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(54) GOLF CLUB HOLDING DEVICE

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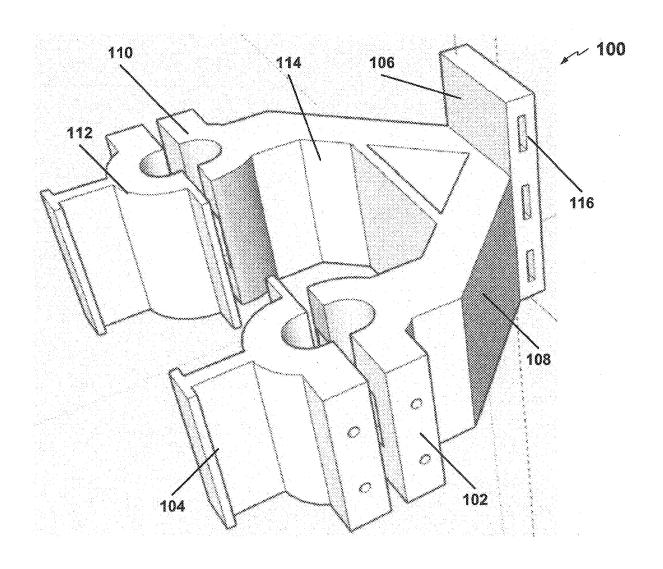
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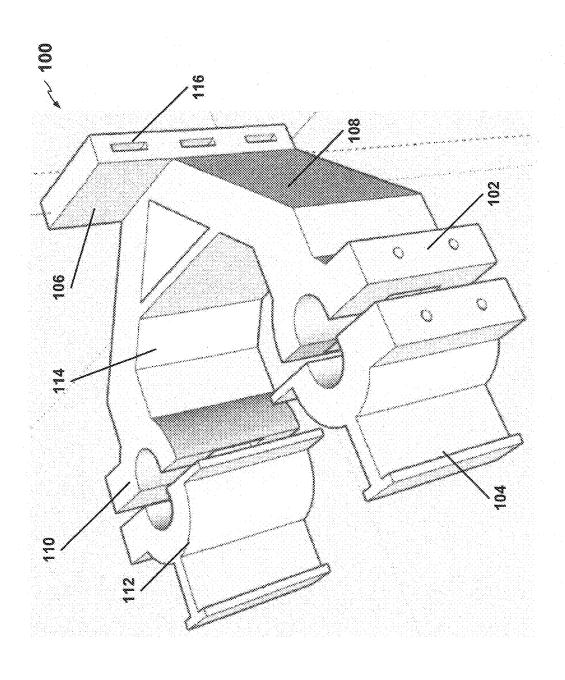
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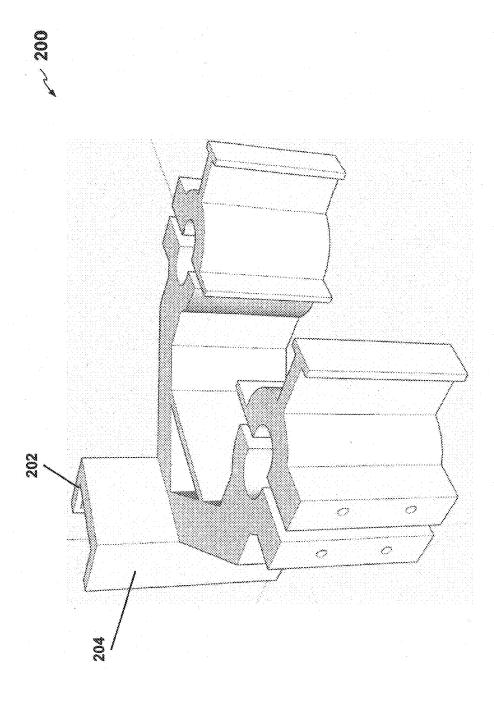
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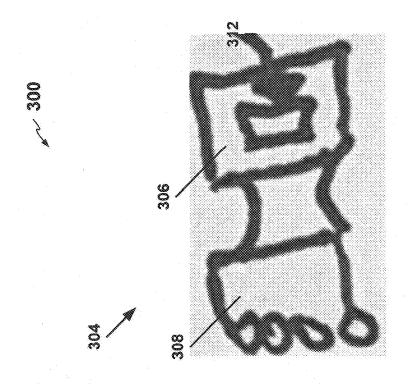
(57)ABSTRACT

