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Search sole (Results 504247)

3:

Search IC=(A43B) (Results 150325)

4:

Search 3 and 4 (Results 67988)

5:

Search 3 and piece* (Results 120111)

6:

Search 5 and 6 (Results 16303)

7:

Search heel (Results 182664)

8:

Search 7 and 8 (Results 11134)

9:

Search shoe* (Results 644670)

10:

Search 9 and 10 (Results 10136)

11:

Search oval and arc (Results 47672)

12:

Search 11 and 12 (Results 78)

13:

Search high and heel and sole (Results 23060)

14:

Search 14 and 4 (Results 11044)

15:

Search 12 and 15 (Results 98)

16:

Search piece* (Results 1000000)

17:

Search 16 and 17 (Results 51)

18:

Search fn=(58070469 or 58070469 or 41770010 or 22302374) (Results 3)

19:

Search 3 and piece* and sole (Results 120112)

20:

Search 4 and 20 (Results 16303)

21:

Search high and heel (Results 69254)

22:

Search 21 and 22 (Results 4829)

23:

Search 12 and 23 (Results 51)

24:

1) Family number: 22312356 (US3025206A)

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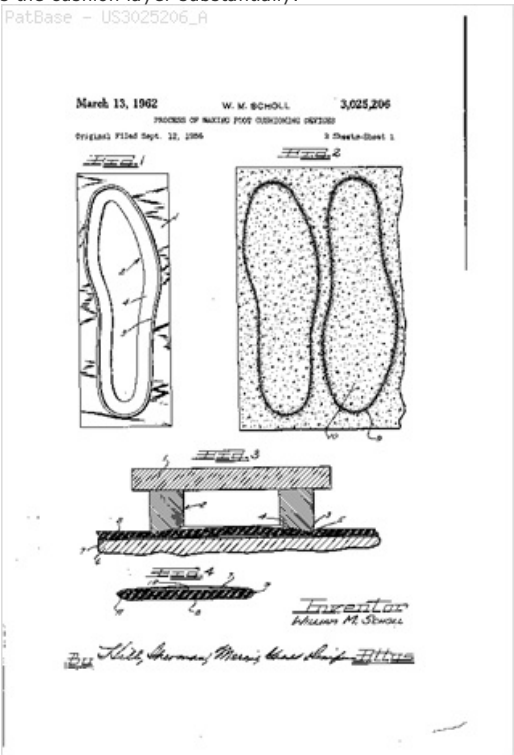
Title: PROCESS OF MAKING FOOT CUSHIONING DEVICES

Abstract: Source: GB871504A [EN] 871,504. Seaming non-metallic sheet materials. SCHOLL MFG. CO. Ltd. July 3, 1957 [July 3, 1956; Sept. 12, 1956; Sept. 13, 1956; Sept. 18, 1956; Oct. 16, 1956; Feb. 8, 1957], No. 21103/57. Class 42 (1). [Also in Groups

VI, VII and XI] Cushioning pads comprising essentially a film-like cover layer 1 and an initially separate substantially thicker foam cushioning layer 2 are heat-sealed at their margins. The layers are of polyvinyl plastic or polyurethane, including isocyanate plastics. Heat-sealing or seaming is effected by pressing the layers between a member 15, which may be an electrode plate or a buffer of insulating material such as a phenolic condensation product, and a backing plate and die 10, 10a, the latter having a knife edge 11 and a sloping face 12. A high-frequency charge which is passed between the electrodes concentrates the heating at the knife edge 11 and produce a decreasing sealing effect up the sloping face 12 so that a curvate marginal seam is produced. The heat-sealing may shape and partially sever the cushions and compress the cushion layer substantially.

Classifications:

International (IPC 8-9): A43B17/00 A43B7/22 (Advanced/Invention); A43B17/00 A43B7/14 (Core/Invention)
International (IPC 1-7): A43B17/14 A43B7/22 A61F5/14 B29D27/00
CPC: A43B7/142 A43B7/1425 A43B7/144 A43B7/1445 A43B7/22 A43B17/00 Y10T29/49861 Y10T156/1039 Y10T156/108
European: A43B17/00 A43B7/14A20A A43B7/14A20B A43B7/14A20H A43B7/14A20M A43B7/22
US: 12/146B 156/219 156/267 29/445 36/141 36/145 36/165 36/178 36/181 36/3B 36/44 36/81 D2/961



Family:

Publication number	Publication date	Application number	Application date
FR1182682 A	19590626		19570912
GB871504 A	19610628	GB19570021103	19570703
GB879227 A	19611011	GB19570035572	19571114
US2917842 A	19591222	US19560609453	19560912
US2917844 A	19591222	US19560616325	19561016
US2917845 A	19591222	US19560616341	19561016
US2917846 A	19591222	US19570638978	19570208
US2917847 A	19591222	US19570640122	19570214
US3025206 A	19620313	US19580726191	19580403

Priority:

US19560609453 19560912 US19560616325 19561016 US19560616341 19561016
 US19570638978 19570208 US19570640122 19570214 US19580726191 19580403

Probable Assignee: SCHOLL MFG CO LTD
Assignee(s): (std): SCHOLL MFG CO LTD ; SCHOLL WILLIAM M
Assignee(s): THE SCHOLL MFG CO LIMITED
Inventor(s): (std): SCHOLL WILLIAM M

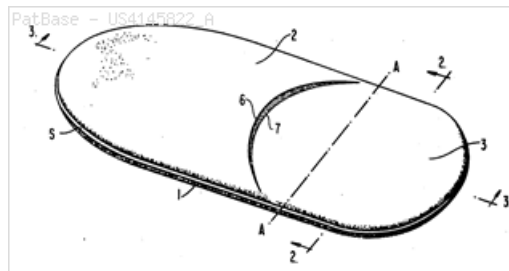
2) Family number: 1455123 (US4145822A) © PatBase

Title: Scuff-type slipper

Abstract: Source: US4145822A [EN] The disclosure describes various forms of scuff-type slippers which are durable and resist turning under of the heel portion in use. These include a transversely elastic vamp, a sole which can be bent transversely by tension forces in the vamp, to which it is fusion bonded, and, extending above the sole, a heel overlayer that is secured to the sole at least in part by fusion bonding along the sides thereof. Also disclosed are methods of making such slippers.

Classifications:

International (IPC 8-9): A43B3/10 A43D63/00 (Advanced/Invention); A43B3/10 A43D63/00 (Core/Invention)
International (IPC 1-7): A43B1/02 A43B1/14 A43B10/00 A43B3/10 A43B9/00
CPC: A43B3/10 A43B3/24 A43B3/106
European: A43B3/10 A43B3/10D A43B3/24
US: 12/142R 152/252 36/10 36/87 36/9R



Family:

Publication number	Publication date	Application number	Application date
BE864295 A	19780616	BE19780185457	19780224
DE2724525 A1	19780907	DE19772724525	19770531
FR2381482 A1	19780922	FR19780005592	19780227
GB1590856 A	19810610	GB19770033797	19770811
JP53109757 A2	19780925	JP19770115248	19770927
LU79132 A	19780627	LU19780079132	19780227
US4145822 A	19790327	US19770849681	19771108

Priority:

US19770772791 19770228 US19770849681 19771108

Probable Assignee: MITCHELL

Assignee(s): (std): MITCHELL ; MITCHELL J G ; MITCHELL JAMES G ; MITCHELL W ; MITCHELL W G ; MITCHELL WINALEE ; MITCHELL WINALEE G

Inventor(s): (std): JIEEMUZU JII MITSUCHIERU ; MITCHELL JAMES G ; MITCHELL WINALEE G ; UINARII JII MITSUCHIERU

Inventor(s): G MITCHELL JAMES ; G MITCHELL WINALEE

3) Family number: 3038706 (DE3245182A1)

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Title: RUNNING SHOE

Abstract: Source: DE3245182A1 [EN] In a running shoe for long-distance runners with a fixed insole which supports the foot and, connected resiliently thereto, a flexible outsole which adapts to the ground conditions, there is provided between insole and outsole at least one cavity which is filled with a medium which can be controlled in its pressure, and which controls the elasticity and flexibility of the shoe. The abstract relates to all five exemplary embodiments.

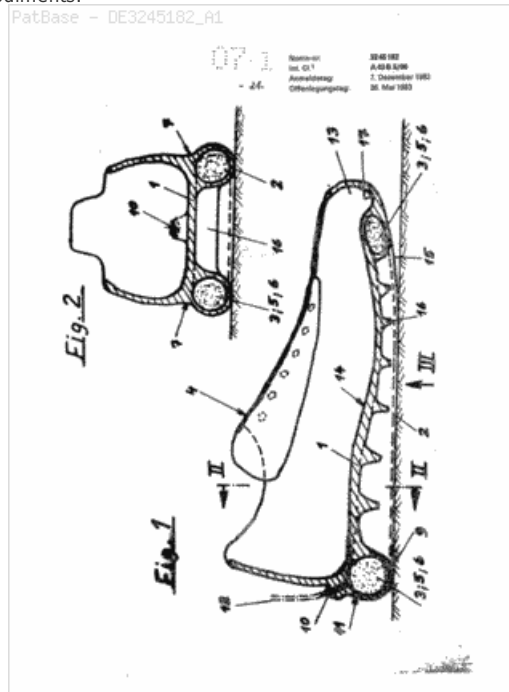
Classifications:

International (IPC 8-9): A43B13/18 A43B5/06 (Advanced/Invention); A43B13/18 A43B5/00 (Core/Invention)

International (IPC 1-7): A43B13/18 A43B5/06

CPC: A43B5/06 A43B13/18 A43B13/206

European: A43B13/18 A43B5/06



Family:

Publication number	Publication date	Application number	Application date
DE3245182 A1	19830526	DE19823245182	19821207

Priority:

DE19823245182 19821207

Probable Assignee:

KROHM REINOLD

Assignee(s):

KROHM REINOLD

4) Family number: 8492584 (US5078633A)

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Title: Water sport footwear

Abstract: Source: US5078633A [EN] The invention relates to water sport footwear designed for placing on a foot of a wearer during gliding on the surface of water, with the bottom of the shoe sole contacting the water during the gliding process. The shoe includes a boot portion and a sole portion fixedly attached to the boot portion, while the sole portion is not considerably greater than the boot portion itself. A water channel is formed in the bottom of the sole portion, the channel extending from the heel portion to a distance towards the front portion. The sole has a composite base structure having a rigid upper plate and a softer, flexible bottom part integrally attached to each other. Alternatively, the bottom of the sole portion can be provided with a pair of channels equidistantly spaced on the opposite sides of the central water channel for increased control and maneuverability.

Classifications:**International (IPC 8-9):** A43B5/00 B63B35/81

B63B35/83 (Advanced/Invention);

A43B5/00 B63B35/73 (Core/Invention);

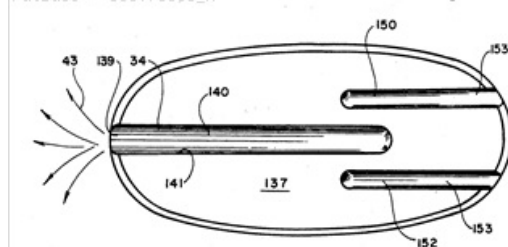
A63C (Subclass/Invention)

International (IPC 1-7): A43B5/00 A63C15/00 B63B35/81 B63B35/83

B63B35/85

CPC: B63B35/812**European:** B63B35/81C**US:** 36/114 441/65

PatBase - US5078633_A

**Family:**

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AT64904 E	19910715	AT19860104850T	19860409
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AU199061145 A1	19901129	AU19900061145	19900820
AU656713 B2	19950216	AU19900061145	19900820
CA1325719 A1	19940104	CA19880570075	19880622
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CN86103249 A	19870401	CN19861003249	19860509
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EP0218779 A1	19870422	EP19860104850	19860409
EP0218779 B1	19910703	EP19860104850	19860409
KR19870003738 A	19870504	KR19860003542	19860507
KR900005670 B1	19900806	KR19860003542	19860507
US5078633 A	19920107	US19890324732	19890317
US5181873 A	19930126	US19910772065	19911007
ZA8606363 A	19881130	ZA19860006363	19860822

Priority:

US19850784577 19851004	EP19860104850 19860409	EP19860104850 19860409
AU19860061742 19860822	CA19880570075 19880622	US19890324732 19890317
US19910772065 19911007		

