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(54) **SYSTEMS, METHODS AND APPARATUS OF AN URBAN SPUR**

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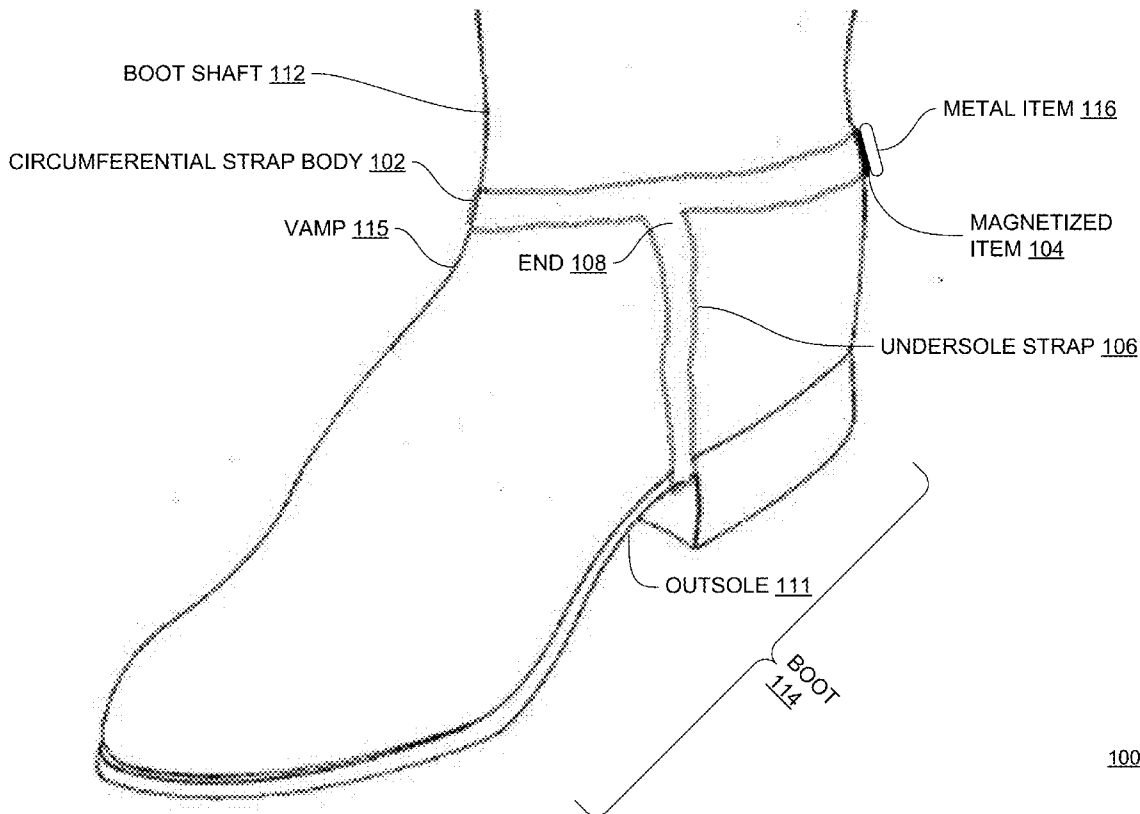