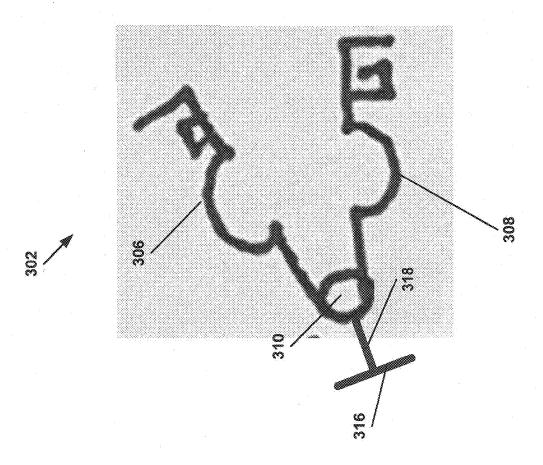
An apparatus includes an arm section having a concave surface, a strap configured to form an enclosed area with the concave surface, an attachment section configured to be secured to a surface, and an extension section attached to the attachment section and the arm section. In a double arm implementation, a third arm section having a second concave surface may also be included. The third arm section is oriented with the first and second concave surfaces facing each other. A fourth arm section may include a third concave surface. The fourth arm section may be oriented with the second and third concave surfaces facing one another. Another implementation may include door and clam shell configurations having a second contoured surface.