Probable Assignee: TOLBERT JH**Assignee(s):** (std): JAMES H TOLBERT JR ; THOMAS E TOLBERT ; TOLBERT JAMES H ; TOLBERT JAMES H JR ; TOLBERT JUN ; TOLBERT THOMAS E**Assignee(s):** TOLBERT JR JAMES H ; TOLBERT JUN JAMES H ; TOLBERT THOMAS E JEFFERSON LA US ; TOLBERT TE ; TOLBERT JH**Inventor(s):** (std): TOLBERT JAMES H ; TOLBERT JR JAMES H ; TOLBERT JR THOMAS E ; TOLBERT JUN JAMES H ; TOLBERT THOMAS E ; TOLBERT JAMES H TOLBERT JR THO ; TOLBERT JAMES H JR ; THOMAS E TOLBERT ; JAMES H TOLBERT JR**Inventor(s):** TOLBERT THOMAS E JEFFERSON LA US ; JAMES H TOLBERT ; JAMES H TOLBERT JR THOMAS E TOLBERT ; JR THOMAS E TOLBERT**Agent(s):** GRIFFITH HACK; GOWLING LAFLEUR HENDERSON LLP**Designated states:** AT BE CH DE FR GB IT LI LU NL SE**5) Family number: 7236034** (DE3726904A1)

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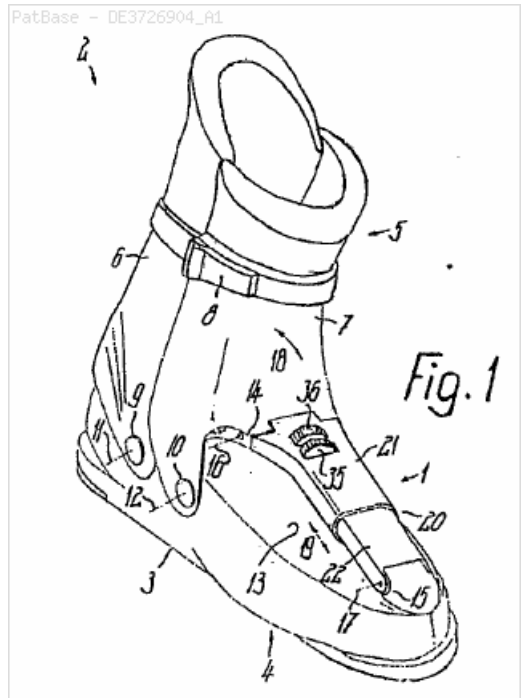
Title: Boot, in particular ski boot

Abstract: Source: DE3726904A1 [EN] A spring arrangement (1) for shell parts (7, 13) of a shoe, which are movable in an articulated manner in relation to one another in the forward lean direction, has, completely surrounded in a housing (20), two groups of compression springs made of a closed-cell polyurethane elastomer (PUR) which have a very progressive spring characteristic line by virtue of the fact that only one group of springs is effective on a first part path and a second group can be connected on a second part path. The path-dependent response of both groups of springs can be adjusted separately and moreover all springs are designed as damped springs as a result of their material properties. As a result, an adjustable forward-lean springing, the hardness of which can be varied in a path-dependent manner, is possible for the boot shaft (5).

Classifications:**International (IPC 8-9):** A43B5/04 (Advanced/Invention);

A43B5/04 (Core/Invention)

International (IPC 1-7): A43B5/04 A43B7/00



Family:

Publication number	Publication date	Application number	Application date
DE3726904 A1	19890223	DE19873726904	19870813

Priority:

DE19873726904 19870813

Probable Assignee:

GAUSRAB KLAUS

Assignee(s) (std):

GAUSRAB KLAUS ; HAUSER JOACHIM

Inventor(s) (std):

GAUSRAB KLAUS ; HAUSER JOACHIM

6) Family number: 42816545 (US2001022434A)

© PatBase

Title: In-line roller skate with internal support and external ankle cuff

Abstract: Source: US2001022434A [EN] A roller skate includes an upper 1112, including a substantially non-rigid upper portion 1120 secured to a base 1118. A frame 1114 secured to the base carries a plurality of wheels 1116. The substantially non-rigid upper portion is reinforced by a substantially rigid internal heel counter 1134. An ankle support cuff assembly 1110 is pivotally secured to the internal heel counter 1134. The ankle support cuff assembly includes a substantially rigid ankle support cuff 1142 that is pivotally secured on lateral and medial sides to the internal heel counter. Ankle pad 1144 lines the interior of the ankle support cuff 1142. Ankle support cuff 1142 is fastened by a selectively securable fastener 1148 about the skater's ankle. The ankle support cuff assembly pivots freely in the forward and aft direction relative to the internal heel counter 1134.

Classifications:

International (IPC 8-9): A43B5/04 A43B5/16 A43B7/20 A43C11/14 A63C1/02 A63C10/00 A63C10/10 A63C10/14 A63C10/18 A63C17/02 A63C17/06 A63C17/14 A63C5/00 A63C9/00 A63C9/02

A63C9/086 (Advanced/Invention);

A63C17/06 A63C5/00 A63C9/086 (Advanced/Non-invention);

A43B5/04 A43B5/16 A63C17/00 A63C17/04 A63C9/00

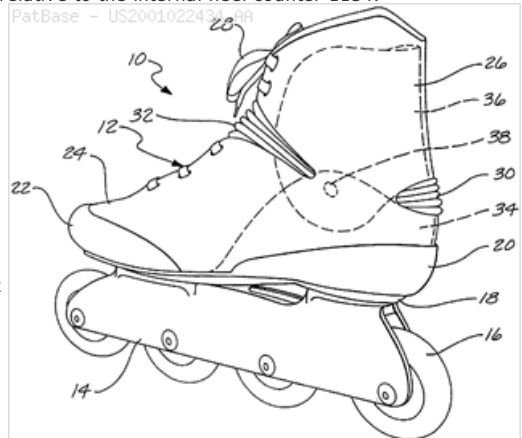
A63C9/08 (Core/Invention)

International (IPC 1-7): A43B5/00 A43B5/04 A43B5/16 A43C11/14 A63C1/00 A63C1/02 A63C1/06 A63C17/00 A63C17/02 A63C17/04 A63C17/06 A63C17/14 A63C5/00 A63C5/06 A63C9/00 A63C9/02 A63C9/08 A63C9/086

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European: A43B5/04A A43B5/04A2 A43B5/04D2 A43B5/04D2C A43B5/04E14 A43B5/04E16 A43B5/04E40 A43B5/04F20 A43B5/16D A43B5/16S1 A43B5/16U A43B5/16U5 A43B7/20 A43B7/28 A63C10/10 A63C10/10B A63C10/10D A63C10/18 A63C17/00N A63C17/06 A63C17/06F A63C17/06P A63C17/14B A63C17/14B2 A63C17/22D A63C9/086 K63C10/18 K63C17/06 K63C17/14I K63C17/14M K63C203/42

US: 188/5 28/11.22 280/1.215 280/11.19 280/11.190P 280/11.190S 280/11.2 280/11.202 280/11.208 280/11.208S 280/11.211 280/11.211S 280/11.214 280/11.215 280/11.22 280/11.221 280/11.221P 280/11.231 280/11.231S 280/11.26 280/11.27 280/11.3 280/11.31 280/14.2 280/14.22 280/14.24 280/613 280/617 36/115 36/117.1 36/117.3 36/120 36/45 36/89 D21/773



Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: K 2 CORP

Assignee(s): (std): K 2 CORP ; K 2 CORP VASHON ; SAUTER THOMAS M ; MEIBOCK ANTONIN A ; SVENSSON JOHN E ; TURNER BRENT H ; RENCH CHRIS J

Assignee(s): BANK ONE NA ; K 2 CORP VASHON ISLAND ; K 2 CORP VASHON ISLAND WASH US ; K 2 CORP19215-99TH AVENUE S.W.VASHON ISLANDWA98070US ; K 2 VASHON CORP ; K2 CORP ; V FORMATION INC

Inventor(s): (std): TURNER H ; TURNER BRENT H ; SVENSSON JOHN E ; SVENSSON JOHN ; SVENSSON E ; SAUTER THOMAS M ; SAUTER M ; MEIBOCK ANTONIN A ; MEIBOCK ANTONIN ; MEIBOCK ANTOMIN A ; MEIBOCK A ; RENCH CHRIS J

Inventor(s): MEIBOCK ANTONIN AUS ; JOHN E SVENSSON ; CHRIS J RENCH ; BRENT H TURNER ; ANTONIN A MEIBOCK ; RENCH J ; THOMAS M SAUTER ; SVENSSON JOHN EUS ; TURNER BRENT HUS

Agent(s): GOWLING LAFLEUR HENDERSON LLP; NAGAI HIROSHI; CHRISTENSEN OCONNOR JOHNSON KINDNESS PLLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZM ZW

7) Family number: 30543499 (US2001011427A) © PatBase

Title: Ground contracting systems having 3D deformation elements for use in footwear

Abstract: Source: US2001011427A [EN] The present invention discloses a ground-contacting system including 3D deformation elements having interiors filled with either compressible fluid such as a gas or filled with other materials such as liquids, foams, viscous materials and/or viscoelastic materials. The 3D elements are designed to deform, distort or deflect in three mutually orthogonal directions simultaneously and are associated directly with the surfaces that routinely come in direct contact with a ground surface such as the underside of the sole and side portions of the shoe upper near the sole. The 3D elements are also designed to decrease the amount of force transferred to the wearers feet, legs, back and joints due to their ability to distort three dimensionally and to dissipate the energy of foot fall into thermal energy. The 3D elements are also designed to allow the shoe or foot to move a measurable amount relative to the ground-contacting surface in response to an applied force such as the forces encountered in walking, running or any in other activity.

Classifications:**International (IPC 8-9):** A43B13/16 A43B13/18 A43B13/20

A43B17/02 (Advanced/Invention);

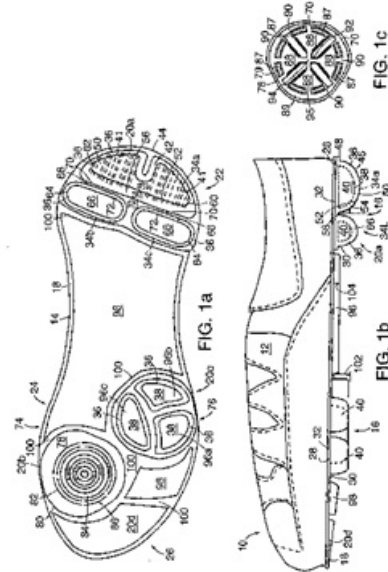
A43B13/14 A43B13/18 (Core/Invention);

A43B13/18 A43B17/02 (Core/Non-invention)

International (IPC 1-7): A43B13/18 A43B13/20 A43B13/28 A43B5/00 A43B5/06 A43B7/32**CPC:** A43B13/16 A43B13/184 A43B13/186 A43B13/189 A43B13/20 A43B13/203**European:** A43B13/16 A43B13/18A3 A43B13/18A5 A43B13/18G A43B13/20 A43B13/20P**US:** 36/129 36/129S 36/25.00R 36/25R 36/27 36/27S 36/29 36/29P

PatBase - US2001011427_AA

Patent Application Publication Aug. 9, 2001 Sheet 1 of 22 US 2001/0011427 A1

**Family:**

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WO9618317 A2	19960620	WO1995IB01173	19951020
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Priority:

DE19940013588U 19940823 US19940327461 19941021 WO1995DE01128 19950821
WO1995IB01173 19951020 US19960701827 19960823 WO1997IB01120 19970822
US20010796157 20010228

Probable Assignee: ADIDAS AG**Assignee(s):** (std): ADIDAS AG ; ADIDAS INT BV ; SEYDEL ROLAND ; KAISER OTMAR ; FUMY RICHARD ; ADIDAS INTERNAT B V**Assignee(s):** ADIDAS AGDE ; FUMI RICHARD ; LUTHI SIMON ; BEARD KEVIN A ; KAISER OTTMAR ; ADIDAS INTERNATIONAL B V ; ADIDAS AG 91074 HERZOGENAUACH DE**Inventor(s):** (std): BEARD A ; BEARD KEVIN A ; FUMI RICHARD ; FUMY RICHARD ; KAISER OTMAR ; KAISER OTTMAR ; KEVIN A BEARD ; LUTHI SIMON ; OTMAR KAISER ; RICHARD FUMY ; ROLAND SEYDEL ; SEYDEL ROLAND ; SIMON LUTHI**Designated states:** AL AM AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IS IT JP KE KG KP KR KZ LI LK LR LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SN SZ TD TG TJ TM TT UA UG US UZ VN**8) Family number: 11068367 (WO9801051A1)**