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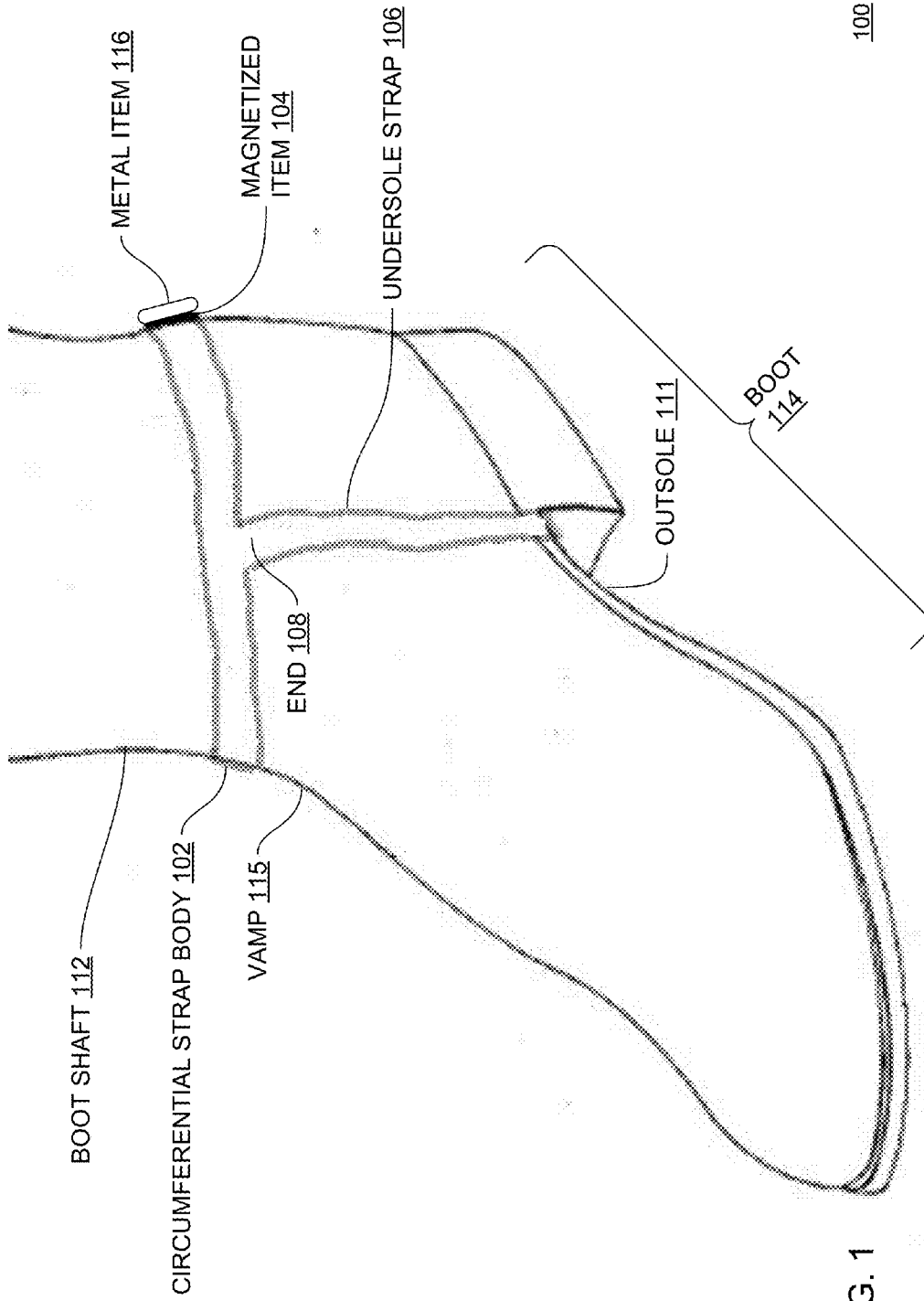
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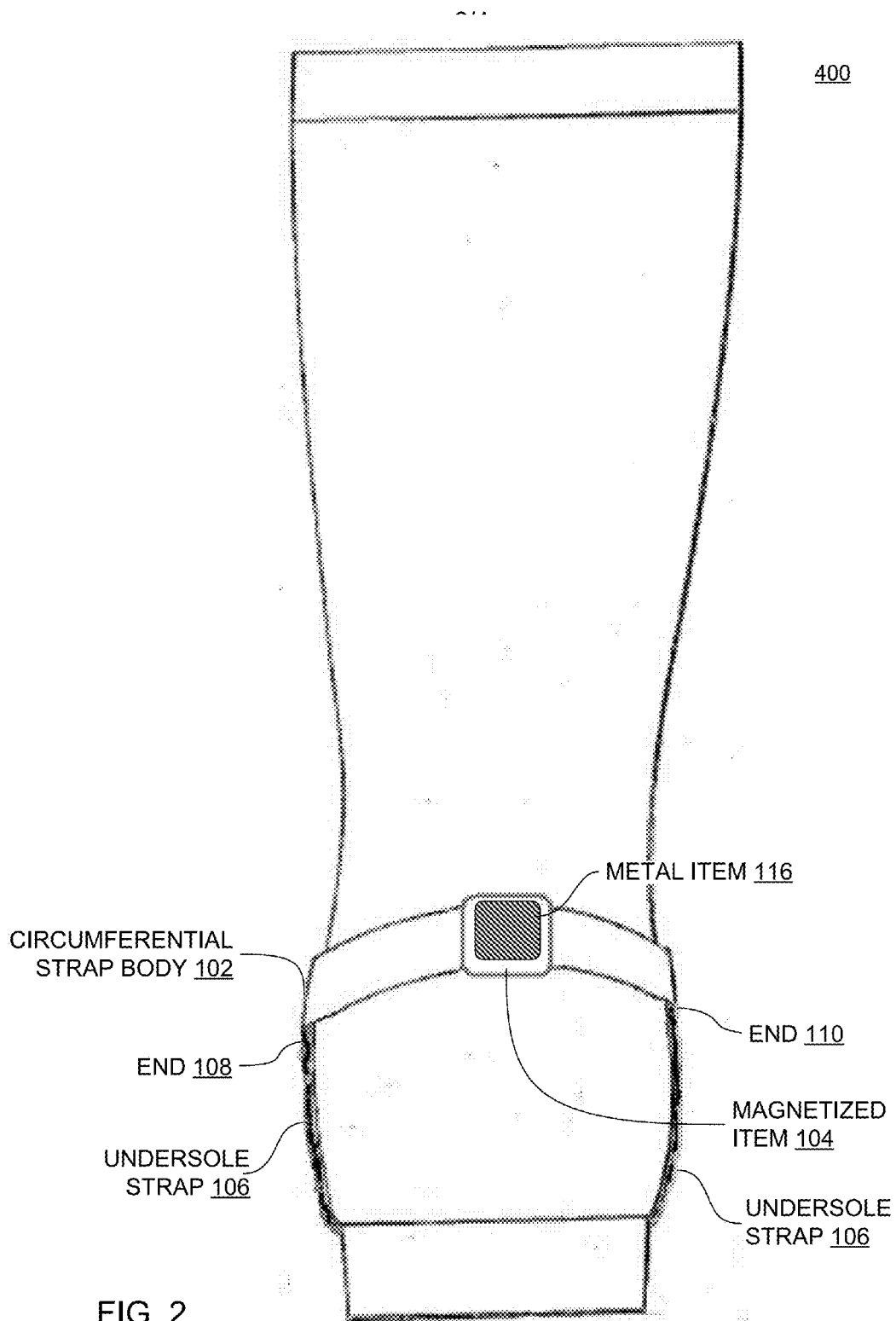
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(57) **ABSTRACT**

