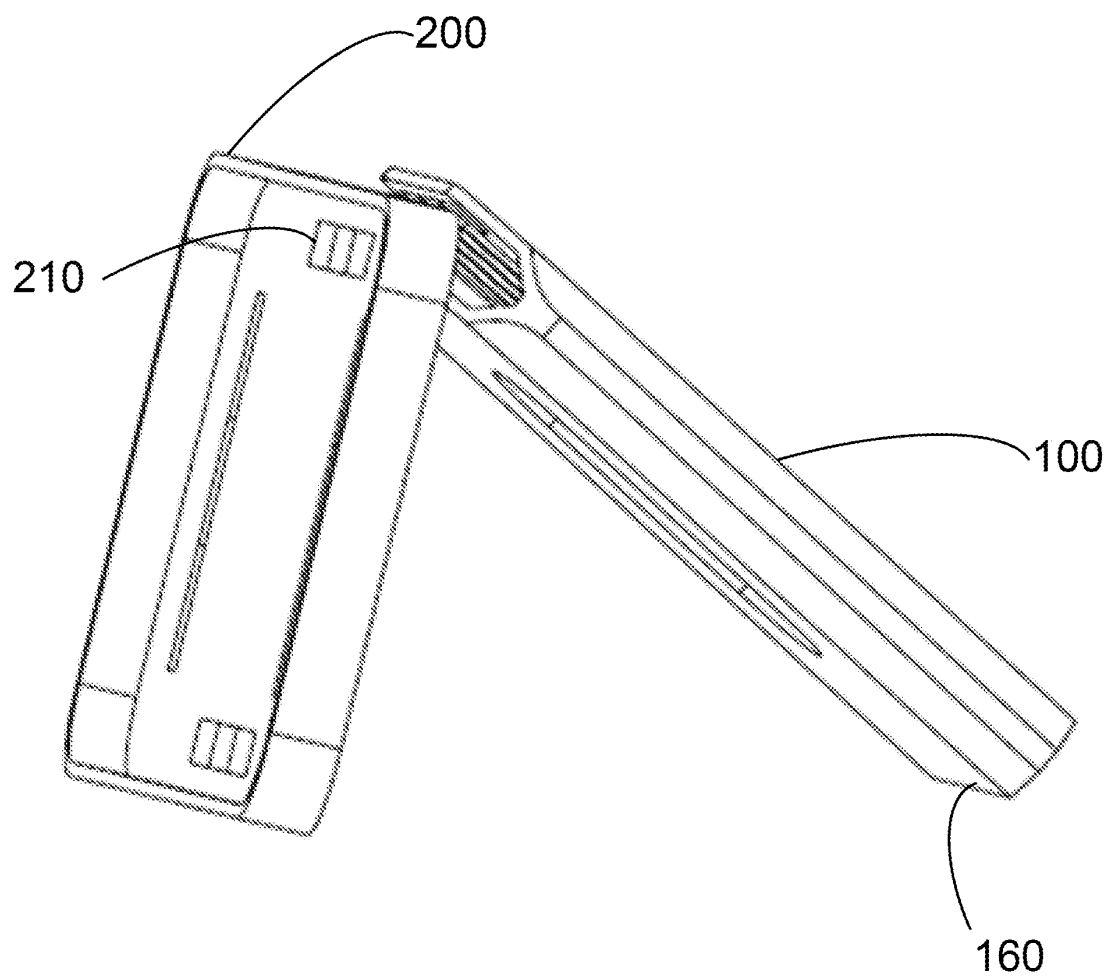


FIG. 27

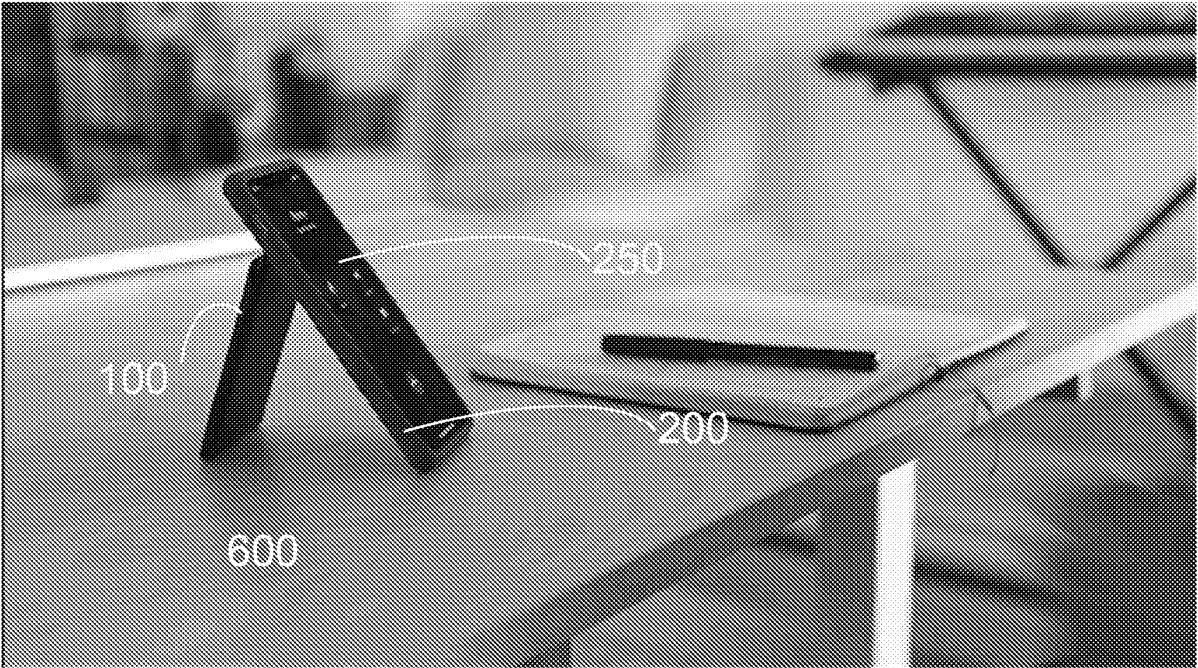


FIG. 28

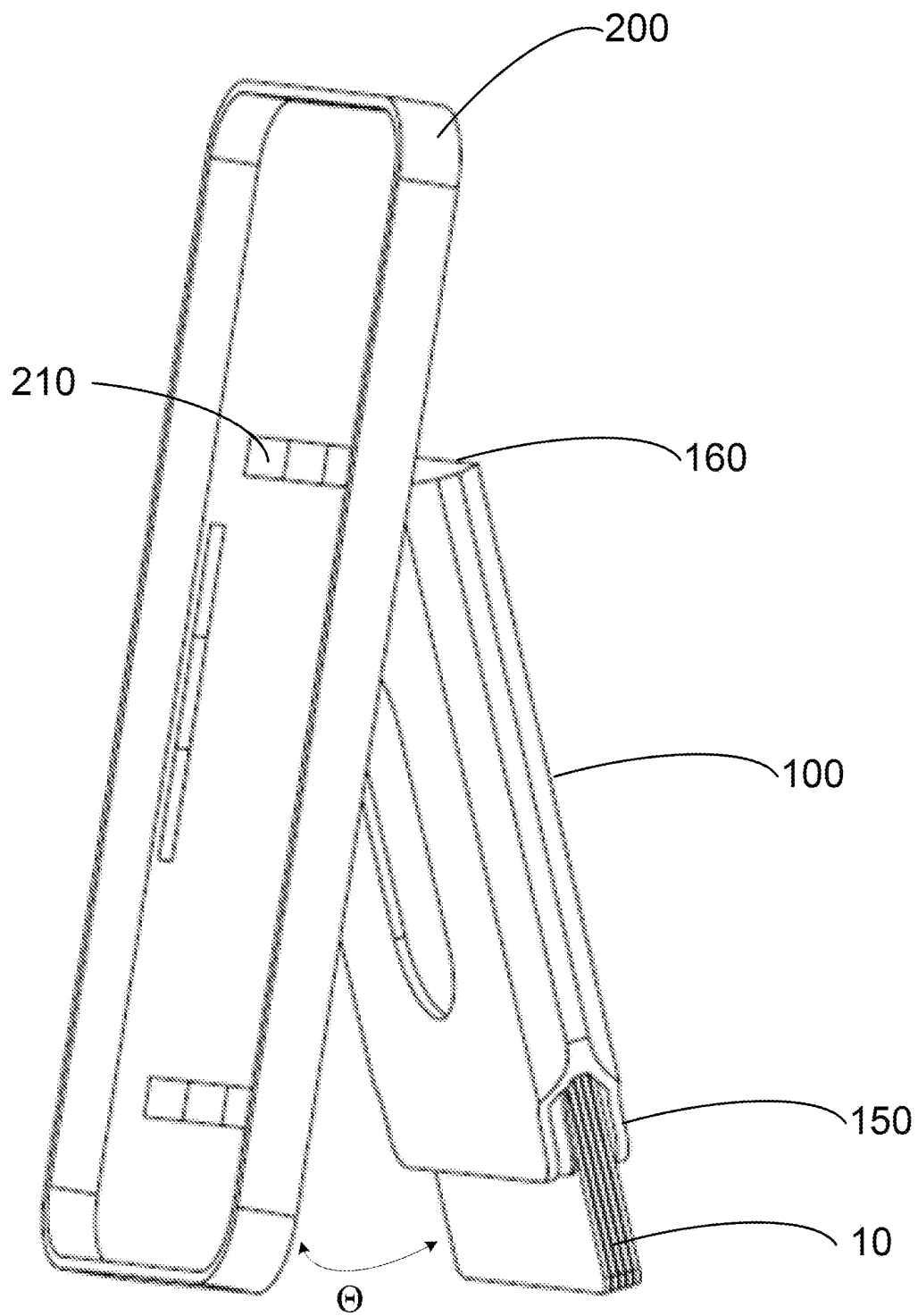


FIG. 29

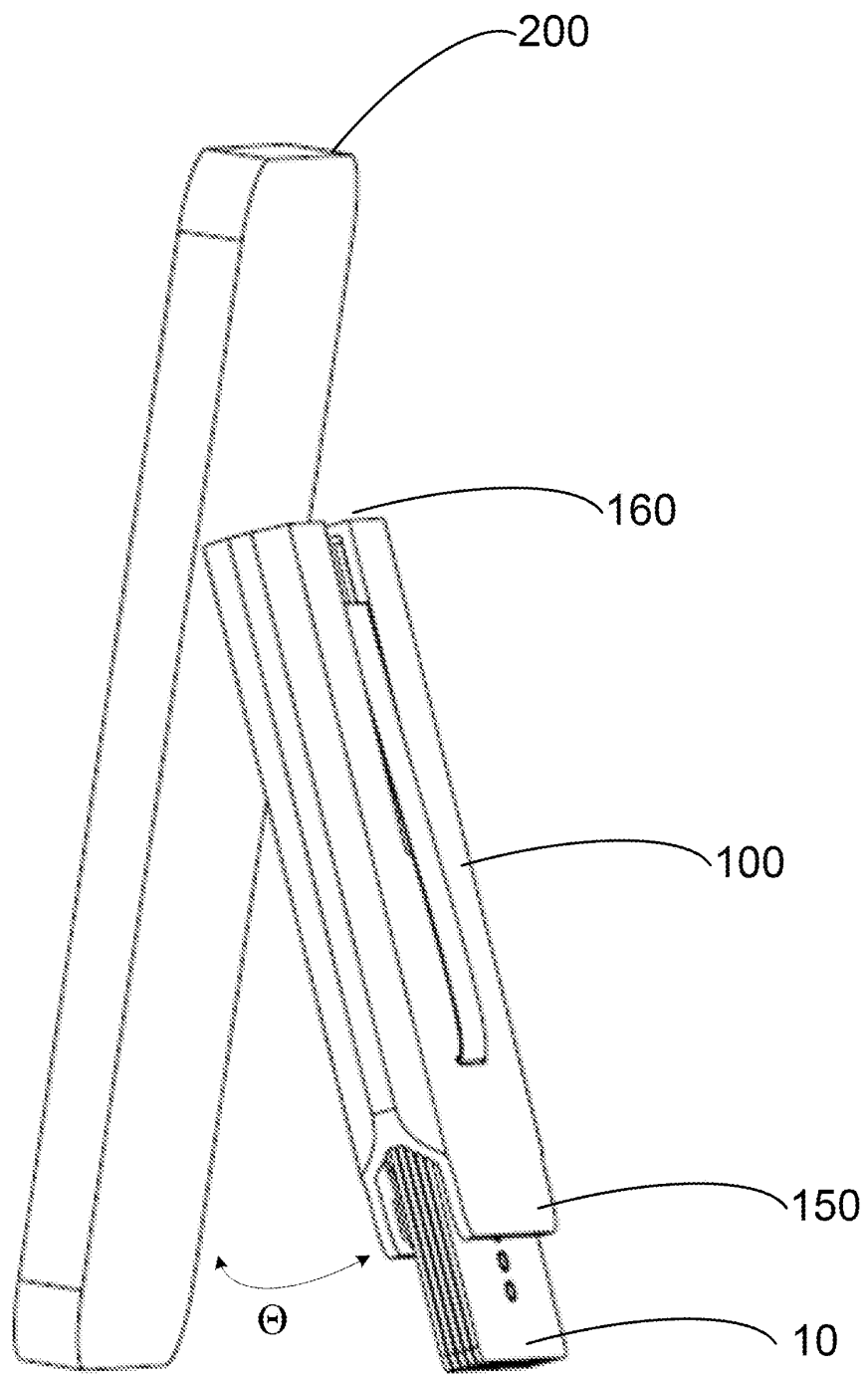


FIG. 30



FIG. 31



FIG. 32

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1LSS-003/00US 322292-2005
		Application Number	
Title of Invention	INTERPOSABLE MAGNETICALLY COUPLED DEVICES		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor	1				Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Fernando		Mora		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Reseda	State/Province	CA	Country of Residence	US
Mailing Address of Inventor:					
Address 1	7342 Sylvia Ave				
Address 2					
City	Reseda	State/Province	CA		
Postal Code	91335	Country i	US		
Inventor	2				Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Alejandro		Baca		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Canyon Country	State/Province	CA	Country of Residence	US
Mailing Address of Inventor:					
Address 1	27284 Marisa Dr.				
Address 2					
City	Canyon Country	State/Province	CA		
Postal Code	91387	Country i	US		
Inventor	3				Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Mydul	Ronny	slam		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					

Application Data Sheet 37 CFR 1.76		Attorney Docket Number		1LSS-003/00US 322292-2005	