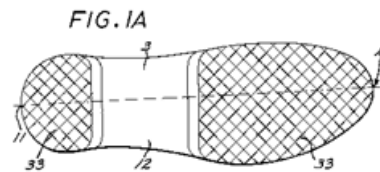
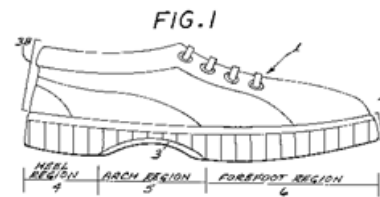
© PatBase

Title: GRINDING APPARATUS AND ASSOCIATED FOOTWEAR**Abstract:** A shoe (20) and grinding plate (25) which allows people to experience and enjoy the activity of grinding without wheels or wheeled vehicles. The grinding plate of the present invention is intended to be attached to the side of a grinding shoe. The grinding plate can be attached to either the medial or lateral side of the shoe, or both medial and lateral sides. The grinding plate is curved to have a substantially U-shape and runs across the bottom of the shoe from the medial to the lateral side of the shoe.**Classifications:****International (IPC 8-9):** A43B13/26 A43B5/00

Publication number	Publication date	Application number	Application date
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WO9801051 A1	19980115	WO1997US11652	19970710

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36/72A 36/73 36/75R 361/320

**Family:**

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US6357145 BA	20020319	US20000494138	20000128
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Priority:

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Probable Assignee: HEELING SPORTS LTD**Assignee(s):** (std): ARTEMIS INNOVATIONS INC

Assignee(s): ARTEMIS INNOVATIONS INC A CALIFORNIA CORP ; ARTEMIS INNOVATIONS INC TORRANCE ; ARTEMIS INNOVATIONS INCORPORATEDUS ; ARTEMIS LICENSING ; CURTIS HOLDINGS LLC ; CURTIS HOLDINGS LLC ; MORRIS CHRISTOPHER H ; IMP BANK ATTN KERRY J TURNER SENIOR VICE PRESIDENT ; IMP BANK ; HEELING SPORTS LTD ; BANK OF AMERICA NA COLLATERAL AGENT AS ; PATHLIGHT CAPITAL LLC COLLATERAL AGENT AS ; INMAN DAVID G ; SBG REVO HOLDINGS LLC ; WILMINGTON TRUST NATIONAL ASSOCIATION

Inventor(s): (std): MORRIS H ; KELLEY BENJAMIN B ; INMAN G ; DAVID G INMAN ; CHRISTOPHER H MORRIS ; MORRIS CHRISTOPHER H ; JAMES BRENT ; INMAN DAVID G

Agent(s): SMART AND BIGGAR

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GN GR HU IE IL IS IT JP KE KG KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SN SZ TD TG TJ TM TR TT UA UG UZ VN ZW

Title: INDOOR EXERCISE SHOE AND SOLE THEREFOR

Abstract: Source: US5862614A [EN] An indoor exercise shoe which is lightweight and has an improved traction feature. The outsole of the shoe includes a primary midfoot element positioned to underlie the arch of the foot. Traction inserts of high traction material are mounted in openings in the primary midfoot element. The traction inserts project outwardly from the midfoot element for engaging and gripping a surface, such as the pedal of a stationary bicycle, under conditions when the midfoot region of the outsole is relied upon for traction.

Classifications:

International (IPC 8-9): A43B13/14 A43B13/22 A43B13/24 A43B5/00

A43B5/14 A43C15/02 (Advanced/Invention);

A43B13/14 A43B5/00 (Core/Invention)

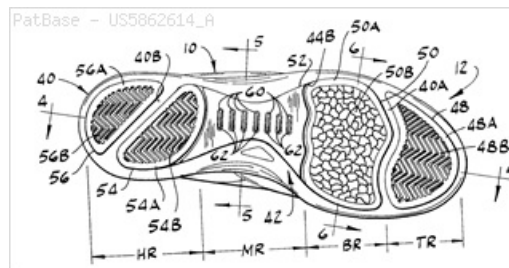
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CPC: A43B13/24 A43B13/223

European: A43B13/22B A43B13/24

US: 36/31 36/310 36/32.00R 36/32R 36/59.00A 36/59.00C 36/59A 36/59C



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US19970792885 19970131 CA19982227133 19980115

Probable Assignee: JACK ASSET SUB INC

Assignee(s): (std): NINE WEST GROUP INC

Assignee(s): JONES APPAREL GROUP HOLDINGS INC ; KOH KANAE H ; JACK ASSET SUB INC ; JILL ACQUISITION SUB INC ; JILL ACQUISITION SUB INC (RENAMED JONES APPAREL GR ; JILL ACQUISITION SUB INC (RENAMED JONES APPAREL GROUP HOLDINGS INC) ; JILL ACQUISITION SUB INC RENAMED JONES APPAREL GROUP HOLDINGS INC

Inventor(s): (std): KOH KANAE HYANGMYO ; KOH KANAE H

Inventor(s): KANAE HYANGMYO KOH

Agent(s): SMART AND BIGGAR

Title: Detachable foot mount for electronic device

Abstract: Source: US2002152645A [EN] In one embodiment, an apparatus includes a mount, a housing, and a sensor. The mount is adapted to be disposed at least partially underneath a shoelace of a shoe, and the housing is adapted to be releasably attached to the mount. There is a tongue on one of the mount and the housing and a groove on the other of the mount and the housing, wherein the tongue is adapted to releasably engage the groove when the housing is attached to the mount. The apparatus further comprises a sensor, that senses motion of the shoe, disposed within the housing such that the sensor remains disposed within the housing when the housing is separated from the mount. In another embodiment, a method involves providing a housing that houses a sensor that senses motion of a shoe, and attaching a mount to an instep portion of the shoe such that at least a portion of the mount is disposed underneath at least a portion of a shoelace of the shoe. The housing is attached to the mount by engaging a tongue on one of the mount and the housing with a groove on the other of the mount and the housing, and the housing is detached from the mount without separating the sensor from the housing.

Classifications:

International (IPC 8-9): A43B23/24 A43B3/00 A61B5/00 A61B5/0205

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G21C17/00 (Advanced/Invention);

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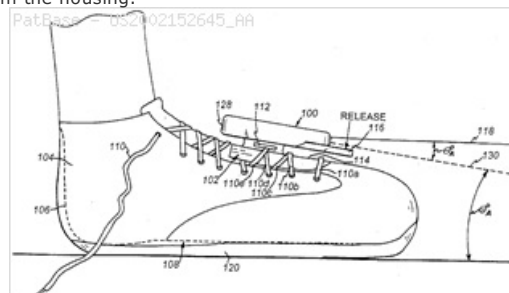
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Family:

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Priority:

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Probable Assignee: NIKE INC

Assignee(s): (std): DARLEY JESSE ; GAUDET PAUL J ; JOFFE SAMUEL W ; FITSENSE TECHNOLOGY INC ; NIKE INC ; BLACKADAR THOMAS P ; PERSONAL ELECTRONIC DEVICE INC ; SHIFF VICTOR E ; PERSONAL ELECTRONIC DEVICES IN ; PERSONAL ELECTRONIC DEVICES INC ; NIKE INTERNATIONAL LTD ; PERSONAL ELECT DEVICES INC ; NIKE INT LTD

Assignee(s): NIKE INNOVATE CV BEAVERTON ; OLIVER STEVEN R ; PERSONAL ELECTRIC DEVICES INC ; OHLENBUSCH NORBERT ; PERSONAL ELECTRONICS INC ; PERSONAL ELECTRONICS DEVICES INC ; FITLINXX INC WAS FITSENSE TECHNOLOGY INC.. ; FITLINXX INC ; LUMIRA LTD ; LUMIRADX UK LTD ; LUMINRADX UK LTD ; COSTELLO JOHN ; BATES MARK ; BLACKADAR THOMAS ; MMV FINANCIAL INC ; JOFFE SAM

Inventor(s): (std): JASSE DARLEY ; JESSE DARLEY ; JOHN COSTELLO ; MARK BATES ; NORBERT OHLENBUSCH ; OHLENBUSCH NORBERT ; OLIVER STEVEN R ; DARLEY JASSE ; DARLEY JESSE ; BLACKADAR THOMAS ; PAUL J GAUDET ; SAM JOFFE ; STEVEN R OLIVER ; THOMAS BLACKADAR ; THOMAS P BLACKADAR ; JOFFE SAMUEL W ; JOFFE SAM ; GAUDET PAUL J ; COSTELLO JOHN ; BLACKADAR THOMAS P ; BATES MARK ; SHIFF VICTOR E

Inventor(s): VICTOR E SHIFF ; SAMUEL W JOFFE ; BLACKADAR THOMAS P NATICK ; GAUDET PAUL ; GAUDET PAUL J TEWKSBURY ; OLIVER STEVEN R ATTLEBORO

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR; HASELTINE LAKE LLP; TOMBLING ADRIAN GEORGE; ONO SHINJIRO; SHAMOTO ICHIO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; CHIBA AKIO; WOLF GREENFIELD AND SACKS PC, FEDERAL RESERVE PLAZA; WOLF GREENFIELD AND SACKS PC FEDERAL RESERVE PLAZA; WOLF GREENFIELD AND SACKS PC; BANNER AND WITCOFF LTD

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

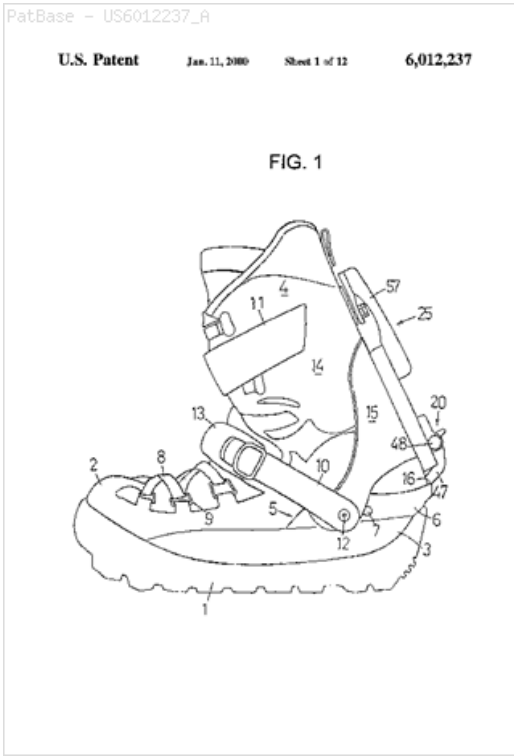
12) Family number: 31168610 (US6012237A)

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Title: Multiple jointed back support system for a snowboard boot

Abstract: Source: US6012237A [EN] A back support structure for a snowboard boot includes a back support member for supporting a back surface of an ankle and a linking mechanism coupled to the back support member for coupling the back support member to a leg member of the snowboard boot. The linking mechanism includes a first pivot coupling and a second pivot coupling so that the back support member may pivot relative to the leg member around multiple axes to accommodate complex sideways inclinations of the leg.

Classifications:
International (ipc 8-9): A43B23/02 A43B5/00
A43B5/04 (Advanced/Invention);
A43B5/04 (Advanced/Non-invention);
A43B23/02 A43B5/00 A43B5/04 (Core/Invention)
International (ipc 1-7): A43B23/02 A43B5/00 A43B5/04
CPC: A43B5/0452 A43B5/0401 A43B5/0466
European: A43B5/04A A43B5/04E14 A43B5/04E16
US: 36/117.1 36/118.2 36/118.9



Family:

Publication number	Publication date	Application number	Application date
■ CN1135079 C	20040121	CN19981020740	19980925
■ CN1217169 A	19990526	CN19981020740	19980925
■ DE69825235 D1	20040902	DE19986025235	19980929
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■ EP0916271 A2	19990519	EP19980118369	19980929
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■ JP11239501 A2	19990907	JP19980191103	19980707
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Priority:JP1997033561 19971118
KR19980028816 19980716

JP19970365728 19971222

JP19980191103 19980707

Probable Assignee: SHIMANO INC**Assignee(s):** (std): SHHIMANO CO LTD ; SHIMANO KK**Assignee(s):** SHIMANO CO ; SHIMANO CO LTD ; SHIMANO INC ; SHIMANO INC SAKAI**Inventor(s):** (std): TANAKA KAZUKI ; OKAJIMA SHINPEI ; NOBUHIRA OKASHIMIA ; NOBUHIRA OKASHIMA ; ICHIKI TANAKA**Inventor(s):** TANAKA ICHIKI ; OKASHIMIA NOBUHIRA ; OKASHIMA NOBUHIRA**Designated states:** AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE**13) Family number: 20703187** (US6026593A)

© PatBase

Title: Shoe sole cushion

Abstract: Source: US6026593A [EN] A cushion for use in a shoe sole with resilient, arcuate, load-bearing first and second and central walls. The first and second walls are tubular and are configured for supporting and cushioning edges of a foot. They respectively form first and second tubular portions of the cushion extending generally along a lateral and medial sides of a foot shape. The central wall is configured for supporting and cushioning a laterally central part of the foot and forms a hollow central portion. The central portion is disposed between and joined with the first and second tubular portions. The central wall and first tubular wall are coupled at a coupled section such that vertical deformation of one of the central and first walls is transmitted to the other. The coupling portion has vertically spaced walls that join vertically spaced sections of the central and tubular walls. A recessed portion of the cushion isolates vertical deformation of adjacent sections of the central and tubular walls. Ribs extend across the walls to increase their vertical compressive stiffness. The preferred cushion is shaped for cushioning a heel, with the coupled portion positioned off-center, towards the rear of the heel.