Systems, methods and apparatus are provided through which in some implementations a circumferential strap body having a magnetized item is fixedly attached to the circumferential strap body, an undersole strap having two ends is operably coupled to the circumferential strap body by at least one of the two ends of the undersole strap, and a metal item is magnetically attached to the magnetized item to pin or immobilize a boot cuff between the magnetized item and the metal item to prevent the boot cuff from moving under a heel of a boot and becoming damaged or frayed while walking.







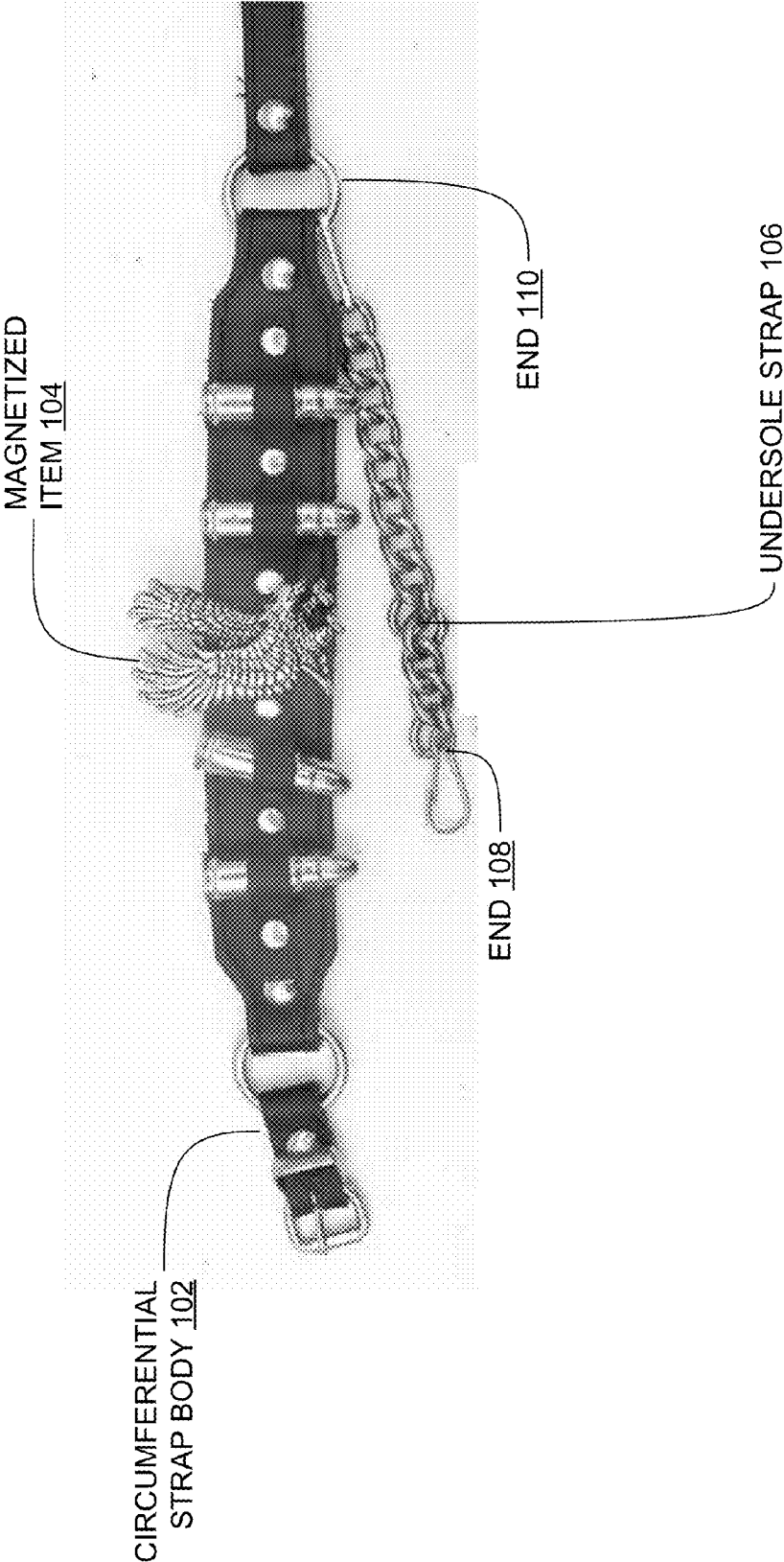


FIG. 3

100

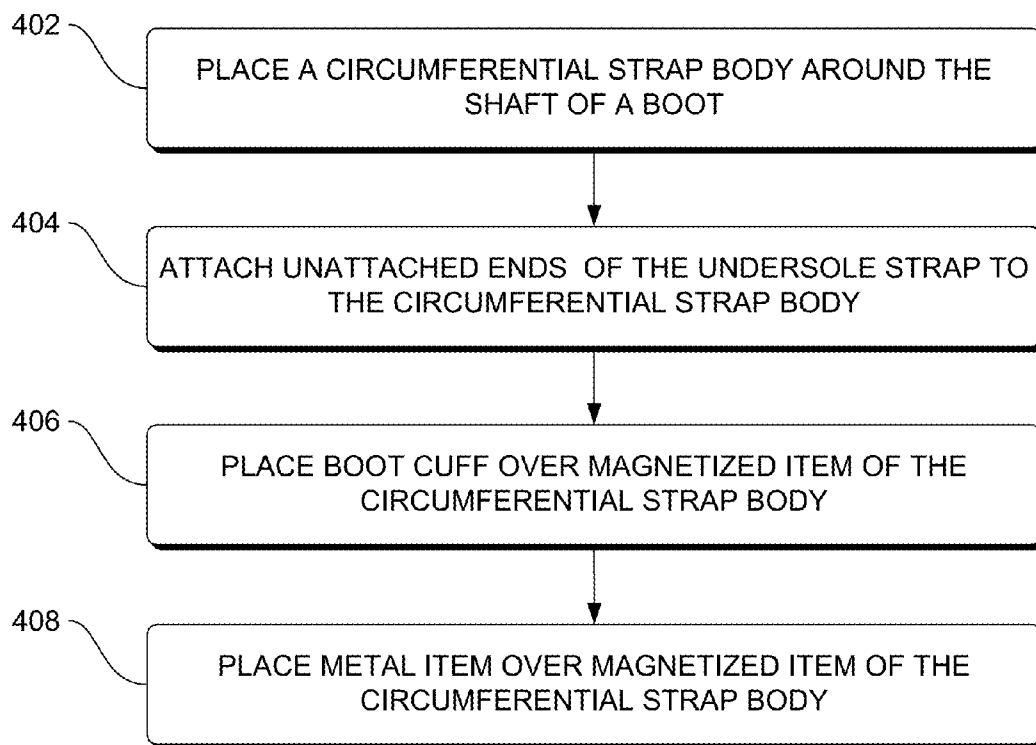


FIG. 4

SYSTEMS, METHODS AND APPARATUS OF AN URBAN SPUR

FIELD

[0001] This disclosure relates generally to articles of clothing, and more particularly to boot straps.

BACKGROUND

[0002] Boot cuffs extend over boots. Quite often, the boot cuffs extend far enough toward the bottom of the boots where the end of the boot cuff rubs against the heel of the boot or is stepped on by the heel, thereby grinding and damaging the fabric of the boot cuff.

BRIEF DESCRIPTION

[0003] The above-mentioned shortcomings, disadvantages and problems are addressed herein, which will be understood by reading and studying the following specification.

[0004] In one aspect, a system comprises a circumferential strap body having a magnetized item fixedly attached to the circumferential strap body, an undersole strap having two ends and operably coupled to the circumferential strap body by at least one of the two ends of the undersole strap, and a metal item that is magnetically attached to the magnetized item.

