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EXERCISE BELT

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References Cited

(71)

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(56)

U.S. PATENT DOCUMENTS

1,372,026 A * 3/1921 William A63B 23/03533
482/123
4,492,373 A * 1/1985 Dzitzer A63B 7/00
482/143
5,158,510 A * 10/1992 Lemire A63B 21/4001
52/74
5,209,712 A * 5/1993 Ferri A61H 1/02
482/131
5,238,279 A * 8/1993 Anteau B66C 1/18
294/74
5,336,151 A * 8/1994 Van Ballegoie
A63B 21/0442
482/121
5,360,384 A * 11/1994 Toensing A63B 21/4009
482/43

(56)

(Continued)

(60)

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See application file for complete search history.

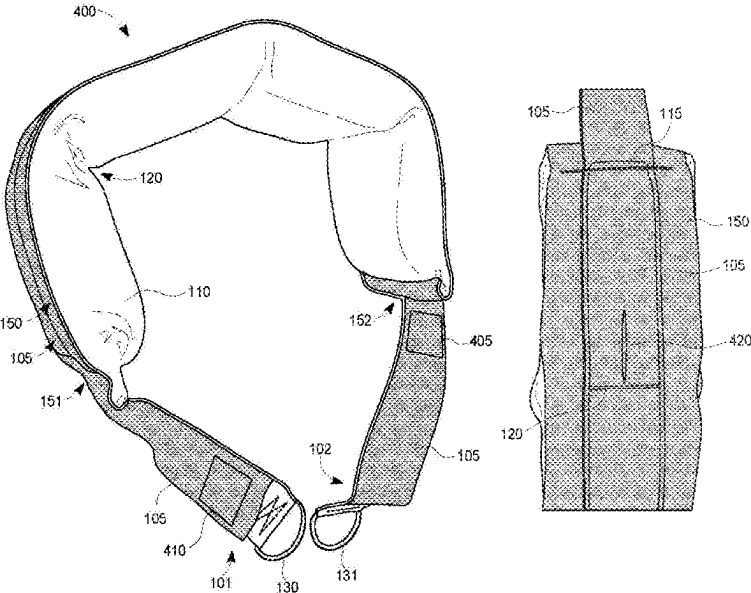
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ABSTRACT

An exercise belt includes an elongated belt, a padded portion, a strap, and first and second rings. The padded portion has a length less than a length of the elongated belt. The elongated belt is stitched with the padded portion at a point other than at first and second opposing ends of the elongated belt. The first and second rings are identical and are coupled to the first and second opposing ends of the elongated belt. The strap is disposed between the elongated belt and the padded portion which may provide additional structural support. The length of the elongated belt may be shortened by respectively routing the first and second opposing ends through first and second slits in the elongated belt and then respectively coupling the first and second opposing ends to corresponding hook and loop fasteners adjacent to each of the first and second opposing ends.

(57)

18 Claims, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,769,764	A *	6/1998	Tilberis	A63B 23/03575 482/126
5,919,119	A *	7/1999	Bohmer	A63B 22/02 482/69
8,858,408	B2 *	10/2014	DeMeo	A63B 21/4035 482/131
9,724,554	B2 *	8/2017	Burkinshaw	A63B 23/1218
9,808,666	B1 *	11/2017	Burkinshaw	A63B 21/068
9,914,012	B2 *	3/2018	Walter	A63B 22/02
11,529,546	B2 *	12/2022	Yan	A63B 22/02
2007/0161473	A1 *	7/2007	McBride	A63B 21/4009 482/105
2014/0005015	A1 *	1/2014	Hester	A63B 21/4043 482/131
2015/0367171	A1 *	12/2015	Truong	A63B 21/0414 482/4
2017/0189758	A1 *	7/2017	Angulo	A61F 5/30
2019/0232101	A1 *	8/2019	Angulo	A63B 21/0555
2021/0112951	A1 *	4/2021	Li	A45C 11/08
2022/0047910	A1 *	2/2022	Beck	A63B 21/0442
2025/0032827	A1 *	1/2025	Lee	A62B 35/0025