Classifications:**International (IPC 8-9):** A43B13/14 A43B13/18 A43B13/20 A43B17/02

A43B17/03 A43B21/26 A43B7/32 (Advanced/Invention);

A43B13/14 A43B13/18 (Advanced/Non-invention);

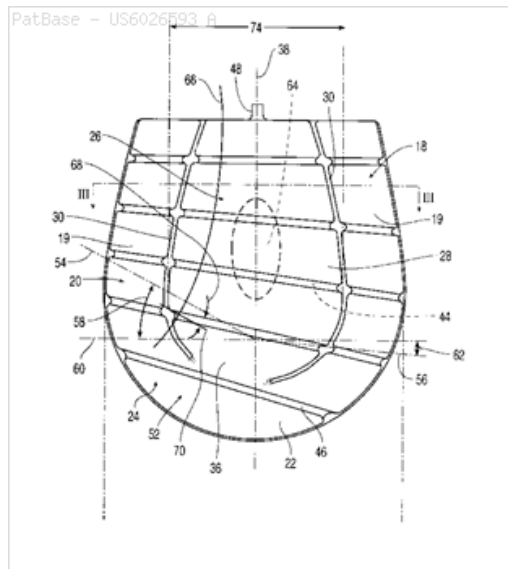
A43B13/14 A43B13/18 A43B13/20 A43B17/00 (Core/Invention);

A43B13/18 A43B21/26 (Core/Non-invention);

A43B (Subclass/Invention)

International (IPC 1-7): A43B A43B 13/20 A43B13/14 A43B13/18

A43B13/20 A43B17/02 A43B17/20 A43B21/26 A43B23/00 A43B7/32

CPC: A43B13/181 A43B13/189 A43B13/20 A43B13/206**European:** A43B13/18A A43B13/18G A43B13/20 A43B13/20T**US:** 36/28 36/35R 36/37**Family:**

Publication number	Publication date	Application number	Application date
AR013793 AA	20010110	AR1998P106200	19981207
AR024096 AA	20020904	AR2000P102545	20000524
AU199916262 A1	19990628	AU19990016262	19981204
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EP1052915 A1	20001122	EP19980960735	19981204
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JP2001525204 T2	20011211	JP20000523885T	19981204
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KR100692700 B1	20070309	KR20007006111	19981204
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MXPA00005453 A1	20030422	MX2000PA05453	19981204
TH24564 B	20080919	TH19981004678	19981204
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VN3798 A1	20031125	VN20000000533	20000612
WO0070981 A1	20001130	WO2000US14121	20000523
WO9929204 A1	19990617	WO1998US25747	19981204
ZA9811121 A	19990608	ZA19980011121	19981204

Priority:

US19970985999 19971205 JP20000523885 19981204 JP20000523885T 19981204
WO1998US25747 19981204 US19990317410 19990524 WO2000US14121 20000523
WO1998US25747 20000605

Probable Assignee: NEW BALANCE ATHLETIC SHOE INC

Assignee(s): (std): NEW BALANCE ATHLETIC SHOE INC

Assignee(s): NEW BALANCE ATHLETIC SHOE INC US ; NEW BALANCE ATHLETICS INC ; NEW BALANCE ATHLETIC SHOE INC SOC ORGANIZADA BAJO LAS LEYES DEL ESTADO DE MASSACHUSETTS ; HARMON WEISS EDITH M ; M S NEW BALANCE ATHLETIC SHOE INC ; MCDOWELL SEAN M ; NEW BALANCE A THLETIC SHOE INC

Inventor(s): (std): H WEISS E M ; HARMON WEISS E M ; HARMON WEISS EDITH MICHELE ; MAUCERI D A ; MAUCERI DAVID A ; MAUCERI DAVID ARTHUR ; MCDOWELL S M ; MCDOWELL SEAN MICHAEL ; VERHOORN D A ; VERHOORN DEREK A ; VERHOORN DEREK ALAN ; VERHOORN E M H WEISS D A MAUCE ; MCDOWELL SEAN M ; HARMON WEISS EDITH M

Inventor(s): EDITH M HARMON WEISS ; D A MAUCERI ; D A VERHOORN ; DAVID A MAUCERI ; DEREK A VERHOORN ; E M H WEISS ; E M H WEISS D A MAUCERI D A VERHOORN ; E M HARMON WEISS ; VERHOORN DEREK ; MAUCERI DAVID ; HARMON WEISS EDITH ; SEAN M MCDOWELL ; S M MCDOWELL

Agent(s): PHILLIPS ORMONDE FITZPATRICK; OSLER HOSKIN AND HARCOURT LLP; VILLASECA; SEKIYA MITSUO; HAYAKAWA YASUSHI; HIRAKI YUSUKE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

14) Family number: 17005394 (DE29919124U1)

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Title: Run sole for shoes, in particular for Sicherheitsschuhe

Abstract: Source: DE29919124U1 [DE] (Claim 1) 1. Laufsohle fuer Schuhe, insbesondere fuer Sicherheitsschuhe, welche einen Vorfussbereich (1), einen Mittelfussbereich (2) und einen Fersenbereich (3) hat, welcher als Absatz ausgebildet sein kann,mit einer Laufflaeche (17) und mit einem die Laufflaeche unterteilenden Profil, welches Stollen (19) und Rippen (12, 18, 23, 28, 29, 30, 31) aufweist, wobei sich wenigstens im Vorfussbereich (1) und im Mittelfussbereich (2) die Rippen (12, 18, 23, 28, 29, 30, 31) quer zur Richtung (7) der natuerlichen Abrollbewegung des Fusses erstrecken und die Stollen (19) durch laengs und quer zur Richtung (7) der natuerlichen Abrollbewegung verlaufende Profilkanaele (20, 20 a, 21, 21 a) begrenzt sind, dadurch gekennzeichnet, dass die Rippen (12, 18, 23, 28, 29, 30, 31) im senkrecht zur Laufflaeche (17) der Sohle gelegten Schnitt keilfoermig ausgebildet und durch eine vordere Flanke (15) und durch eine hintere Flanke (16) begrenzt sind, welche einen Winkel (den Keilwinkel gamma) zwischen sich einschliessen, dasseine erste Gruppe (12) der Rippen an der Spitze der Laufsohle vorgesehen ist,dass eine zweite Gruppe (18) der Rippen am hinteren Ende des Fersenbereiches (3) der Laufsohle vorgesehen ist,dass die Stollen (19) im Bereich zwischen der ersten Gruppe (12) der Rippen und der zweiten Gruppe (18) der Rippen angeordnet sind,dass im Bereich der Stollen (19) eine dritte Gruppe (23) der Rippen im Bereich des Vor- und Mittelfusses (1, 2) und eine vierte Gruppe (28) der Rippen im Fersenbereich (3) vorgesehen sind,dass bei den Rippen der ersten und dritten Gruppe (12, 23) deren vordere Flanke (15) mit der Laufflaeche (17) einen kleineren Winkel (alpha) einschliesst als die hintere Flanke (16),und dass bei den Rippen der zweiten und vierten Gruppe (18, 28) deren vordere Flanke (25) mit der Laufflaeche (17) einen groesseren Winkel (Beta) einschliesst als die hintere Flanke (26).

Machine translation: (Claim 1) 1. Run sole for shoes, in particular for Sicherheitsschuhe, which a Vorfussbereich (1), a central floor area (2) and a heel range (3) has, which can be designed as paragraph, with a bearing surface (17) and with the bearing surface a partitioning profile, which lug (19) and ribs (12, 18, 23, 28, 29, 30, 31) exhibit, whereby at least in the Vorfussbereich (1) and in the central floor area (2) the ribs (12, 18, 23, 28, 29, 30, 31) transverse to the direction (7) of the natural unreeling movement of the foot to extend and the lugs (19) through along and transverse to the direction (7) of the natural unreeling movement running profile channels (20, 20 A, 21, 21 A) limited it is characterized, by the fact that the ribs (12, 18, 23, 28, 29, 30, 31) are limited for the sole on perpendicularly to the bearing surface (17) put average wedge-shaped trained and by a front flank (15) and by a rear flank (16), which between itself includes an angle (the wedge angle gamma), that one first group (12) of the ribs at the point of the run sole are intended that a second group (18) of the ribs at the rear End of the heel range (3) of the run sole is intended that the lugs (19) are arranged in the range between the first group (12) of the ribs and the second group (18) of the ribs that in the range of the lugs (19) a third group (23) of the ribs in the range of the pre and Mittelfusses (1, 2) and a fourth group (28) of the ribs in the heel range (3) is intended that with the ribs of the first and third group (12, 23) their front flank (15) with the bearing surface (17) includes a smaller angle (alpha) than the rear Flank (16), and that with the ribs of the second and fourth group (18, 28) their front flank (25) with the bearing surface (17) includes a larger angle (beta) than the rear flank (26).

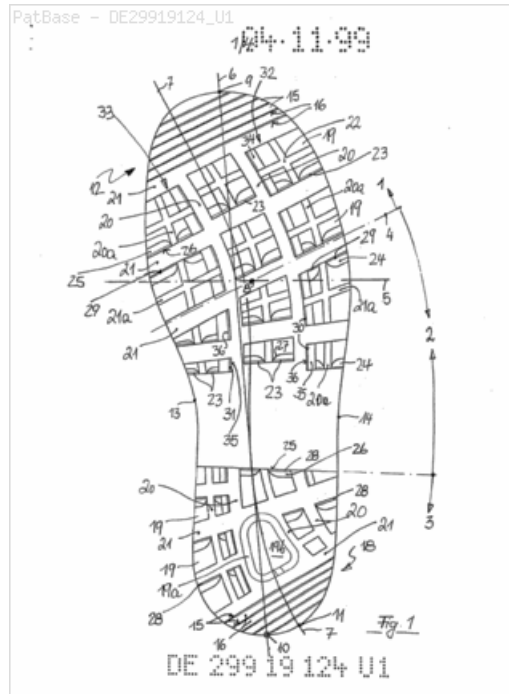
Classifications:

International (IPC 8-9): A43B13/22 (Advanced/Invention)

International (IPC 1-7): A43B13/14 A43B7/32 A43C15/16

CPC: A43B3/0057 A43B13/141 A43B13/223

European: A43B13/14F A43B13/22B A43B3/00S40



Family:

Publication number	Publication date	Application number	Application date
DE29919124 U1	20000302	DE19992019124U	19991102

Priority:

DE19992019124U 19991102

Probable Assignee:

GRAU STEFAN

Assignee(s): (std):

GRAU STEFAN

15) Family number: 29689668 (US2003051372A)

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Title: CUSTOMIZED ARTICLE OF FOOTWEAR AND METHOD OF CONDUCTING RETAIL AND INTERNET BUSINESS

Abstract: Source: US2003051372A [EN] The article of footwear taught in the present invention includes a spring element that can provide improved cushioning, stability, and running economy. Unlike the conventional foam materials presently being used by the footwear industry, a preferred spring element is not substantially subject to compression set degradation and can provide a relatively long service life. The components of the article of footwear including the upper, insole, spring element, and sole can be selected from a range of options, and can be easily removed and replaced, as desired. Moreover, the present invention teaches a method of making a customized article of footwear, and also a way of doing retail and Internet business.