[0005] In another aspect, an apparatus that immobilize a boot cuff includes a circumferential strap body having two ends, the circumferential strap body having a magnetized item fixedly attached to the circumferential strap body about midpoint between the two ends and an undersole strap having two ends operably coupled to the circumferential strap body between the two ends of the circumferential strap body by at least one of the two ends of the undersole strap.

[0006] Apparatus, systems, and methods of varying scope are described herein. In addition to the aspects and advantages described in this summary, further aspects and advantages will become apparent by reference to the drawings and by reading the detailed description that follows.

BRIEF DESCRIPTION OF THE DRAWINGS

[0007] FIG. 1 is block diagram of an overview of a system to immobilize a boot cuff, according to an implementation;

[0008] FIG. 2 is a block diagram of apparatus according to an implementation;

[0009] FIG. 3 is a block diagram of apparatus according to an implementation; and

[0010] FIG. 4 is a flowchart of a method according to an implementation.

DETAILED DESCRIPTION

[0011] In the following detailed description, reference is made to the accompanying drawings that form a part hereof, and in which is shown by way of illustration specific implementations which may be practiced. These implementations are described in sufficient detail to enable those skilled in the art to practice the implementations, and it is to be understood that other implementations may be utilized and that logical, mechanical, electrical and other changes may be made without departing from the scope of the implementations. The following detailed description is, therefore, not to be taken in a limiting sense.

[0012] The detailed description is divided into four sections. In the first section, a system level overview is described. In the second section, apparatus of implementations are described. In the third section, implementations of methods are described. Finally, in the fourth section, a conclusion of the detailed description is provided.