* cited by examiner

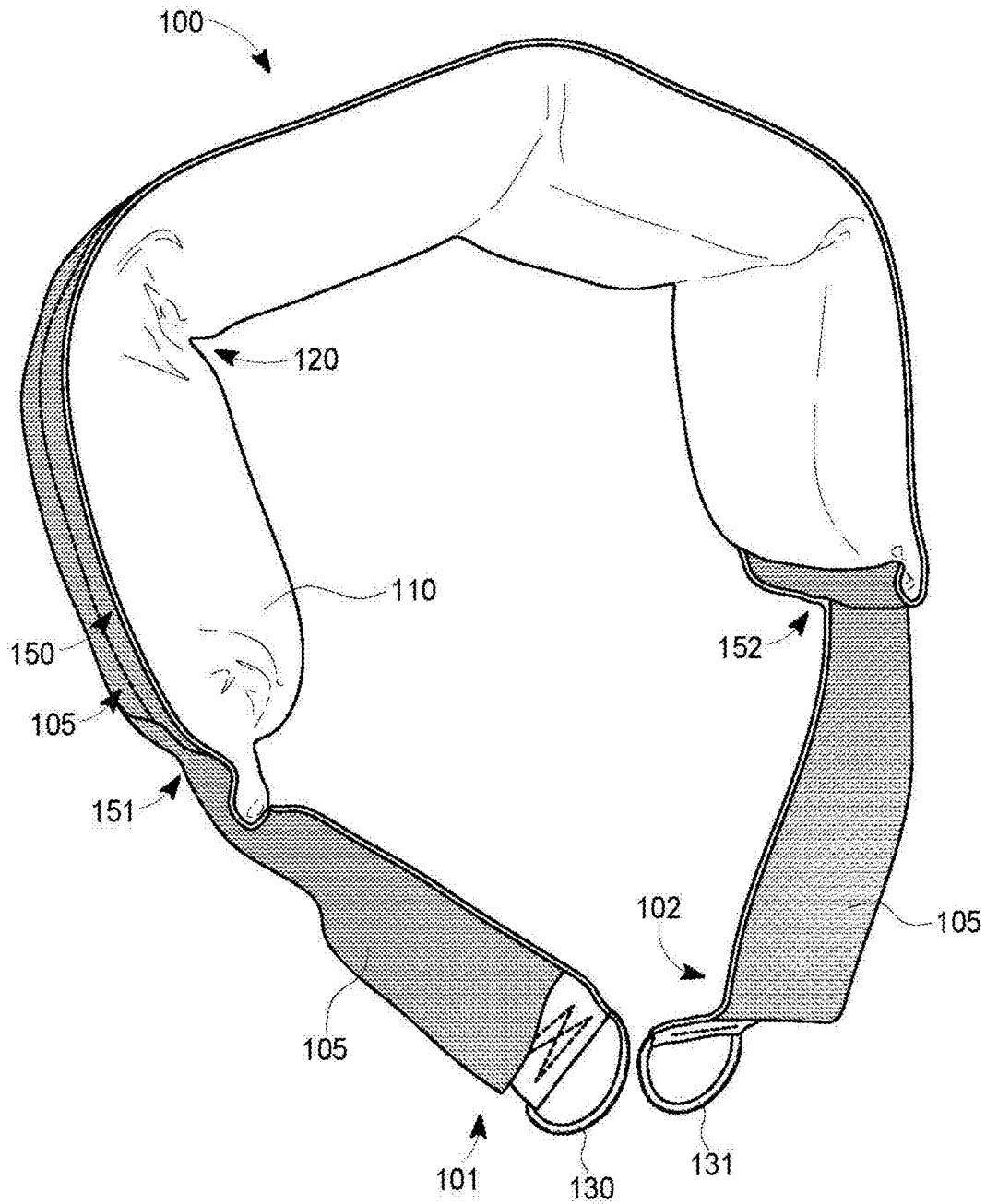


FIG. 1

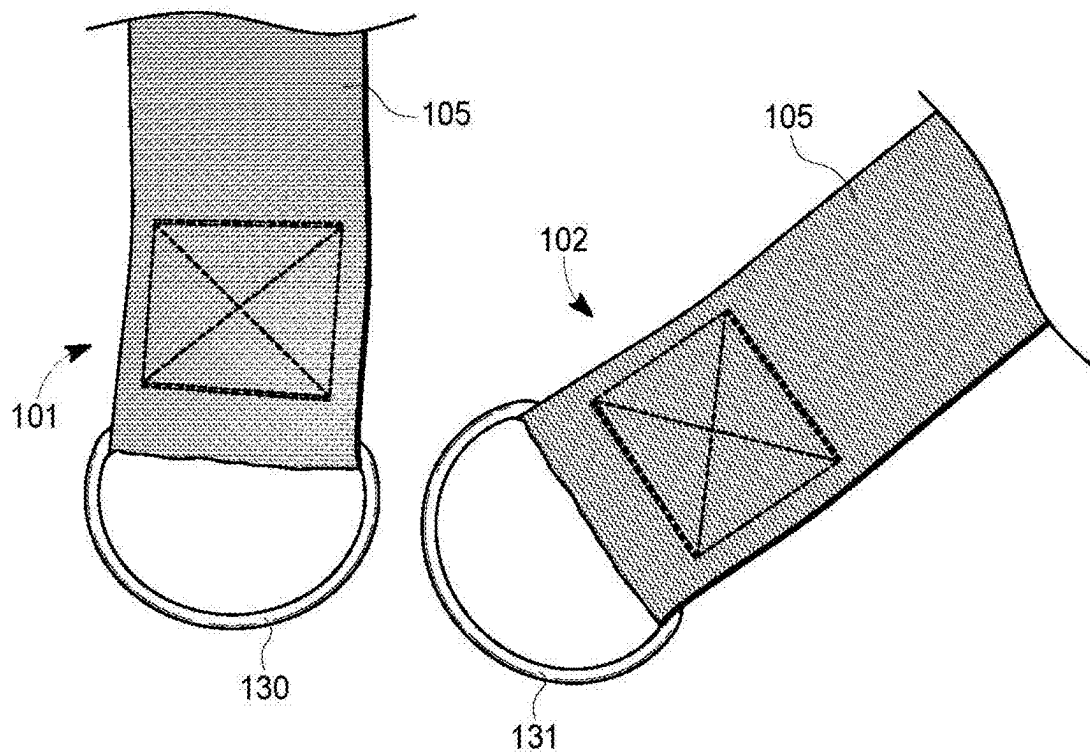


FIG. 2

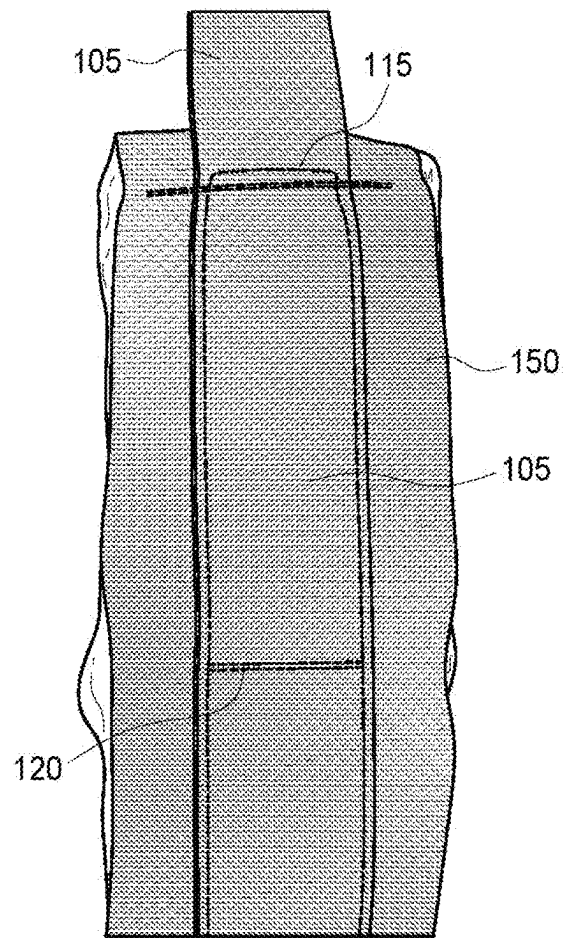


FIG. 3

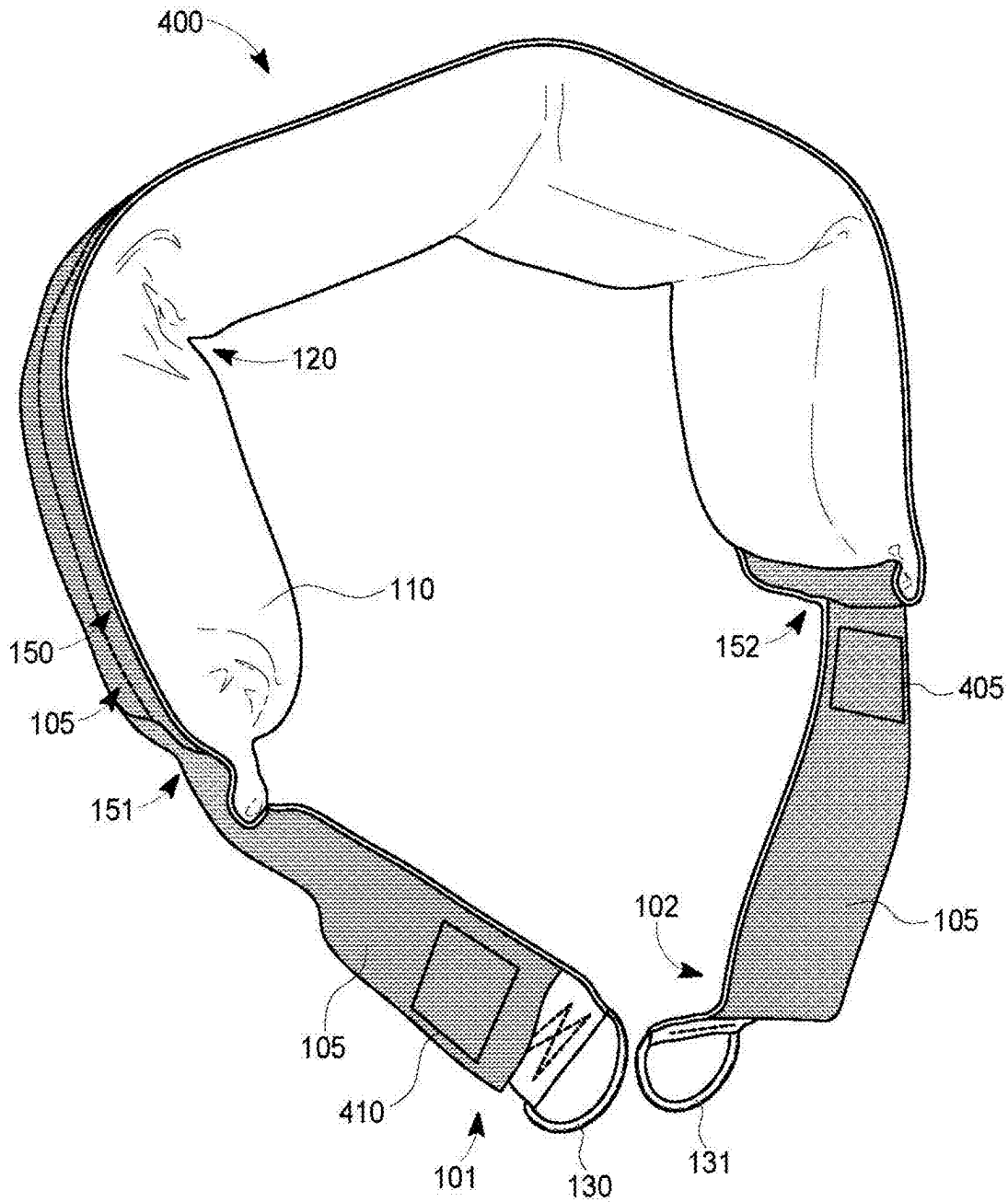