Classifications:

International (IPC 8-9): A43B1/00 A43B1/04 A43B13/00 A43B13/04 A43B13/12 A43B13/14 A43B13/18 A43B13/20 A43B13/28 A43B13/36 A43B13/38 A43B21/00 A43B21/32 A43B23/00 A43B23/02 A43B23/04 A43B23/08 A43B3/10 A43B3/12 A43B3/24 A43B3/26 A43B5/06 A43B7/14 A43B7/22 A43C11/00 A43C15/00 A43C15/02 A43D1/02 A43D11/00 A43D33/00 G06F17/60 G06Q30/00 G06Q30/06 (Advanced/Invention); B33Y80/00 (Advanced/Non-invention); A43B13/00 A43B13/18 A43D1/00 (Core/Invention)

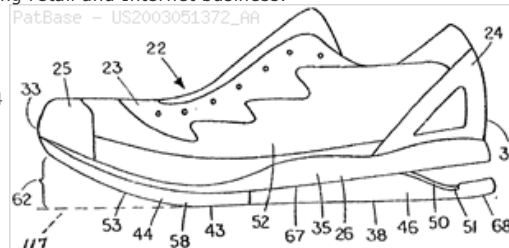
International (IPC 1-7): A43B13/28 A43B13/36 A43B13/42 A43D G06F17/00 G06F17/60

CPC: A43B1/04 A43B23/0215 A43B23/021 A43B23/028 A43B23/026

A43B1/0063 A43B13/04 A43B13/122 A43B13/141 A43B13/186 A43B13/188 A43B3/26 G06Q10/00 B33Y80/00 A43B13/28 A43B3/10 A43C15/02 A43B1/0081 A43B3/128 A43B7/22 A43B13/183 A43B13/184 A43B13/36 A43D11/006 G06Q30/0621 A43B3/0078 A43B7/1465 A43B21/26 A43B23/042 A43B23/24 A43D1/02 G06Q30/0603 G06Q30/0613

European: A43B1/00V A43B13/18A2 A43B13/18A3 A43B13/36 A43B21/26 A43B23/04B A43B23/24 A43B3/00S80 A43B3/12S A43B7/14A30R A43B7/22 A43D1/02 A43D11/00B G06Q30/0603 G06Q30/0613 G06Q30/0621 G06Q30/06C

US: 1/1 12/146.00BS 12/146.00RS 12/146B 12/146R 12/147.00RS 12/147R 2/239 36/100 36/100P 36/102 36/103 36/103P 36/129 36/134 36/25.00RS 36/25R 36/27 36/270 36/27P 36/29 36/35.00B 36/35.00R 36/35.00RS 36/35B 36/35R 36/37 36/37S 36/38 36/43 36/43S 36/45 36/50.1 36/50.100S 36/59.00RS 36/59R 36/67.00D 36/67D 36/68 36/69 36/69S 36/7.8 36/84 36/84P 36/9.00R 36/9R 66/185 705/1 705/1.1 705/1.100S 705/26 705/26.41 705/26.410P 705/26.5 705/26.500P 705/26.500S 705/26P



Family:

Publication number	Publication date	Application number	Application date
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AU2001263274 AA	20011126	AU20010263274	20010517
AU200163274 A1	20011126	AU20010063274	20010517
AU200163274 A5	20011126	AU20010063274	20010517
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US2012216423 AA	20120830	US20120465020	20120506
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US2017280816 AA	20171005	US20170629699	20170621
US6449878 BA	20020917	US20000523341	20000310
US6601042 BA	20030729	US20000573121	20000517
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WO0167907 C2	20030103	WO2001US07484	20010308
WO0187106 A2	20011122	WO2001US16159	20010517
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Priority:

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US20060516166	20060906	US20060519166	20060911	US20070895506	20070823
US20100803891	20100708	US20120465020	20120506	US20120465021	20120506
US20160175042	20160607	US20170629699	20170621		

Probable Assignee: UBATUBA LLC

Assignee(s): (std): LYDEN ROBERT M ; LYDEN ROBERT MICHAEL ; ROBERT M LYDEN

Assignee(s): ROBERT MICHAEL LYDEN ; UBATUBA LLC ; GANZ LAW PC

Inventor(s): (std): LYDEN ROBERT M ; LYDEN ROBERT MICHAEL

Inventor(s): ROBERT M LYDEN ; ROBERT MICHAEL LYDEN ; LYDEN ROBERT

Agent(s): ROBERT M LYDEN; WESTMAN CHAMPLIN AND KELLY PA; NICKOLAS E

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

16) Family number: 28094020 (US2001032400A)

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Title: FOOTWEAR OUTSOLE HAVING ARCUATE INNER-STRUCTURE

Abstract: Source: US2001032400A [EN] An outsole having a body member with an inner-structure including arcuately shaped channel members extending substantially from the medial to lateral sides thereof. The arcuately shaped channel members are spaced forwardly, rearwardly, and generally below the metatarsophalangeal joints of a wearer's foot inserted in footwear constructed from the outsole. The lower surface of the outsole has structure which provides formed areas of flexion to accommodate changes of anatomical position of the metatarsal joint axis of the wearer's foot during normal growth thereof and to permit the outsole to readily flex at areas which correspond to areas of the wearer's foot which normally flex as the foot passes through normal phases of gait, to thereby enhance the wearer's

Classifications:

International (IPC 8-9): A43B13/12 A43B13/14

A43B23/22 (Advanced/Invention);

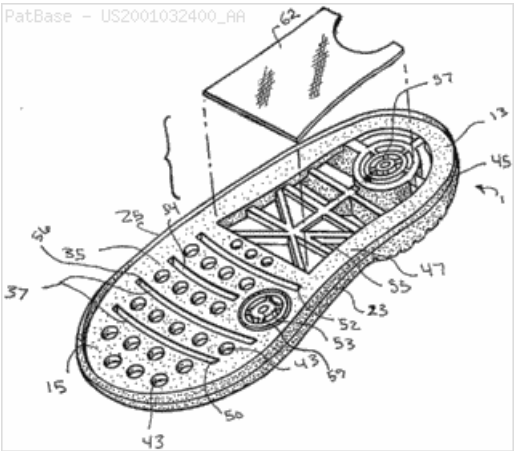
A43B13/02 A43B13/14 A43B23/00 (Core/Invention)

International (IPC 1-7): A43B1/10 A43B13/18 A43B21/26

CPC: A43B13/12 A43B13/141 A43B23/22

European: A43B13/12 A43B13/14F A43B23/22

US: 36/102 36/25 36/25R 36/28 36/35 36/35R



Family:

Publication number	Publication date	Application number	Application date
US2001032400 AA	20011025	US19990415359	19991008

Priority:

US19990415359 19991008

Probable Assignee: PAYLESS SHOESOURCE INC**Assignee(s):** (std): BROOKS JEFFREY S**Assignee(s):** PAYLESS SHOESOURCE INC**Inventor(s):** (std): BROOKS JEFFREY S**17) Family number: 28294738 (US2002171210A)**

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Title: TOOL-LESS SIZE-ADJUSTABLE IN-LINE SKATE

Abstract: Source: US2002171210A [EN] A size-adjustable in-line skate having a base carrying a plurality of wheels thereon. An upper is secured to a top surface of the base and defines a heel portion, a toe portion, and diametrically opposed side wall portions. The upper is supported by a support structure that includes a heel cup and a toe cup. The toe cup is secured to the toe portion of the upper and slideably coupled to the base so that the toe cup can slide longitudinally with respect to the base. An actuator is coupled to the toe cup and travels therewith. When the actuator is translated, engagement members on the actuator disengage with detents on the base to allow the toe cup to freely slide between longitudinal positions to adjust the shoe size of the skate.

Classifications:**International (IPC 8-9):** A43B3/26 A43B5/16 A63C1/26 A63C17/00

A63C17/06 (Advanced/Invention);

A63C17/00 A63C17/06 (Advanced/Non-invention);

A43B3/00 A43B5/16 A63C1/00 A63C17/00 A63C17/04 (Core/Invention)

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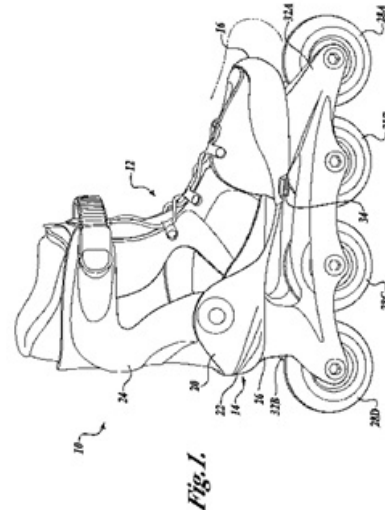
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A63C17/06 K63C203/48

US: 280/11.16 280/11.221 280/11.221P 280/11.231 280/11.26 280/11.27 36/97

PatBase - US2002171210_AA

Patent Application Publication Nov. 21, 2002 Sheet 1 of 10 US 2002/0171210 A1

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Priority:

US20010861189 20010518 US20040768983 20040130 WO2004US42276 20041215
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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

18) Family number: 29775019 (US2003040384A)

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Title: VIBRATION DAMPENING GRIP COVER FOR THE HANDLE OF AN IMPLEMENT

Abstract: Source: US2003040384A [EN] A vibration dampening grip cover for the handle of an implement is preferably of multilayer laminate form having an inner vibration dampening layer and an outer gripping layer. A further inner force dissipating stiffening layer is included in the laminate. In a variation of the invention a grip cover is in the form of a sleeve which fits over the end of an implement handle. The sleeve terminates in a peripherally outward knob. The sleeve may be of a single layer made from vibration dampening material or may be a multilayer laminate.

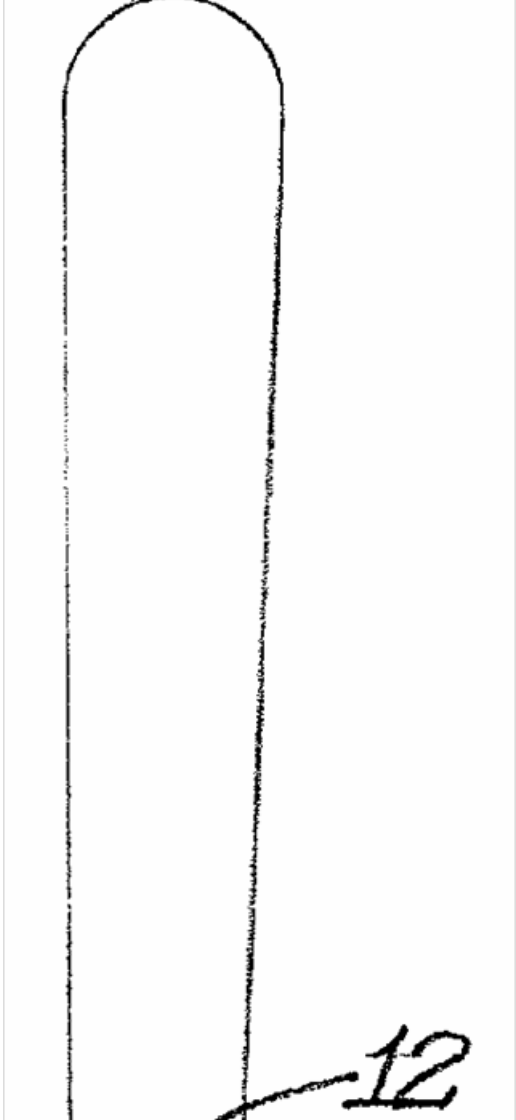
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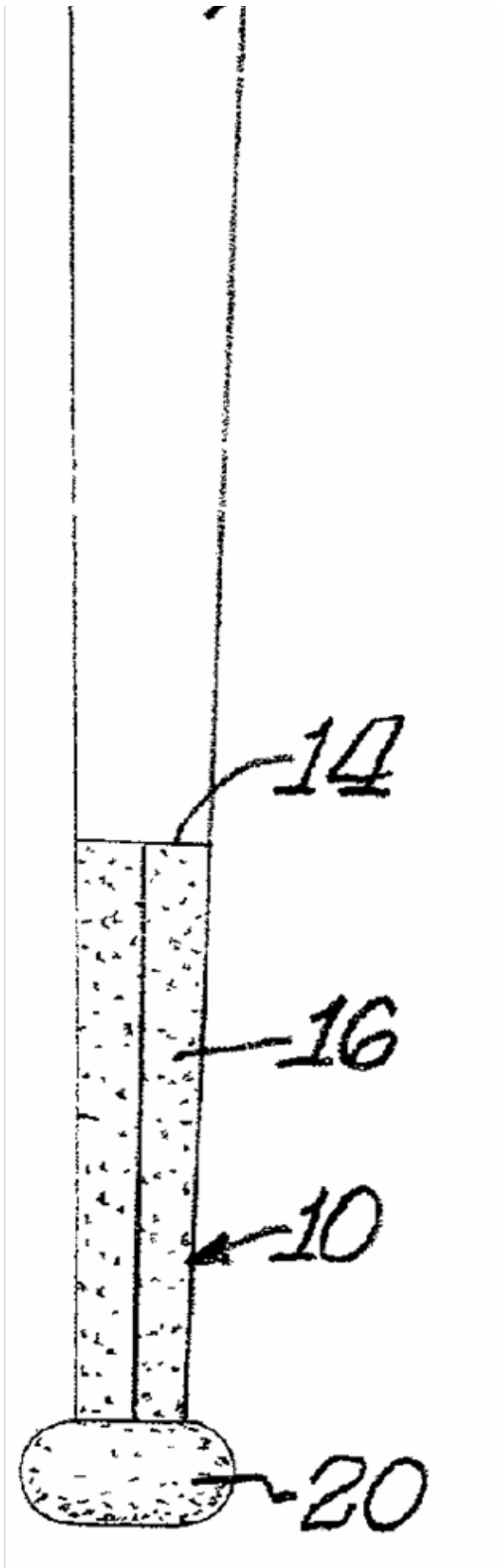
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Probable Assignee: VITO LISA E