System Level Overview

[0013] FIG. 1 is block diagram of an overview of a system 100 to immobilize a boot cuff, according to an implementation. System 100 provides protection to the boot cuff.

[0014] System 100 includes a circumferential strap body 102. The circumferential strap body 102 has a magnetized item 104 that is fixedly attached to the circumferential strap body 102.

[0015] System 100 also has an undersole strap 106. The undersole strap 106 has two ends 108 and 110 (not shown). The undersole strap 106 is operably coupled to the circumferential strap body 102 by at least one (108 and/or 110) of the two ends (108 and 110) of the undersole strap 106 and extends around the outsole 111.

[0016] When the circumferential strap body 102 is placed around the shaft 112 of a boot 114 and both ends 108 and 110 of the undersole strap 106 is attached to the circumferential strap body 102, the undersole strap 106 prevents the circumferential strap body 102 from moving any further away from the sole than the length of the undersole strap 106 allows. Typically, the undersole strap 106 has a length that holds the circumferential strap body 102 in a snug relationship along the vertical axis of the shaft 112 just above the vamp 115 of boot 114.

[0017] System 100 also has a metal item 116 that is magnetically attached to the magnetized item 104. The magnetized item 104 exerts a magnetic force upon the metal item 116. When a boot cuff is placed between the magnetized item 104 and the metal item 116, the magnetic force between the magnetized item 104 and the metal item 116 pins and immobilizes the boot cuff in an immovable position relative to the magnetized item 104 and the metal item 116. In some implementations, the metal item 116 is magnetized in a polarity that is the opposite of the magnetized item 104 which increases the magnetic force between the magnetized item 104 and the metal item 116.