FIG. 4

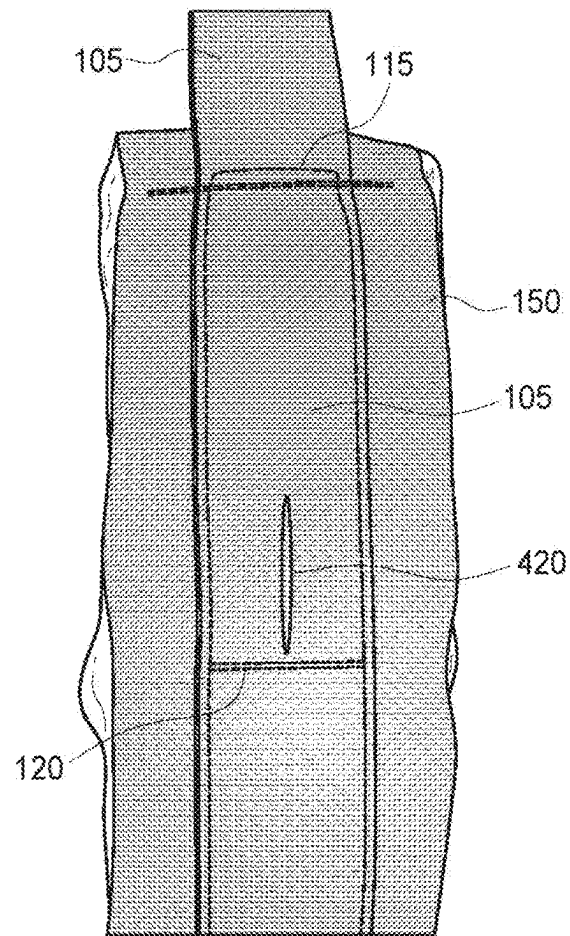


FIG. 5

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EXERCISE BELT

BACKGROUND

Exercise is a human need. Exercise gyms and exercise home equipment have a large and established market. This market includes common exercise equipment and has come to include very specific equipment that can be used to exercise specific muscles or muscle groups.