Assignee(s): (std): DIMARIO CARMEN ; DIMARIO CARMEN N ; FALONE THOMAS ; INNERCORE GRIP CO ; INNERCORE GRIP COMPANY ; STING FREE CO ; STING FREE TECHNOLOGIES CO ; STING FREE TECHNOLOGIES COMPAN ; STING FREE COMPANY ; MATSCITECHNO LICENSING CO ; MATSCITECHNO LICENSING COMPANY ; UNEQUAL TECH CO ; VITO ROBERT A

Assignee(s): VITO ROBERT ; VITO LISA E ; ALLIANCE BANK ; CONSOLIDATED FIBERGLASS PRODUCTS CO ; MAINLINE SPECIAL OP UT LLC ; REEBOK INT LTD ; MATSCITECHNO LICENSING CO KENNETT SQUARE ; UNEQUAL

TECHNOLOGIES CO ; VITO LISA ; STINGFREE TECHNOLOGIES CO ; INNERCORE GRIP COMPANYUS ; STING
FREE TECHNOLOGIES COMPANY

Inventor(s): (std): CARMEN DIMARIO ; CARMEN FALONE THOMAS VITO ROBE ; DIMARIO CARMEN ; DIMARIO CARMEN A ;
FALONE THOMAS ; THOMAS FALONE ; VITO ROBERT A ; DIMARIO CARMEN N ; THOMAS VITO ROBERT A
DIMARIO C ; ROBERT A VITO ; DIMARION CARMEN N ; CARMEN N DIMARIO ; VITO ROBERTO A ; VITO
ROBERT

Inventor(s): VITO ROBERT A BERWYN ; FALONE THOMAS MICKELTON ; FALONE THOMAS VITO ROBERT A ; DIMARIO
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KOENIG PC; RATNERPRESTIA; ETKOWICZ JACQUES L; MCWILLIAMS THOMAS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU
CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL
IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN
MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI
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19) Family number: 28290889 (US2003231485A)

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Title: TUBULAR ELECTRO-LUMINESCENT PANEL(S) LIGHT DEVICE

Abstract: Source: US2003231485A [EN] A tubular Electro-Luminescent panel(s) light device offer a desired bending directions
with super brightness basing on certain width of panel incorporated proper invertor system. The said panel(s) with much narrow
width than tube means to allow the panel(s) can be bend at any direction and angle within the tube means to offer a desired light
effects. The said panel(s) can be flat or twisted within the tube means which may have the desired colored, transparency, wall
thickness, diameter, shape, length for requirement. The said device may incorporated with non-elastic means, magnetic means,
tube holder, sensor means, integrated circuit to add a lot of desired variety features.

Classifications:

International (IPC 8-9): A41D27/08 A41G1/00 A42B1/24 A43B3/00
A45C15/06 B60Q1/26 B60Q3/02 B60R11/00 B60R13/00 C10G1/00
C12M1/00 C12M1/06 C12M1/12 C12M1/34 C12M3/00 F21K2/00
F21K9/232 F21K9/235 F21K9/60 F21K9/65 F21K99/00 F21L13/00
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F21S2/00 F21S4/00 F21S4/28 F21S6/00 F21S8/00 F21S8/08 F21S9/02
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US: 1/1 29/595 29/825 307/31 313/498 313/511 313/512 315/155 315/160 315/250 315/287 315/314 315/317 315/32 315/86 340/472 345/77 348/142 348/143 348/151 348/159 348/169 348/207.1 348/372 348/373 348/744 348/E5.024 348/E5.026 348/E5.043 348/E5.09 348/E7.085 348/E9.025 349/5 349/62 352/133 353/10 353/101 353/103 353/119 353/122 353/43 353/62 353/7 353/85 353/87 353/95 359/15 359/32 362/101 362/103 362/104 362/108 362/109 362/135 362/145 362/149 362/157 362/158 362/183 362/184 362/190 362/20 362/219 362/221 362/225 362/23 362/23.01 362/23.19 362/231 362/233 362/234 362/235 362/238 362/241 362/249 362/249.01 362/249.02 362/249.03 362/249.06 362/249.07 362/249.09 362/249.11 362/249.12 362/250 362/251 362/253 362/257 362/259 362/267 362/269 362/276 362/277 362/280 362/281 362/285 362/294 362/295 362/296.01 362/298 362/3 362/311 362/311.01 362/311.02 362/311.03 362/311.13 362/338 362/34 362/35 362/362 362/369 362/372 362/375 362/382 362/390 362/394 362/397 362/404 362/421 362/427 362/457 362/487 362/555 362/562 362/565 362/603 362/640 362/641 362/642 362/643 362/644 362/645 362/646 362/647 362/648 362/659 362/8 362/800 362/806 362/84 362/85 362/86 362/87 362/88 362/92 362/95 362/96 362/97.1 363/178 368/10 368/223 368/227 368/242 368/278 368/67 368/80 368/82 368/84 396/155 439/11 439/131 439/165 439/31 439/490 439/502 439/536 439/6 439/638 439/8 713/300

Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: TORMACH LLC

Assignee(s): (std): CHIEN TAENG LU ; CHIEN TSENG L ; CHIEN TSENG LU ; TORMACH LLC ; WALLAGE RAYMOND ROGER

Inventor(s): (std): CHIEN TAENG LU ; CHIEN TSENG L ; CHIEN TSENG LU ; WALLAGE RAYMOND ROGER

Inventor(s): CHIEN TSENG

Agent(s): BACON AND THOMAS PLLC ; ROBERT

Title: SHOE HAVING AN INFLATABLE BLADDER

Abstract: Source: US2004003515A [EN] An article of footwear including a sole and an upper with an exterior and interior surface, and a bladder which comprises at least one of the exterior or interior surfaces. The bladder comprising sheets of polyurethane attached together via welding. The bladder includes a medial compartment and a lateral compartment attached to each other under the foot of the wearer. The article of footwear also includes an inflation mechanism for selectively introducing air to the chambers. The inflation mechanism is located under the foot of the wearer to be activated by the normal action of the wearer.

Classifications:

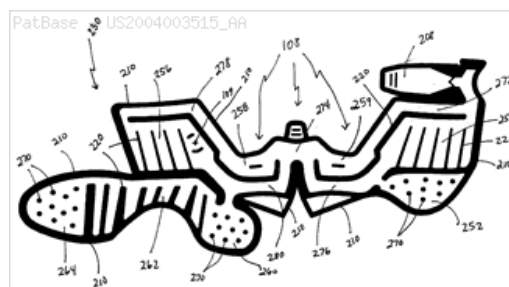
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**Family:**

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Probable Assignee: REEBOK INT LTD

Assignee(s): (std): BUSSE MARK ; CHRISTENSEN BRIAN J ; DAVIS PAUL M ; ELLIS TODD ; MARVIN WILLIAM ; SWALES GEOFF ; LITCHFIELD PAUL E ; REEBOK INT LTD ; REEBOK INTERNATL LTD

Assignee(s): REEBOK INT LTD CANTON ; REEBOK INT ; REEBOK INTERNATIONAL LTD

Inventor(s): (std): BUSSE MARK ; CHRISTENSEN BRIAN J ; DAVIS PAUL ; ELLIS TODD ; LITCHFIELD PAUL ; SWALES GEOFF ; MARVIN WILLIAM ; LITCHFIELD PAUL E ; DAVIS PAUL M ; CHRISTENSEN BRIAN

Inventor(s): LITCHFIELD PAUL E CANTON ; MARVIN WILLIAM CANTON ; PAUL E LITCHFIELD ; PAUL M DAVIS ; SWALES GEOFF CANTON ; WILLIAM MARVIN ; ELLIS TODD CANTON ; GEOFF SWALES ; DAVIS PAUL M CANTON ; CHRISTENSEN BRIAN J CANTON ; BUSSE MARK CANTON

Agent(s): PETER MAXWELL AND ASSOCIATES; OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE CANADA SENCRL SRL LLP; RGC JENKINS AND CO; CROSS JAMES PETER ARCHIBALD; CARPINTERO MARIO; STERNE KESSLER GOLDSTEIN AND FOX PLLC; STERNE KESSLER GOLDSTEIN

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

21) Family number: 31811324 (US2005076536A) © PatBase

Title: ARTICLE OF FOOTWEAR WITH A STRETCHABLE UPPER AND AN ARTICULATED SOLE STRUCTURE

Abstract: Source: US2005076536A [EN] An article of footwear is disclosed that includes at least one of a stretchable upper and an articulated sole structure. The upper may include an exterior layer and an interior layer. The exterior layer forms at least a portion of an exterior of the upper, and the exterior layer includes a plurality of incisions that extend through the exterior layer. The interior layer is located adjacent an inner surface of the exterior layer, and the interior layer is exposed through the incisions. The sole structure may include a connecting portion and a plurality of discrete sole elements. The connecting portion is positioned adjacent the upper and may extend along a longitudinal length of the upper. The sole elements extend from the connecting portion, and the sole elements are separated by a plurality of sipes that extend upward into the sole structure.

Classifications:

International (IPC 8-9): A43B1/00 A43B1/10 A43B13/00 A43B13/12 A43B13/14 A43B13/16 A43B13/18 A43B13/22 A43B13/26 A43B13/28 A43B13/36 A43B13/38 A43B21/00 A43B23/00 A43B23/02 A43B23/04 A43B23/08 A43B23/17 A43B3/00 A43B3/24 A43B3/26 A43B5/00 A43B5/06 A43B7/06 A43B7/14 A43B9/00 A43C15/00 A43C15/02 A43D86/00 B29B7/00 B29C39/02 B29C43/02 B29C45/00 B29C45/37 B29D35/00 B29D35/12 B29L31/50 (Advanced/Invention); B29L31/50 (Advanced/Non-invention); A43B13/00 A43B13/02 A43B13/14 A43B13/18 A43B13/38 A43B23/00 A43B23/02 A43B3/00 A43B7/00 A43B7/14 A43B9/00 A43C15/00 B29C39/02 B29C43/02 B29C45/00 B29D35/00 (Core/Invention); A43B13/14 (Core/Non-invention); A43B (Subclass/Invention)

International (IPC 1-7): A43B13/14 A43B13/18 A43B13/26 A43B13/36 A43B23/04 A43B3/24 A43B7/06 A43B9/00

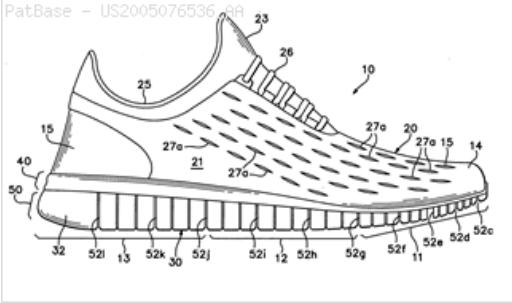
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US: 12/142R 264/299 264/299P 264/319 264/319S 264/328.1 264/328.100S 36/100 36/102 36/102P 36/102S 36/103 36/103P 36/105 36/12 36/12S 36/15 36/25.00R 36/25.00RP 36/25.00RS 36/25R 36/28 36/3 36/3.00AS 36/3.00BP 36/3.00RS 36/30.00RS 36/30R 36/3A 36/3B 36/3R 36/45 36/45S 36/59.00C 36/59.00CS 36/59.00RS 36/59A 36/59C 36/59R 36/88 36/97 36/97P D2/953 D2/959