[0018] In some embodiments, item 104 is a non-magnetized item and item 116 is a magnetized item.

[0019] While the system 100 is not limited to any particular circumferential strap body 102, magnetized item 104, undersole strap 106, ends 108 and 110, outsole 111, shaft 112, boot 114, vamp 115 and metal item 116, for sake of clarity a simplified circumferential strap body 102, magnetized item 104, undersole strap 106, ends 108 and 110, shaft 112, boot 114, vamp 115 and metal item 116 are described.

Apparatus Implementations

[0020] In the previous section, a system level overview of the operation of an implementation was described. In this section, the particular apparatus of such an implementation are described by reference to a series of diagrams.

[0021] FIG. 2 is a block diagram of apparatus 200 according to an implementation.

[0022] Apparatus 200 includes a circumferential strap body 102. The circumferential strap body 102 has a magnetized item 104 that is fixedly attached to the circumferential strap body 102.

[0023] Apparatus 200 also has an undersole strap 106. The undersole strap 106 has two ends 108 and 110 (not shown). The undersole strap 106 is operably coupled to the circumferential strap body 102 by at least one (108 and/or 110) of the two ends (108 and 110) of the undersole strap 106 and extends around the outsole 111.

[0024] When the circumferential strap body 102 is placed around the shaft 112 of a boot 114 and both ends 108 and 110 of the undersole strap 106 is attached to the circumferential strap body 102, the undersole strap 106 prevents the circumferential strap body 102 from moving any further away from the sole than the length of the undersole strap 106 allows. Typically, the undersole strap 106 has a length that holds the circumferential strap body 102 in a snug relationship along the vertical axis of the shaft 112 just above the vamp 115 of boot 114.

[0025] Apparatus 200 also has a metal item 116 that is magnetically attached to the magnetized item 104. The magnetized item 104 exerts a magnetic force upon the metal item 116. When a boot cuff is placed between the magnetized item 104 and the metal item 116, the magnetic force between the magnetized item 104 and the metal item 116 pins and immobilizes the boot cuff in an immovable position relative to the magnetized item 104 and the metal item 116.

[0026] FIG. 3 is a block diagram of apparatus 300 according to an implementation.

[0027] Apparatus 300 includes a circumferential strap body 302. The circumferential strap body 302 has a magnetized item 104 that is fixedly attached to the circumferential strap body 302.

[0028] Apparatus 300 also has an undersole strap 106. The undersole strap 106 has two ends 108 and 110 (not shown). The undersole strap 106 is operably coupled to the circumferential strap body 302 by at least one (108 and/or 110) of the two ends (108 and 110) of the undersole strap 106 and extends around the outsole 111.

[0029] When the circumferential strap body 302 is placed around the shaft 112 of a boot 114 and both ends 108 and 110 of the undersole strap 106 is attached to the circumferential strap body 302, the undersole strap 106 prevents the circumferential strap body 302 from moving any further away from the sole than the length of the undersole strap 106 allows. Typically, the undersole strap 106 has a length that holds the circumferential strap body 302 in a snug relationship along the vertical axis of the shaft 112 just above the vamp 115 of boot 114.

[0030] The circumferential strap body 302 is composed of separate and interconnectable members—a central member 304 that includes the magnetized item 104, a male buckle member 306 and a female buckle member 308. The female buckle member 308 and the male buckle member 306 connect together. The male buckle member 306 and the female buckle member 308 connect to the central member 304 through connectors 310 and 312 respectively. In some implementations the connectors 310 and 312 provide rotation between the male buckle member 306 and the female buckle member 308, such as such in FIG. 3 through a curved geometry, or through rotatable subcomponents. The connectors 310 and 312 also provide connection points between the ends 108 and 110 of the undersole strap and the circumferential strap body 302.

[0031] The apparatus and systems of FIG. 1-3 are often referred to as an urban spur.

Method Implementations

[0032] In the previous section, apparatus of the operation of an implementation was described. In this section, the particular methods performed by a human of such an implementation are described by reference to a series of flowcharts.

[0033] FIG. 4 is a flowchart of a method 400 according to an implementation. Method 400 prevents a boot cuff from being ground under the heel of the boot.