SUMMARY

An exercise belt is disclosed that can be used for various exercises such as, for example, to exercise the gluteal muscles.

For example, the exercise belt can include a belt having a first belt end, a second belt end, a belt width, and a belt length that extends from the first end to the second end; and a strap having a first strap end, a second strap end, a strap width, and a strap length extending from the first strap end to the second strap end. The strap width may be larger than the belt width, and/or the strap length may be less than the belt length. The exercise belt may include a pad having a first pad end, a second pad end, a pad width, and a pad length extending from the first pad end to the second pad end. The pad width may be substantially the same as the strap width. The pad length may be substantially the same as the strap length. The first pad end and the first strap end may be coupled together. The second pad end and the second strap end may be coupled together. The first pad end may be attached with a portion of the belt. A second pad end may be attached with a portion of the belt. A first ring may be coupled with the first end of the belt. A second ring may be coupled with the second end of the belt.

The pad may be coupled with the strap at a point other than the first strap end or the second strap end. The pad may be coupled with the belt at a point other than the first belt end or the second belt end. The belt may include nylon webbing or nylon material. The pad may include an odor resistant material. The belt length may be longer than about 44 inches. The belt width may be less than 3 inches and the strap width is less than 6 inches.

The exercise belt may include a first VELCRO portion coupled with belt at the first belt end; a second VELCRO portion coupled with the belt adjacent with the first belt end; a first VELCRO portion coupled with belt at the second belt end; a second VELCRO portion coupled with the belt adjacent with the second belt end; a first slit cut within the belt at a portion of the belt adjacent with the strap; and a second slit cut within the belt at a portion of the belt adjacent with the strap; and the first VELCRO portion and the second VELCRO portions are different VELCRO portions comprising loops or hooks.

As another example, an exercise belt may include a belt having a first belt end, a second belt end, a belt width, and a belt length that extends from the first end to the second end and a pad having a first pad end, a second pad end, a pad width, and a pad length extending from the first pad end to the second pad end. The pad length may be less than the belt length. The first pad end may be attached with a portion of the belt. The second pad end may be attached with a portion of the belt. A first ring may be coupled with the first end of the belt and a second ring may be coupled with the second end of the belt.

The pad may be coupled with the strap at a point other than the first strap end or the second strap end. The strap width may be less than the pad width. The belt comprises

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nylon webbing and/or an odor resistant material. The belt length may be longer than about 44 inches.

The belt may include a strap having a first strap end, a second strap end, a strap width, and a strap length extending from the first strap end to the second strap end. The strap width may be larger than the belt width. The strap length may be less than the belt length. The pad length may be substantially the same as the strap length. The first pad end and the first strap end may be coupled together. The second pad end and the second strap end may be coupled together.

The pad may be coupled with the belt at a point other than the first belt end or the second belt end.

The strap width may be less than 6 inches.

The exercise belt may also include a first VELCRO portion coupled with belt at the first belt end; a second VELCRO portion coupled with the belt adjacent with the first belt end; a first VELCRO portion coupled with belt at the second belt end; a second VELCRO portion coupled with the belt adjacent with the second belt end; a first slit cut within the belt at a portion of the belt adjacent with the strap; and a second slit cut within the belt at a portion of the belt adjacent with the strap. The first VELCRO portion and the second VELCRO portions may be different VELCRO portions comprising either loops or hooks.

BRIEF DESCRIPTION OF THE FIGURES

FIG. 1 is a top side view of an example exercise belt.

FIG. 2 shows the two ends of the exercise belt shown in FIG. 1.

FIG. 3 is a portion of a back side view of the exercise belt shown in FIG. 1.

FIG. 4 is a top side view of another example exercise belt.

FIG. 5 is a portion of a back side view of the exercise belt shown in FIG. 4.

DETAILED DESCRIPTION

An exercise belt is disclosed. The exercise belt, for example, may include an elongated belt stitched with a shorter padded portion and having rings on both ends of the belt. The exercise belt may also include a strap disposed between the belt and the padded portion that may, for example, provide additional structural support. The exercise belt may include VELCRO on portions of the belt and slit through portions of the belt that allow a user to shorten the length of the belt when in use.