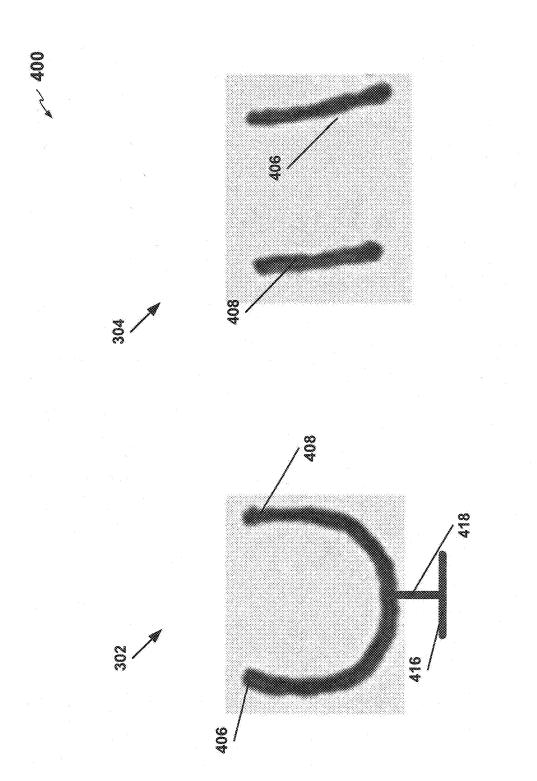




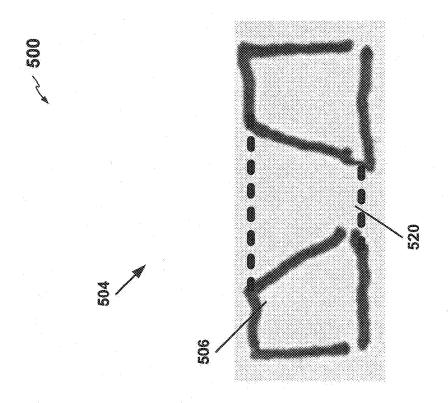


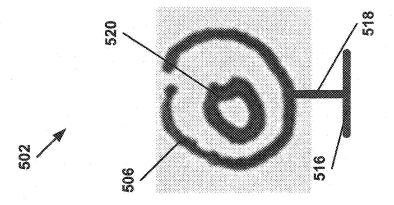


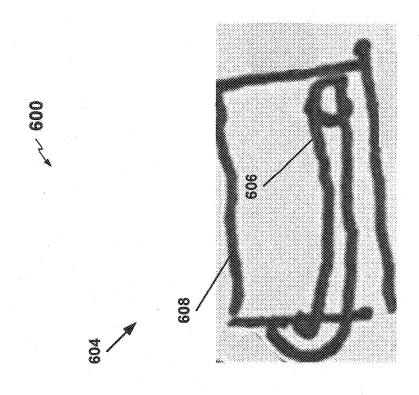


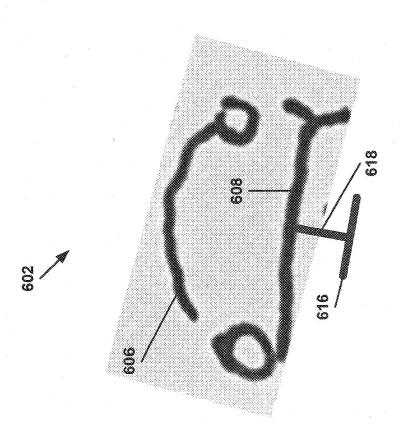


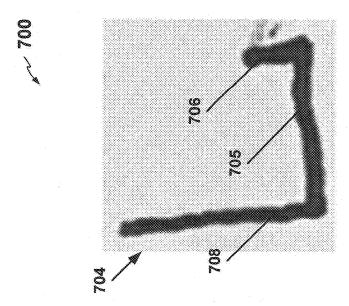


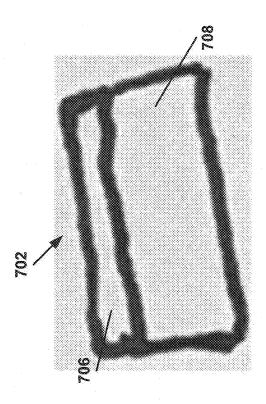


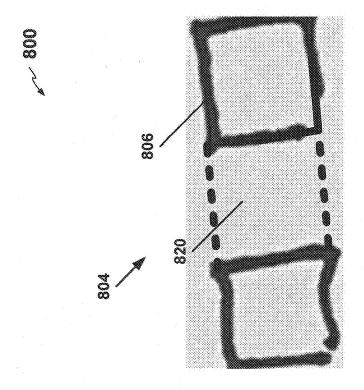


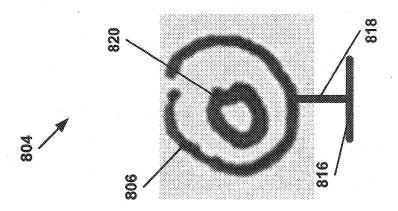












GOLF CLUB HOLDING DEVICE

TECHNICAL FIELD

[0001] The present disclosure relates generally to the game of golf, and to the particular field of golf club carriers and accessories.

BACKGROUND

[0002] Typically, a golf bag will be used to carry a full complement of golf club drivers, putters, irons, golf balls, tees, and other paraphernalia that will support or assist the golfer in playing the game. The golf bag is usually attached to a golf buggy or carried manually by means of a shoulder strap attached to the bag.

[0003] However, golf clubs carried in this way tend to become jumbled within the bag, making club selection both difficult and time consuming. Damage can also occur to both the shafts and the heads of the clubs, as they bump and rub together as the bag is carried and as clubs are removed and replaced progressively during the game. This can damage or adversely affect the performance of the clubs.

[0004] In an attempt to overcome these problems some golf bags are provided with several partitions, generally near the top of the bag. These partitions divide the clubs in groups, thereby reducing the extent to which they are jostled together.

[0005] However, the order of the clubs still tends to become jumbled both within and between compartments, as selected clubs are withdrawn or replaced, making selection difficult. Also, in any particular partitioned compartment the clubs are still able to impact against one another as the bag is moved.

[0006] This section is intended to introduce the reader to various aspects of art that may be related to various aspects of the present disclosure described or claimed below. This description is believed to be helpful in providing the reader with background information to facilitate a better understanding of the various aspects of the present disclosure. Accordingly, it should be understood that these statements are to be read in this light and not as admissions of prior art.

SUMMARY OF THE DISCLOSURE

[0007] An embodiment includes a system configured to removably secure one or more golf clubs to a golf bag or golf cart. In one aspect, an apparatus includes an arm section having a concave surface, a second arm section configured to form an enclosed area with the concave surface, an attachment section configured to be secured to a surface, and an extension section attached to the attachment section and the first arm section.

[0008] In a double arm implementation, a third arm section having a second concave surface may also be included. The third arm section is oriented with the first and second concave surfaces facing each other. A fourth arm section may include a third concave surface. The fourth arm section may be oriented with the second and third concave surfaces facing one another.

[0009] Another implementation may include door and clam shell configurations having a second contoured surface. In an example of a circle style implementation, the first and second arms form a circular aperture when positioned next to each other. The circular aperture may include a first opening that includes a first diameter that tapers to second

opening having a second diameter. The first and second arms form an aperture that includes a shape that includes at least one of: a triangular a rectangular, and a semi-circular surface

[0010] According to another aspect, the first and second arms fasten to one another using at least one of: hook and loop fasteners, a zip tie, a strap, a string, a screw, a bolt, a hook, a snap, a magnet, tape, a friction fit surface, clamp, rubber band, string, chain, or an adhesive. The fastener includes at least one of: a zip tie, a strap, a string, a screw, a bolt, a hook, a snap, a magnet, tape, a friction fit surface, clamp, rubber band, chain, a hook and loop fastener, or an adhesive. The first and second arms may be constructed using at least one of: plastic, metal, acrylonitrile butadiene styrene (ABS) plastic, or ceramic material. The flat surface of a particular embodiment includes a golf cart surface or a golf bag surface. A tab section may be attached to the first bracket section.