		Application Number			
Title of Invention	INTERPOSABLE MAGNETICALLY COUPLED DEVICES				
City	Van Nuys	State/Province	CA	Country of Residence	US
Mailing Address of Inventor:					
Address 1	6306 Ventura canyon Ave.				
Address 2					
City	Van Nuys	State/Province	CA		
Postal Code	91401	Country i	US		
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.					Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).	
☐ An Address is being provided for the correspondence Information of this application.	
Customer Number	58249
Email Address	zpatdcdocketing@cooley.com Add Email Remove Email

Application Information:

Title of the Invention	INTERPOSABLE MAGNETICALLY COUPLED DEVICES		
Attorney Docket Number	1LSS-003/00US 322292-2005	Small Entity Status Claimed	☒
Application Type	Provisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	32	Suggested Figure for Publication (if any)	

Filing By Reference :

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐ Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1LSS-003/00US 322292-2005
		Application Number	
Title of Invention	INTERPOSABLE MAGNETICALLY COUPLED DEVICES		

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:			
☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)	
Customer Number	58249		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the application number blank.

Prior Application Status		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.			Add

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

			Remove
Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ^j (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			Add

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1LSS-003/00US 322292-2005
		Application Number	
Title of Invention	INTERPOSABLE MAGNETICALLY COUPLED DEVICES		

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013. ☐ NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.
--

Authorization to Permit Access:

☒ Authorization to Permit Access to the Instant Application by the Participating Offices
If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application. In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application. In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.
--

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1LSS-003/00US 322292-2005
		Application Number	
Title of Invention	INTERPOSABLE MAGNETICALLY COUPLED DEVICES		

Applicant	1 Remove		
If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section. Clear			
Assignee	Legal Representative under 35 U.S.C. 117		Joint Inventor
☒ Person to whom the inventor is obligated to assign.		☐ Person who shows sufficient proprietary interest	
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:			
Name of the Deceased or Legally Incapacitated Inventor :			
If the Applicant is an Organization check here. ☒			
Organization Name	1LSS, Inc.		
Mailing Address Information For Applicant:			
Address 1	27284 Marisa Dr		
Address 2			
City	Canyon County	State/Province	CA
Country	US	Postal Code	91387
Phone Number		Fax Number	
Email Address			
Additional Applicant Data may be generated within this form by selecting the Add button. Add			

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.			
Assignee	1 Remove		
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.			
If the Assignee or Non-Applicant Assignee is an Organization check here. ☐			

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1LSS-003/00US 322292-2005
		Application Number	
Title of Invention	INTERPOSABLE MAGNETICALLY COUPLED DEVICES		

Prefix	Given Name	Middle Name	Family Name	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1			
Address 2			
City		State/Province	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

Signature:

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Signature	/Justin J Leisey/		Date (YYYY-MM-DD)	2018-09-25
First Name	Justin J.	Last Name	Leisey	Registration Number
			65082	

Additional Signature may be generated within this form by selecting the Add button.