In use, the padded portion may be worn across the front waist of a person such that the ends of the belt and the rings are located behind the person. These rings, for example, may be coupled with various exercise equipment to perform various exercises such as, for example, to exercise one or all of the gluteal muscles.

FIG. 1 is a top side view of an exercise belt 100. The exercise belt 100 may include a belt 105 that may have a first belt end 101 and a second belt end 102. The belt 105 has a belt width, which may, for example, be less than about 4, 3, or 2 inches. The belt 105 has a belt length, which may, for example, be less than about 60, 55, 45, 40, etc. inches. The belt length may extend from the first belt end 101 to the second belt end 102.

The first belt end 101 may be coupled with a first belt ring 130. The second belt end 102 may be coupled with a second belt ring 131. The first belt ring 130 and/or the second belt ring 131, for example, may be a metallic rings or a metallic D ring. The first belt end 101 may be folded over a portion of the first belt ring 130 and stitched with a portion of the

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belt **105** near the first belt end **101**. The second belt end **102** may be folded over a portion of the second belt ring **131** and stitched with a portion of the belt **105** near the second belt end **102**. The first belt ring **130** and the second belt ring **131** may comprise the same type or shape of ring.

The first belt ring **130** and/or the second belt ring **131**, for example, may include a D ring having an arced portion and a straight portion. The flat portion, for example, may be coupled with the belt **105**. For example, the first belt end **101** may be folded over the straight portion of the first belt ring **130** and stitched with a portion of the belt **105** near the first belt end **101**; and/or the second belt end **102** may be folded over the straight portion of the second belt ring **131** and stitched with a portion of the belt **105** near the second belt end **102**.

The belt **105**, for example, may comprise a nylon material such as, for example, nylon webbing.

The exercise belt **100** may include a strap **150** having a first strap end **151** and a second strap end **152**. The strap **150** may have a strap width that may, for example, be less than about 8, 6, 5, 4, 3, etc. inches. The strap **150** may have a strap length that extends from the first strap end **151** to the second strap end **152**. The strap length, for example, may be less than about 30, 24, 28, 26, 24, etc. inches.

The strap width, for example, may be larger than the belt width. The strap length, for example, may be less than the belt length.

The strap **150**, for example, may comprise a nylon material such as, for example, nylon webbing, polypropylene webbing, polypropylene webbing, hemp webbing, cotton webbing, polyester webbing, linen webbing, or similar webbing.

The exercise belt **100** may include a pad **110** or a plurality of pads. The pad **110** may have a first pad end and a second pad end. The first pad end may be coupled with the first strap end **151** such as, for example, with stitching. The second pad end may be coupled with the second strap end **152** such as, for example, with stitching. The pad **110** may have a pad width that may, for example, be less than about 10, 8, 6, etc. inches. The pad **110** may have a pad length that may, for example, be less than about 30, 24, 28, etc. inches.

The pad width, for example, may be substantially the same as the strap width. The pad length, for example, may be substantially the same as the strap length.

The pad **110**, for example, may comprise a polyester, spandex, polypropylene, nylon, polyester, sorona, elastane lycra, cotton, etc. material (or a combination thereof) surrounding a padding material. The pad **110**, for example, may comprise an odor resistant material.

The pad **110**, may be filled with a padding material that includes foam or other padding or filler.

The first pad end may be coupled with the first strap end **151** such as, for example, with stitching. The first pad end and the first strap end **151** may be coupled with the belt **105** such as, for example, with stitching. The second pad end may be coupled with the second strap end **152** such as, for example, with stitching. The second pad end and the second strap end **152** may be coupled with the belt **105** such as, for example, with stitching.

The first strap end **151** may be folded over the first pad end and stitched to the first pad end and a portion of the strap **150** near the first strap end **151**. The second strap end **152** may be folded over the second pad end and stitched to the second pad end and a portion of the strap **150** near the second strap end **152**.

The belt **105**, for example, may be stitched with the strap **150** along a length of the strap **150**. The belt **105**, for

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example, may be stitched with the strap **150** along both sides of the belt **105** along a length of the strap **150**.

The belt **105**, the strap **150**, and/or the pad **110** may be stitched together at a plurality of points along the pad **110** and/or the strap **150**. This may, for example, allow for a plurality of portions of the pad to be stitched and compressed, a plurality of other portions that remain full and padded.

The strap **150** may be stitched with the **110** at a plurality of portions of the pad **110** and the strap **150**.

FIG. 2 shows the first belt end **101** coupled with the first belt ring **130** and the second belt end **102** coupled with the second belt ring **131**.