[0011] Various refinements exist of the features noted in relation to the above-mentioned aspects. Further features may also be incorporated in the above-mentioned aspects as well. These refinements and additional features may exist individually or in any combination. For instance, various features discussed below in relation to any of the illustrated examples may be incorporated into any of the above-described aspects, alone or in any combination.

BRIEF DESCRIPTION OF THE DRAWINGS

[0012] The following drawings form part of the present specification and are included to further demonstrate certain aspects of the present disclosure. The disclosure may be better understood by reference to one or more of these drawings in combination with the detailed description of specific embodiments presented herein.

[0013] FIG. 1 shows an illustrative embodiment of an apparatus that is configured to hold two golf clubs.

[0014] FIG. 2 shows an embodiment of another system that has features similar to the system of FIG. 1, in addition to a "C-shaped" attachment section.

[0015] FIG. 3 shows top and side views of a "door style" club securing mechanism 300 with first and second arms.

[0016] FIG. 4 shows a top view and a side view of a semicircle, or clamshell shape that includes first and second arms.

[0017] FIG. 5 shows a top view and a side view of a tapered style attachment mechanism that includes a hollowed and tapered structure and aperture.

[0018] FIG. 6 shows a top view and a side view of a cinch style attachment mechanism that includes a panel and a strap.

[0019] FIG. 7 shows a top view and a side view of an L-shaped, shelf style attachment mechanism that includes a panel, a shelf section upon which a club shaft can horizontally rest, and a lip section.

[0020] FIG. 8 shows a top view and a side view of a circular style attachment mechanism that includes a hollowed structure and aperture.

DETAILED DESCRIPTION

[0021] The present application is directed to a system, or apparatus, configure to removably attach one or more golf clubs to a golf bag or cart surface. The apparatus may receive and hold the golf club(s) in a manner that the club

is readily accessible, safe, and secure. The apparatus may secure a club in a number of ways described herein, including a clamp, strap, rubber band, rope, gravity, and friction fit, among others. The apparatus may attach to a substantially flat surface of the golf back or golf cart using tape, magnets, a strap, an adhesive, or hook and loop fasteners, among others.

[0022] According to an embodiment, the apparatus includes an arm section having a concave surface and a second arm section configured to form an enclosed area with the concave surface. The enclosed surface may roughly form (as viewed from above), an oval, a circle, a triangle, or rectangle, trapezoid, semi-circle, hexagon, rhombus, and parallelogram, among other known geometric shapes.

[0023] FIG. 1 shows an illustrative embodiment of an apparatus 100 that is configured to hold two golf clubs (not shown). One holder of the apparatus, or system 100, includes a first arm 102 and a second arm 104. An attachment section 106 may be configured to be secured to a substantially flat surface. An extension section 108 is shown attached to the attachment section 108 and the first arm section 102. A second half the system 100 includes a first arm 110 and a second arm 112. The attachment section 106 may be to both the first extension section 114 and the first arm section 110. The attachment section is shown to be substantially flat, and includes holes 116 for straps, plastic ties, or other fasteners.

[0024] FIG. 2 shows an embodiment of another system 200 that has features similar to the system 100 of FIG. 1, in addition to a "C-shaped" attachment section 202. In another embodiment (not shown), an "L-shaped" attachment section by leaving off sidewall 204.

[0025] Other embodiments may include more than the two arm sections that are shown in FIGS. 1 and 2, while others include arm sections that secure clubs in varied manners. FIG. 3 shows top and side views 302, 304 of a "door style" club securing mechanism 300 with first and second arms 306, 308. A hinge 310 is also illustrated. The first arm section 306 may include a magnet 312. The system 300 may be attached to an extension section 316 and an attachment mechanism 318, as depicted in the top view 302.

[0026] FIG. 4 shows a top view 402 and a side view 404 of a semicircle, or clamshell shape that includes first and second arms 406, 408. The system 400 may be attached to an extension section 416 and an attachment mechanism 418, as depicted in the top view 402.

[0027] FIG. 5 shows a top view 502 and a side view 504 of a tapered style attachment mechanism that includes a hollowed and tapered structure 506 and aperture 520. The system 500 may be attached to an extension section 516 and an attachment mechanism 518, as depicted in the top view 502.