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Probable Assignee: NIKE INC

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STEVEN ; MCDONALD STEVE ; MESCHTER JAMES C ; LOZANO SERGIO G ; MCDONALD STEVEN C ; MESCHTER JAY ; LOZANO SERGIO ; HOFFER KEVIN W ; PISCIOTTA JEFFREY C ; SHEPERD STANN ; WAATTI TODD ANTHONY ; NIKE INTERNATIONAL LTD ; NIKE INT LTD ; SHEPERD STANN NORMAN RICHARD ; NIKE INNOVATE CV ; NIKE INNOVATE C V

Assignee(s): NIKE INNOVATE CV KOMMANDITGESELLSCHAFT NIEDERLAENDISCHEN RECHTS BEAVERTON ; NIKE INNOVATE CV BEAVERTON ; NIKE INCONE BOWERMAN DRIVEBEAVERTONOR97005-6453US ; NIKE INT LTDONE BOWERMAN DRIVEBEAVERTONOR97005US ; NIKE INNOVATE CVONE BOWERMAN DRIVEBEAVERTONOR97005-6453US ; NIKE INTERNATIONAL LIMITED

Inventor(s): (std): ANTHONY WAATTI TODD ; AVAR ERIC ; AVAR ERIC P ; HATFIELD TOBIE D ; HATFIELD TOBIE D AVAR ERIC P P ; HOFFER KEVIN ; LONG BRADLEY S ; MCDONALD STEVE ; DEVERSA ANTHONY P ; HATFIELD TOBIE ; MCDONALD STEVEN ; PISCIOTTA JEFFREY ; PISCIOTTA JEFFREY C ; STEVEN LONG BRADLEY S MCDONALD ; STEVEN MCDONALD ; WAATTI TODD ; WAATTI TODD A ; WAATTI TODD ANTHONY ; SHEPARD STANN ; SHEPERD STANN ; SHEPERD STANN N R ; MESCHTER JAMES ; SHEPERD STANN NORMAN RICHARD ; SHEPERD STANN N ; MESCHTER JAMES C ; MCDONALD STEVEN C ; LOZANO SERGIO G ; LOZANO SERGIO ; HOFFER KEVIN W ; MESCHTER JAY ; HOFRER KEVIN W ; WAATI TODD ANTHONY ; TODD ANTHONY WAATTI ; TOBIE D HATFIELD ; STANN SHEPERD ; KEVIN HOFFER ; JEFFREY C PISCIOTTA ; JAMES MESCHTER ; ERIC P AVAR ; DENIS DEKOVIC ; LONG BRADLEY ; BRADLEY LONG ; DUKOVIC DENIS ; DEKOVIC DENIS ; DAVERSA ANTHONY P ; DAVERSA ANTHONY

Inventor(s): AVAR ERIC ALOHA ; HATFIELD TOBIE LAKE OSWEGO ; MESCHTER JAMES PORTLAND ; HOFFER KEVIN PORTLAND ; PISCIOTTA JEFFREY OREGON CITY ; MESCHTER JAMESUS ; SHEPERD STANN NR ; SHEPERD STANNUS ; WAATTI TODD ANTHONYUS ; WAATTI TODD BATTLEGROUND ; SHEPERD STANN SANTA CRUZ ; PISCIOTTA JEFFREY CUS ; MCDONALD STEVEN HEBER ; HATFIELD TOBIE BEAVERTON ; MCDONALD STEVE BEAVERTON ; MCDONALD STEVE C O NIKE INC ; HOFFER KEVINUS ; LONG BRADLEY PORTLAND ; HATFIELD TOBIE D AVAR ERIC P PISCIOTTA JEFFREY C M ; HATFIELD TOBIE D C O NIKE INC ; HATFIELD TOBIE DUS ; AVAR ERIC PUS

Agent(s): DAVIES COLLISON CAVE PTY LTD; DAVIES COLLISON CAVE; SMART AND BIGGAR; KOTITSCHKE AND HEURUNG PARTNERSCHAFT MBB; TOMBLING ADRIAN GEORGE; TOMBLING ADRIAN GEORGE ET AL; SHIMIZU HATSUSHI; OSAKABE SUGURU; BANNER AND WITCOFF LTD; ALMETER ELIZABETH A

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

22) Family number: 32018915 (US2005132607A)

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Title: ARTICLE OF FOOTWEAR HAVING A FLUID-FILLED BLADDER WITH A REINFORCING STRUCTURE

Abstract: Source: US2005132607A [EN] A sole component and a method of manufacturing the sole component are disclosed. In general, the sole component includes a fluid-filled bladder and a reinforcing structure extending around the bladder. The reinforcing structure is bonded to the exterior of the bladder, and may be recessed into the bladder. In some embodiments, the reinforcing structure extends along the side surfaces of the bladder and between upper and lower surfaces of bladder. In manufacturing the sole component, the reinforcing structure may be located within a mold, and the polymer material forming the bladder may be bonded to the reinforcing structure during the molding process.

Classifications:

International (IPC 8-9): A43B13/14 A43B13/18 A43B13/20 A43B13/22 A43B21/28 A43B23/00 A43B7/32 A43D25/06 A43D86/00 B29B31/50 B29C65/02 B29D22/00 B29D23/00 B29D31/515 B29D31/518 B29D35/12 B29D35/14 B32B1/08 B32B27/08 B32B37/00 (Advanced/Invention); A43B13/18 A43B21/00 B29C65/02 B29D22/00 B29D23/00 B29D35/00 B32B1/00 B32B27/08 (Core/Invention); A43B13/18 (Core/Non-invention); A43B (Subclass/Invention)

International (IPC 1-7): A43B13/18 A43B13/20 A43B21/28 B29D31/515 B29D31/518

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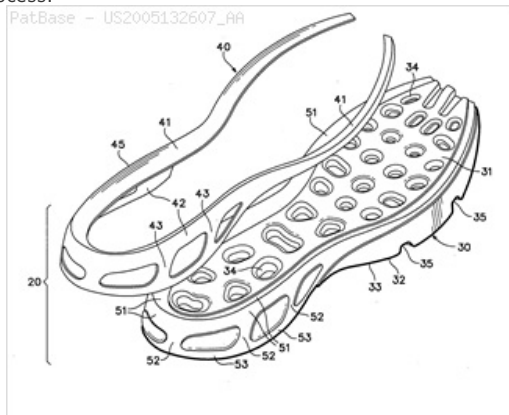
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US: 12/142.00P 12/142P 12/146B 156/145 156/196 156/221 156/245 156/308.2 264/241 264/248 264/255 264/314 264/322 264/510 264/511 29/900 36/141 36/153 36/25R 36/28 36/28S 36/29 36/29P 36/35.00BS 36/35B 36/3B 36/45 36/45S 428/35.2 428/35.4 428/35.7 428/36.6 D2/977

Locarno class: 02/99

Family:

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Priority:

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Probable Assignee: NIKE INC

Assignee(s): (std): AVENI MICHAEL A ; DOJAN FREDERICK J ; FOXEN THOMAS ; HOLT SCOTT C ; LINDNER TROY C ; NIKE INC ; NIKE INT LTD ; NIKE INTERNATIONAL LTD ; NIKE INTERNAT LTD GB ; NIKE INC GB ; NIKE INT LTD GB ; NIKE INNOVATE CV ; SWIGART JOHN F ; SCHINDLER ERIC STEVEN ; PISCIOTTA JAFFREY C ; NIKE INTERNATL LTD

Assignee(s): NIKE INTERNATIONAL LTD GB ; NIKEINC ; NIKE INTERNATIONAL LTD BM ; NIKE INCONE BOWERMAN DRIVEBEAVERTONOR97005-6453US ; NIKE INT LTDONE BOWERMAN DRIVEBEAVERTONOR97005US ; NIKE INNOVATE CVONE BOWERMAN DRIVEBEAVERTONOR97005-6453US ; NIKE INNOVATE CV KOMMANDITGESELLSCHAFT NIEDERLAENDISCHEN RECHTS BEAVERTON ; NIKE INNOVATE CV BEAVERTON ; NIKE INNOVATE C V

Inventor(s): (std): DOJAN FREDERICK J FOXEN THOMAS ; ERIC STEVEN SCHINDLER ; FOXEN THOMAS ; DOJAN FREDERICK J ; FREDERICK J DOJAN ; JOHN F SWIGART ; PISCIOTTA JAFFREY C ; SCHINDLER ERIC S ; SCHINDLER ERIC STEVEN ; SWIGART JOHN ; SWIGART JOHN F ; THOMAS FOXEN ; PISCIOTTA JAFFREY ; LINDNER TROY C ; LINDNER TROY ; HOLT SCOTT C ; SCHINDLER ERIC ; PISCIOTTA JEFFREY C ; DOJAN FREDERICK ; AVENI MICHAEL A ; AVENI MICHAEL

Inventor(s): PISCIOTTA JEFFREY ; AVENI MICHAEL A BEAVERTON ; HOLT SCOTT ; TROY C LINDNER ; SWIGART JOHN F PORTLAND ; SWIGART JOHN FUS ; SCHINDLER ERIC STEVEN PORTLAND ; SCHINDLER ERIC STEVENUS ; SCOTT C HOLT ; PISCIOTTA JAFFREY C BEAVERTON ; LINDNER TROY C BEAVERTON ; MICHAEL A AVENI ; HOLT SCOTT C BEAVERTON ; JAFFREY C PISCIOTTA ; DOJAN FREDERICK J BEAVERTON ; FOXEN THOMAS BEAVERTON ; FOXEN THOMAS PORTLAND ; FOXEN THOMASUS ; DOJAN FREDERICK J FOXEN THOMAS SCHINDLER ERIC S SW ; DOJAN FREDERICK J VANCOUVER ; DOJAN FREDERICK JUS

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR; KOTITSCHKE AND HEURUNG PARTNERSCHAFT MBB; KOTITSCHKE AND HEURUNG PARTNERSCHAFT MBB PATENT U RECHTSANWALTSKANZLEI; TOMBLING ADRIAN GEORGE; TOMBLING ADRIAN GEORGE ET AL; SIMPSON KIRSTY MAIRI; BANNER AND WITCOFF LTD; PLUMSEA LAW GROUP LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

23) Family number: 32307162 (US2005160630A)

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Title: SOCCER SHOE COMPONENT OR INSERT MADE OF ONE MATERIAL AND/OR A COMPOSITE AND/OR LAMINATE OF ONE OR MORE MATERIALS FOR ENHANCING THE PERFORMANCE OF THE SOCCER SHOE

Abstract: Source: US2005160630A [EN] An insert for soccer shoes absorbs and store energy from the foot at foot-strike and return some of this energy to the object being struck. The insert may also cushion the foot, leg and body; provide foot stability and motion control; reduce fatigue; extend the float time of a runner and increase the jump height of the wearer. The insert is intended to absorb, store and return energy to the object struck, which would otherwise lost using the existing shoe components and inserts. The insert preferably extends around the periphery of the front of the shoe and extends longitudinally as well from the front of the shoe towards the back of the shoe, at least to about the middle of the shoe, and preferably proximate the heel of the shoe.