FIG. 3 shows a portion of a back side view of an exercise belt **100**. The belt **105** and/or the strap **150**, for example, may be stitched with the pad **110** with a stitch **120** that extends along a width of the belt **105**. The belt **105** and/or an end of the strap **150** (e.g., first strap end **151** or second strap end **152**), for example, may be stitched with the pad **110** with a stitch **115** that extends along a width of the belt **105** or along a width of the strap **150**.

The strap **105**, for example, may be coupled with the strap **150** via stitching running the length of the strap **150** on either or both sides of the strap **105**. As another example, the strap **105** may be coupled with the strap **150** at a number of attachment points (e.g., 3, 4, 5, 6 etc.) with stitching running the width of the strap **105** at each of the attachment points. As another example, the strap **105** may be coupled with the strap **150** both 1) at a number of attachment points (e.g., 3, 4, 5, 6 etc.) with stitching running the width of the strap **105** at each of the attachment points and 2) via stitching running the length of the strap **150** on either or both sides of the strap **105**.

FIG. 4 is a top side view of another example exercise belt **400**. In this example, the exercise belt **100** is modified to form exercise belt **400** in a way that may allow the belt to be shortened. In this example, the belt **105** may include VELCRO on the portions of the belt **105** that is not coupled with or attached with pad **110**. A first VELCRO portion **410** may be attached to the belt **105** adjacent with the first belt end **101** on a first side of the belt **105**. Another first VELCRO portion **410** may also be attached to the belt **105** adjacent with the second belt end **102** on the first side of the belt **105**. The first side of the belt **105** is the portion of the belt **105** facing away from the pad **110**. A second VELCRO portion **405** may be attached to the belt **105** adjacent with the first strap end **151** on a second side of the belt **105**. Another second VELCRO portion **405** may also be attached to the belt adjacent with the second strap end **152** on the second side of the belt **105**. The second side of the belt **105** is the portion of the belt **105** facing toward the pad **110**.

In one example, the first VELCRO portion **410** may include fabric with hooks and the second VELCRO portion **405** may include fabric with loops. As another example, the second VELCRO portion **405** may include fabric with hooks and the first VELCRO portion **410** may include fabric with loops.

FIG. 5 is a portion of a back side view of the exercise belt shown in FIG. 4. The belt **105**, for example, may include two slits cut within two different portions of the belt **105**. A first slit **420** may be in a portion of the belt **105** adjacent to the pad **100** on one end of the belt and a second slit (similar to the first slit) may be in a portion of the belt **105** adjacent to the pad **110** on the other end of the belt. The belt **105** may include stitching on or around all or a portion of either slit to reinforce the slit. The slits may have a length that is larger

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than the width of the belt **105** such as, for example, 5%, 10%, 15%, 20% larger than the width of the belt **105**.

The length of the strap **105** that extends from the first strap end **151** to the first belt end **101** may be twice the length as the distance from the slit to the first strap end **151** and/or the length of the strap **105** that extends from the second strap end **152** to the second belt end **102** may be twice the length as the distance from the slit to the second strap end **152**.

To shorten the length of the exercise belt **400**, the first belt end **101** may be routed through a first slit and the second VELCRO portion **405** may be coupled with the first VELCRO portion **410** and the second belt end **102** may be routed through a second slit and the second VELCRO portion **405** may be coupled with the first VELCRO portion **410**.

Unless otherwise specified, the term “substantially” means within 5% or 10% of the value referred to or within manufacturing tolerances. Unless otherwise specified, the term “about” means within 5% or 10% of the value referred to or within manufacturing tolerances.

The conjunction “or” is inclusive.

The terms “first”, “second”, “third”, etc. are used to distinguish respective elements and are not used to denote a particular order of those elements unless otherwise specified or order is explicitly described or required.

Numerous specific details are set forth to provide a thorough understanding of the claimed subject matter. However, those skilled in the art will understand that the claimed subject matter may be practiced without these specific details. In other instances, methods, apparatuses or systems that would be known by one of ordinary skill have not been described in detail so as not to obscure claimed subject matter.

While the present subject matter has been described in detail with respect to specific embodiments thereof, it will be appreciated that those skilled in the art, upon attaining an understanding of the foregoing, may readily produce alterations to, variations of, and equivalents to such embodiments. Accordingly, it should be understood that the present disclosure has been presented for purposes of example rather than limitation, and does not preclude inclusion of such modifications, variations and/or additions to the present subject matter as would be readily apparent to one of ordinary skill in the art.