[0028] FIG. 6 shows a top view 602 and a side view 604 of a cinch style attachment mechanism that includes a panel 608 and a strap 606. The system 600 may be attached to an extension section 616 and an attachment mechanism 618, as depicted in the top view 602.

[0029] FIG. 7 shows a top view 702 and a side view 704 of an L-shaped, shelf style attachment mechanism that includes a panel 708, a shelf section (upon which a club shaft can horizontally rest) and a lip section 706.

[0030] FIG. 8 shows a top view 802 and a side view 804 of a circular style attachment mechanism that includes a hollowed structure 806 and aperture 820. The system 800

may be attached to an extension section **816** and an attachment mechanism **818**, as depicted in the top view **802**.

[0031] As used herein, a strap may include a chain, string, rope, cord, or cable, among other elongated fasteners. As additionally as used herein, an element or step recited in the singular and proceeded with the word "a" or "an" should be understood as not excluding plural elements or steps unless such exclusion is explicitly recited. Furthermore, references to "one embodiment" of the disclosure or an "exemplary embodiment" are not intended to be interpreted as excluding the existence of additional embodiments that also incorporate the recited features. Likewise, limitations associated with "one embodiment" or "an embodiment" should not be interpreted as limiting to all embodiments unless explicitly recited.

[0032] Disjunctive language such as the phrase "at least one of X, Y, or Z," unless specifically stated otherwise, is generally intended, within the context presented, to disclose that an item, term, etc. may be either X, Y, or Z, or any combination thereof (e.g., X, Y, and/or Z). Likewise, conjunctive language such as the phrase "at least one of X, Y, and Z," unless specifically stated otherwise, is generally intended, within the context presented, to disclose at least one of X, at least one of Y, and at least one of Z.

[0033] The disclosed systems and methods are not limited to the specific embodiments described herein. Rather, components of the systems or steps of the methods may be utilized independently and separately from other described components or steps.

[0034] This written description uses examples to disclose various embodiments, which include the best mode, to enable any person skilled in the art to practice those embodiments, including making and using any devices or systems and performing any incorporated methods. The patentable scope is defined by the claims and may include other examples that occur to those skilled in the art. Such other examples are intended to be within the scope of the claims if they have structural elements that do not differ from the literal language of the claims, or if they include equivalent structural elements with insubstantial differences form the literal language of the claims.

What is claimed is:

- 1. An apparatus comprising:
- a first arm section having a concave surface;
- a second arm section configured to form an enclosed area with the concave surface;
- an attachment section configured to be secured to a surface; and
- an extension section attached to the attachment section and the first arm section.
- 2. The apparatus of claim 1, further comprising a third arm section having a second concave surface, wherein the third arm section is oriented with the concave surface and the second concave surfaces facing each other.
- 3. The apparatus of claim 2, further comprising a fourth arm section having a third concave surface, wherein the fourth arm section is oriented with the second and third concave surfaces facing one another.
- **4**. The apparatus of claim **1**, wherein the second arm includes a second contoured surface.
- 5. The apparatus of claim 1, wherein the first and second arms form a circular aperture when positioned next to each other.

- **6**. The apparatus of claim **5**, wherein the circular aperture comprises a first opening includes a first diameter that tapers to second opening having a second diameter.
- 7. The apparatus of claim 1, wherein the first and second arms form an aperture that includes a shape comprising at least one of: a triangular, a rectangular, and a semi-circular surface.
- 8. The apparatus of claim 1, wherein the first and second arms fasten to one another using at least one of: hook and loop fasteners (Velcro), a zip tie, a strap, a string, a screw, a bolt, a hook, a snap, a magnet, tape, a friction fit surface, clamp, rubber band, chain, or an adhesive.
- 9. The apparatus of claim 1, wherein the fastener includes at least one of: a zip tie, a strap, a string, a screw, a bolt, a hook, a snap, a magnet, tape, a friction fit surface, clamp, rubber band, string, chain, a hook and loop fastener, or an adhesive.

- 10. The apparatus of claim 1, wherein the first and second arms are constructed using at least one of: plastic, metal, acrylonitrile butadiene styrene (ABS) plastic, or ceramic material.
- 11. The apparatus of claim 1, wherein the surface includes at least one of: a golf cart surface or a golf bag surface.
- 12. The apparatus of claim 1, wherein the second arm is a strap.
 - 13. An apparatus comprising:
 - an arm section having a concave surface;
 - a strap configured to form an enclosed area with the concave surface;
 - an attachment section configured to be secured to a surface; and
- an extension section attached to the attachment section and the arm section.

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