[0034] Method 400 includes placing the circumferential strap body 102 around the shaft 112 of a boot 114, at block 402.

[0035] Method 400 also includes placing the undersole strap 106 around the outsole 111 and attaching both ends 108 and 110 of the undersole strap 106 to the circumferential strap body 102, at block 404.

[0036] Method 400 also includes placing the boot cuff over the magnetized item 104 of the circumferential strap body 102.

[0037] Method 400 also includes placing a metal item over the magnetized item of the circumferential strap body 102.

[0038] Thus, method 400 pins and immobilizes the boot cuff in an immovable position relative to the magnetized item 104 and the metal item 116 and thereby prevents the boot cuff from being ground under the heel of the boot.

CONCLUSION

[0039] An urban spur is described, a technical effect of which is preventing the boot cuff from being ground under the heel of the boot. Although specific implementations are illustrated and described herein, it will be appreciated by those of ordinary skill in the art that any arrangement which is calculated to achieve the same purpose may be substituted for the specific implementations shown. This application is intended to cover any adaptations or variations. For example, although described in boots, one of ordinary skill in the art will appreciate that implementations can be made for shoes or any other foot apparel that provides the required function.

[0040] In particular, one of skill in the art will readily appreciate that the names of the methods and apparatus are not intended to limit implementations. Furthermore, additional methods and apparatus can be added to the components, functions can be rearranged among the components, and new components to correspond to future enhancements and physical devices used in implementations can be introduced without departing from the scope of implementations. One of skill in the art will readily recognize that implementations are applicable to future footwear, different boot cuff, and new magnetized items.

[0041] The terminology used in this application is meant to include all materials for straps and alternate technologies which provide the same functionality as described herein

1. An apparatus to immobilize a boot cuff, the apparatus comprising:

- a circumferential strap body having two ends, the circumferential strap body having a magnetized item fixedly attached to the circumferential strap body about midpoint between the two ends; and

- an undersole strap having two ends operably coupled to the circumferential strap body between the two ends of the circumferential strap body by at least one of the two ends of the undersole strap.
- 2.** The apparatus of claim **1** wherein each of the two ends of the undersole strap are fixedly attached to the circumferential strap body,
- 3.** The apparatus of claim **1** wherein each of the two ends of the undersole strap are removeably attached to the circumferential strap body,
- 4.** The apparatus of claim **1** wherein one of the two ends of the undersole strap is fixedly attached to the circumferential strap body and the other of the two ends of the undersole strap is removeably attached to the circumferential strap body.
- 5.** The apparatus of claim **1**, wherein the circumferential strap body further comprises:
leather.
- 6.** The apparatus of claim **1**, wherein the circumferential strap body further comprises: plastic.
- 7.** The apparatus of claim **1**, wherein the circumferential strap body further comprises:
synthetic material.
- 8.** The apparatus of claim **1**, wherein the circumferential strap body further comprises:
chain.
- 9.** The apparatus of claim **1**, wherein the circumferential strap body further comprises:
rope.
- 10.** The apparatus of claim **1**, wherein the undersole strap further comprises:
leather.
- 11.** The apparatus of claim **1**, wherein the undersole strap further comprises:
plastic.
- 12.** The apparatus of claim **1**, wherein the undersole strap further comprises:
synthetic material.
- 13.** The apparatus of claim **1**, wherein the undersole strap further comprises: chain.
- 14.** The apparatus of claim **1**, wherein the undersole strap further comprises:
rope.
- 15.** A system comprising:
a circumferential strap body having a magnetized item fixedly attached to the circumferential strap body;
an undersole strap having two ends and operably coupled to the circumferential strap body by at least one of the two ends of the undersole strap; and
a metal item that is magnetically attached to the magnetized item.
- 16.** The system of claim **15** wherein each of the two ends of the undersole strap are fixedly attached to the circumferential strap body,
- 17.** The system of claim **15** wherein each of the two ends of the undersole strap are removeably attached to the circumferential strap body,
- 18.** The system of claim **15** wherein one of the two ends of the undersole strap is fixedly attached to the circumferential strap body and the other of the two ends of the undersole strap is removeably attached to the circumferential strap body.
- 19.** The system of claim **15**, wherein the circumferential strap body further comprises:
leather.
- 20.** The system of claim **15**, wherein the undersole strap further comprises:
leather.

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