That which is claimed:

1. An exercise belt comprising:

a belt having a first belt end, a second belt end, a belt width, and a belt length that extends from the first belt end to the second belt end;

a strap having a first strap end, a second strap end, a strap width, and a strap length extending from the first strap end to the second strap end, wherein:

the strap width is larger than the belt width, and
the strap length is less than the belt length;

a pad having a first pad end, a second pad end, a pad width, and a pad length extending from the first pad end to the second pad end, wherein:

the pad width is substantially the same as the strap width,

the pad length is substantially the same as the strap length,

the first pad end and the first strap end are coupled together,

the second pad end and the second strap end are coupled together,

the first pad end is attached with a first portion of the belt, and

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the second pad end is attached with a second portion of the belt;

a first ring coupled with the first belt end of the belt;

a second ring coupled with the second belt end of the belt;

a first belt end first hook and loop portion coupled with the belt at the first belt end;

a first belt end second hook and loop portion coupled with the belt adjacent with the first belt end;

a second belt end first hook and loop portion coupled with the belt at the second belt end;

a second belt end second hook and loop portion coupled with the belt adjacent with the second belt end;

a first slit cut within the belt at a third portion of the belt adjacent with the strap; and

a second slit cut within the belt at a fourth portion of the belt adjacent with the strap;

wherein the first hook and loop portions and the second hook and loop portions are respectively different portions comprising loops or hooks; and

wherein the belt length is configured to be shortened by respectively routing the first and second belt ends through the first and second slit cuts within the belt, and then respectively coupling the first belt end first and second hook and loop portions and the second belt end first and second hook and loop portions.

2. The exercise belt according to claim 1, wherein the pad is coupled with the strap at a point other than the first strap end or the second strap end.

3. The exercise belt according to claim 1, wherein the pad is coupled with the belt at a point other than the first belt end or the second belt end.

4. The exercise belt according to claim 1, wherein the belt comprises nylon webbing.

5. The exercise belt according to claim 1, wherein the pad comprises a nylon material.

6. The exercise belt according to claim 1, wherein the pad comprises an odor resistant material.

7. The exercise belt according to claim 1, wherein the belt length is longer than about 44 inches.

8. The exercise belt according to claim 1, wherein the belt width is less than 3 inches and the strap width is less than 6 inches.

9. An exercise belt comprising:

a belt having a first belt end, a second belt end, a belt width, and a belt length that extends from the first belt end to the second belt end;

a pad having a first pad end, a second pad end, a pad width, and a pad length extending from the first pad end to the second pad end, wherein:

the pad length is less than the belt length,

the first pad end is attached with a first portion of the belt, and

the second pad end is attached with a second portion of the belt;

a first ring coupled with the first belt end of the belt;

a second ring coupled with the second belt end of the belt;

a first belt end first hook and loop portion coupled with the belt at the first belt end;

a first belt end second hook and loop portion coupled with the belt adjacent with the first belt end;

a second belt end first hook and loop portion coupled with the belt at the second belt end;

a second belt end second hook and loop portion coupled with the belt adjacent with the second belt end;

a first slit cut within the belt at a third portion of the belt adjacent with the strap; and

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a second slit cut within the belt at a fourth portion of the belt adjacent with the strap;

wherein the first hook and loop portions and the second hook and loop portions are respectively different portions comprising loops or hooks; and

wherein the belt length is configured to be shortened by respectively routing the first and second belt ends through the first and second slit cuts within the belt, and then respectively coupling the first belt end first and second hook and loop portions and the second belt end first and second hook and loop portions.

10. The exercise belt according to claim 9, wherein the belt comprises nylon webbing.

11. The exercise belt according to claim 9, wherein the pad comprises an odor resistant material.

12. The exercise belt according to claim 9, wherein the belt length is longer than about 44 inches.

13. The exercise belt according to claim 9, further comprising a strap having a first strap end, a second strap end, a strap width, and a strap length extending from the first strap end to the second strap end, wherein:

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the strap width is larger than the belt width, and the strap length is less than the belt length.

14. The exercise belt according to claim 13, wherein the pad is coupled with the strap at a point other than the first strap end or the second strap end.

15. The exercise belt according to claim 13, wherein the strap width is less than the pad width.

16. The exercise belt according to claim 13, wherein: the pad length is substantially the same as the strap length; the first pad end and the first strap end are coupled together; and

the second pad end and the second strap end are coupled together.

17. The exercise belt according to claim 13, wherein the pad is coupled with the belt at a point other than the first belt end or the second belt end.

18. The exercise belt according to claim 13, wherein the strap width is less than 6 inches.

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