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
Title of Invention:		INTERPOSABLE MAGNETICALLY COUPLED DEVICES		
First Named Inventor/Applicant Name:		Fernando Mora		
Filer:		Justin James Leisey/Rula Lopez		
Attorney Docket Number:		1LSS-003/00US 322292-2005		
Filed as Small Entity				
Filing Fees for Provisional				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
PROVISIONAL APPLICATION FILING FEE	2005	1	140	140
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				140

Electronic Acknowledgement Receipt	
EFS ID:	33824878
Application Number:	62736379
International Application Number:	
Confirmation Number:	5476
Title of Invention:	INTERPOSABLE MAGNETICALLY COUPLED DEVICES
First Named Inventor/Applicant Name:	Fernando Mora
Customer Number:	58249
Filer:	Justin James Leisey/Rula Lopez
Filer Authorized By:	Justin James Leisey
Attorney Docket Number:	1LSS-003/00US 322292-2005
Receipt Date:	25-SEP-2018
Filing Date:	
Time Stamp:	19:33:51
Application Type:	Provisional

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$140
RAM confirmation Number	092618INTEFSW00006330501283
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Specification	1LSS-003-00US-PROV-APP-ASFILED.pdf	178114	no	15
			0f0f5aa57b8e9d2586e44d8fdff70c1f6fc5583		
Warnings:					
Information:					
2	Drawings-other than black and white line drawings	1LSS-003-00US-FIGS-ASFILED.pdf	11796951	no	32
			dc45588cb69a6d1a43b405a8468a535eb6dd1671		
Warnings:					
Information:					
3	Application Data Sheet	1LSS-003-00US-ADS-ASFILED.PDF	1561273	no	7
			f2eff3c7a7e26f9a4e65eb323d5cd009f0d8019		
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	29713	no	2
			b7ecd3b3d6ce375fc105d282e01d6b56388d0fef		
Warnings:					
Information:					
Total Files Size (in bytes):			13566051		

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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
62/736,379	09/25/2018		140	1LSS-003/00US 322292-2005		

CONFIRMATION NO. 5476

FILING RECEIPT



0000000102735073

58249
COOLEY LLP
ATTN: IP Docketing Department
1299 Pennsylvania Avenue, NW
Suite 700
Washington, DC 20004

Date Mailed: 10/02/2018

Receipt is acknowledged of this provisional patent application. It will not be examined for patentability and will become abandoned not later than twelve months after its filing date. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Fernando Mora, Reseda, CA;
Alejandro Baca, Canyon Country, CA;
Mydul Ronny Islam, Van Nuys, CA;

Applicant(s)

1LSS, Inc., Canyon Country, CA

Power of Attorney:

Justin Leisey--65082

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: No

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If Required, Foreign Filing License Granted: 10/01/2018

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 62/736,379**

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

INTERPOSABLE MAGNETICALLY COUPLED DEVICES

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No**PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER**Title 35, United States Code, Section 184****Title 37, Code of Federal Regulations, 5.11 & 5.15****GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier

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NOT GRANTED

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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:

☒ Practitioners associated with Customer Number: 140830

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number

Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:

☒ The address associated with Customer Number: 140830

OR

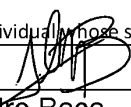
☐ Firm or individual name		
Address		
City	State	Zip
Country		
Telephone		Email

Assignee name and address:
1Lss, Inc.
529 S. Broadway, Suite 205
Los Angeles, CA 90013

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of the practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee.

Signature 	Date 06/11/2020
Name Alejandro Baca	Telephone 818-384-5434
Title CEO	

This collection of information is required by 37 CFR 1.31, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public, which is to update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 18 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt	
EFS ID:	40926183
Application Number:	62736379
International Application Number:	
Confirmation Number:	5476
Title of Invention:	INTERPOSABLE MAGNETICALLY COUPLED DEVICES
First Named Inventor/Applicant Name:	Fernando Mora
Customer Number:	58249
Filer:	Thomas M. Coester
Filer Authorized By:	
Attorney Docket Number:	1LSS-003/00US 322292-2005
Receipt Date:	23-OCT-2020
Filing Date:	25-SEP-2018
Time Stamp:	09:59:28
Application Type:	Provisional

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	POWER_1Lss.pdf	200125	no	2
			ee8e4557be35cfd2e5711e0d792fbb32cbb37ab8		

Warnings:

Information:	
Total Files Size (in bytes):	200125
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.	



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
62/736,379	09/25/2018	Fernando Mora	1LSS-003/00US 322292-2005

CONFIRMATION NO. 5476

140830

Thomas Coester Law Corporation dba TCIP

PO Box 5876

Santa Monica, CA 90409

POA ACCEPTANCE LETTER



OC000000120915081

Date Mailed: 10/28/2020

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 10/23/2020.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/sleutchit/