Classifications:

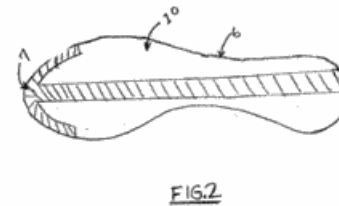
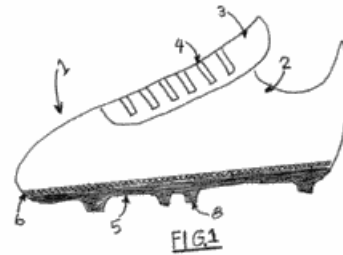
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International (IPC 1-7): A43B13/18 A43B5/02

CPC: A43B13/10 A43B13/12 A43B13/42 A43B13/026 A43B13/187 A43B17/003 A43B5/025 A43B5/02

European: A43B13/02C A43B13/10 A43B13/12 A43B13/18F A43B13/42 A43B17/00B A43B5/02

US: 36/102 36/103 36/107 36/107P 36/108 36/114 36/114S 36/128 36/128S 36/133 36/133 36/30.00R 36/30.00RS 36/30R 36/43 36/43S 36/84 36/85 36/87

**Family:**

Publication number	Publication date	Application number	Application date
US2005160630 AA	20050728	US20030660119	20030911
US2005235527 AA	20051027	US20050096109	20050331
US2009199434 AA	20090813	US20090368803	20090210
US2012324759 AA	20121227	US20120484030	20120530
US2014259767 AA	20140918	US20140211873	20140314
US7487604 BB	20090210	US20050096109	20050331
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Priority:

US20020409383P	20020911	US20020409386P	20020911	US20030502002P	20030911
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Probable Assignee: EAST TEXAS BOOT CO LLC**Assignee(s):** (std): PERRON EDWARD J JR ; PERRON JR J EDWARD**Assignee(s):** PERRON J E JR ; PERRON J EJR ; EAST TEXAS BOOT CO LLC ; PERRON EDWARD J**Inventor(s):** (std): PERRON J E JR ; PERRON JR J EDWARD ; PERRON EDWARD J JR**Inventor(s):** PERRON EDWARD J ; PERRON J EDWARD ; PERRON J ; PERRON J EJR ; PERRON EDWARD ; PERRON EDWARD JJR**Agent(s):** GARVEY SMITH NEHRBASS AND DOODY LLC; GARVEY SMITH NEHRBASS AND NORTH LLC; NEHRBASS SETH M; GARVEY JR CHARLES C; SETH M; CHARLES C**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW**24) Family number: 32475144** (US2005268488A)

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Title: SHOE APPARATUS WITH IMPROVED EFFICIENCY

Abstract: Source: US2005268488A [EN] A shoe is provided for improving use efficiency through reduction of neuromuscular fatigue. The shoe includes an upper having a generally horizontal bottom wall. The bottom wall includes an upper surface and a lower surface. The upper comprises a forward region having a forward center of loading and a rear region having a rear center of loading. The shoe further includes a sole comprising a midsole and an outsole. The midsole comprises a suspension element, which can have a generally elongated shape. The suspension element further has a center of compression, which is generally aligned with at least one of the first and second centers of loading of the upper. The shoe can have a hinge located within the sole for providing enhanced efficiency to the user. The hinge and suspension element(s) can take various forms. The position and structure of the hinge and suspension element(s) in relation to the midsole can take various forms as well. The biomechanical action of the heel element, forefoot element and hinge can be dynamically coupled to create a highly resilient suspension system with a low rate of loading throughout the stride, thus allowing a natural, "barefoot" gait for the wearer. As a result, the wearer experiences a significant reduction in jarring impacts for any phase of the stride, a corresponding reduction in cumulative fatigue and a lower rate of chronic or traumatic injury. A method of manufacturing a suspension element for a shoe is also provided, and

includes the steps of providing a die having a length, a width and a thickness, the length accommodating a plurality of suspension elements; wrapping a plurality of coated or wetted fibers around the width of the die to form the suspension elements; drying or curing the fibers to a substantially integrated form; and separating the plurality of suspension elements into independent suspension elements.

Classifications:

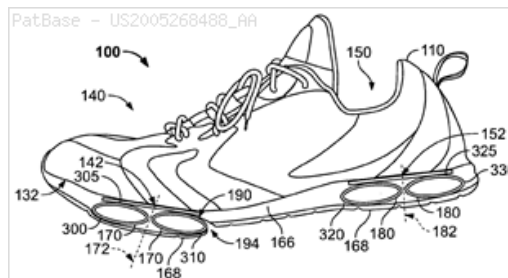
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International (IPC 1-7): A43B13/20 A43B13/28

CPC: A43B13/141 A43B13/16 A43B13/206 A43B13/20

European: A43B13/20 A43B13/20T

US: 36/102 36/27 36/28 36/29 36/35B 36/35R 36/37



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20040862638 20040607 US20050570214 20050607 WO2005US19915 20050607

Probable Assignee: ENERGY MANAGEMENT ATHLETICS LLC

Assignee(s): (std): ENERGY MAN ATHLETICS LLC ; HANN LENN R

Assignee(s): NEAL GERBER AND EISENBERG LLP ; ENERGY MANAGEMENT ATHLETICS LLC

Inventor(s): (std): HANN LENN ; HANN LENN R

Inventor(s): LENN R HANN

Agent(s): SPRUSON AND FERGUSON; OGILVY RENAULT LLP SENCRL SRL; WALLENSTEIN WAGNER AND ROCKEY LTD; NEAL GERBER AND EISENBERG; NEAL GERBER AND EISENBERG LLP; MURAFF JAMES P; JAMES P; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

25) Family number: 32657845 (US2006042121A)

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Title: HIGHHEELCOM

Abstract: Source: US2006042121A [EN] This invention is the special sole construction, comprising an upper sole, an internal suspension support, a lower sole, a chamber and a U-support. It is used for the assembly of any shoe construction or footwear. The invention will aid in relief of pains arising from upward stroke against the heel of the foot from the heel of the shoe and generated during walking and standing with a heel shoe. The invention is to transmit the upward stroke from the heel of the shoe to the whole area of the sole of the foot and NOT JUST TO THE HEEL OF THE FOOT; and therefore minimizes and even eliminates the upward stroke against the heel of the foot in such that the wearer of the invention experiences the upward stroke from the heel of the shoe as if he wears the shoe without the heel. Finally, the invention helps prevent ankle pain, knee pain, hip pain and lower back pain.

Classifications:

International (IPC 8-9): A43B13/12 A43B13/28

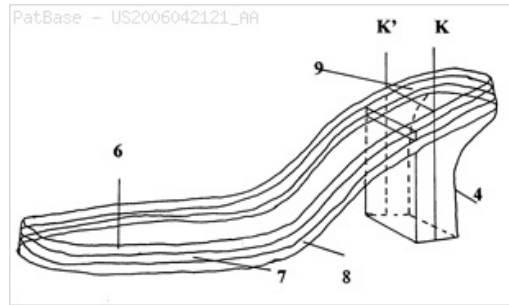
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A43B13/00 A43B13/02 (Core/Invention)

CPC: A43B7/144 A43B13/12 A43B13/20

European: A43B13/12 A43B13/20 A43B7/14A20H

US: 36/24.5 36/24.500 36/30.00R 36/30R 36/34.00R 36/34R



Family:

Publication number	Publication date	Application number	Application date
US2006042121 AA	20060302	US20040924121	20040824
US7213352 BB	20070508	US20040924121	20040824

Priority:

US20040924121 20040824

Probable Assignee: TSE KIN MING

Assignee(s): (std): TSE KIN M ; TSE KIN MING

Inventor(s): (std): TSE KIN M ; TSE KIN MING

Inventor(s): TSE KIN

Agent(s): KIN MING TSE; HAMRE SCHUMANN MUELLER AND LARSON PC

26) Family number: 41117989 (US2008016718A)

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Title: IMPACT-ATTENUATION SYSTEMS FOR ARTICLES OF FOOTWEAR AND OTHER FOOT-RECEIVING DEVICES

Abstract: Source: US2008016718A [EN] Impact-attenuation systems, e.g., for use in footwear, can help control foot positioning during a step cycle, e.g., to help reduce or eliminate misorientation of the foot, and the fatigue and/or strain that may result from such misorientation. Articles of footwear including such impact-attenuation systems may include: (a) an upper member; and (b) a sole structure engaged with the upper member. The sole structure may include: (i) a first impact-attenuating member located in a heel portion of the foot-supporting member, and (ii) a second, separate impact-attenuating member located at a rear, lateral heel portion. The second impact-attenuating member may be designed and/or configured to provide less resistance to an impact force as compared with the first impact-attenuating member.

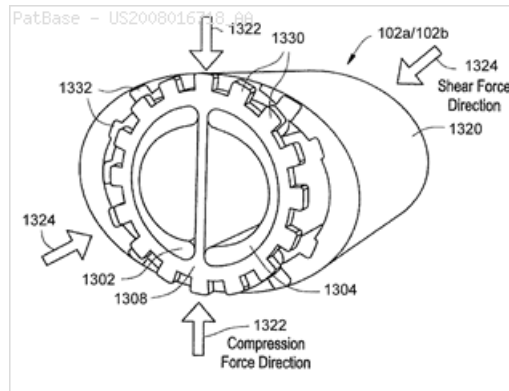
Classifications:

International (IPC 8-9): A43B13/18 A43B13/20 A43B13/28 A43B21/26 A43B5/00 A43B7/24 A43D33/00 A43D8/00 (Advanced/Invention); A43B13/00 A43B13/18 (Core/Invention)

CPC: A43B7/24 A43B13/188 A43B13/183 A43B13/186 A43B21/26 A43B13/181

European: A43B13/18A A43B13/18A2 A43B13/18A5

US: 12/142R 12/146.00BS 12/146.00CS 12/146B 12/146C 12/147.00RS 12/147R 36/142 36/27 36/27P 36/27S 36/28 36/28P 36/28S 36/29 36/29S 36/35.00R 36/35.00RS 36/35R 36/37



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: NIKE INC

Assignee(s): (std): AVENI MICHAEL A ; FAGERGREN FRED G ; NIKE INC ; NIKE INNOVATE CV ; NIKE INT LTD ; NIKE INTERNATIONAL LTD ; SMALDONE PATRICIA L

Assignee(s): NIKE INNOVATE CV BEAVERTON ; NIKE INNOVATE CV KOMMANDITGESELLSCHAFT NIEDERLAENDISCHEN RECHTS BEAVERTON

Inventor(s): (std): FAGERGREN FRED G ; SMALDONE PATRICIA L ; SMALDONE PATRICIA ; AVENI MICHAEL ; AVENI MICHAEL A ; FAGERGREN FRED ; FAGERGREN FRED

Inventor(s): AVENI MICHAEL A BEAVERTON ; AVENI MICHAEL BEAVERTON ; SMALDONE PATRICIA L BEAVERTON ; FAGERGREN FRED G BEAVERTON ; SMALDONE PATRICIA BEAVERTON ; FAGERGREN FRED BEAVERTON

Agent(s): KOTITSCHKE AND HEURUNG PARTNERSCHAFT MBB; FLEUCHAUS AND GALLO PARTNERSCHAFT MBB; TOMBLING ADRIAN GEORGE ET AL; TOMBLING ADRIAN GEORGE; BANNER AND WITCOFF LTD; RAUCHHOLZ WILLIAM F

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

27) Family number: 43379200 (US2011308106A)

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Title: MIDSOLE FOR A SHOE WHICH HAS THE SHOCK-DISPERSING FUNCTION AND THE SAME FOOT ROLLING FUNCTION

Abstract: Source: US2011308106A [EN] Disclosed is a midsole for a shoe which is capable of peacefully supporting the sole of the foot on which most of the wearer's weight may be applied, which is capable of performing the shock-dispersing function and the same foot rolling function, and which is capable of providing elastic air cushioning and shock-absorbing effects for relieving foot pressure. The midsole **11** has a shock-absorbing space **12** for providing a cushioning effect in an underside thereof, the shock-absorbing space **12** extending from a heel portion to a toe portion of the shoe along an outer periphery surface of the midsole **11**. Cross sectional areas are defined by the shock-absorbing space **12** increasing from an arch-supporting middle segment to a heel-supporting rear segment or a toe-supporting front segment. A plurality of cutaway grooves **18** are formed at a bottom surface of the midsole **11** along the longitudinal direction of the midsole **11** at a certain distance. A plurality of ribs **17** protrude from an upper surface of the midsole **11** within the shock-absorbing space **12** in such a way as to align the position of the rib **17** with the position of the cutaway groove **18**.

Classifications:

International (IPC 8-9): A43B13/18 A43B13/38 A43B13/40

A43B17/02 (Advanced/Invention);

A43B13/38 (Core/Invention)

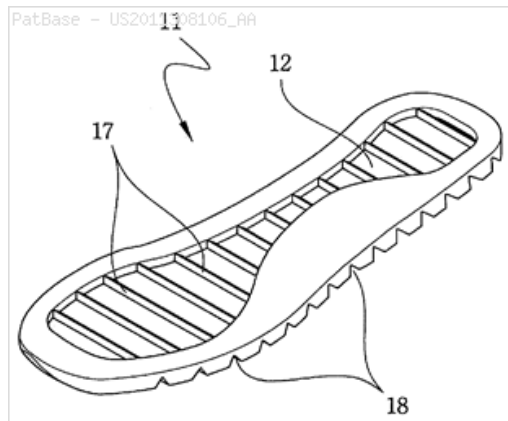
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A43B7/1445 A43B13/181

European: A43B13/18A A43B13/20 A43B7/14A20A A43B7/14A20B

A43B7/14A20F A43B7/14A20H A43B7/14A20M

US: 36/28 36/28P



Family:

Publication number	Publication date	Application number	Application date
JP2012501717 T2	20120126	JP20110525991T	20090908
JP5601593 B2	20141008	JP20110525991T	20090908
KR100884659 B1	20090303	KR20080088150	20080908
US2011308106 AA	20111222	US20090062813	20090908
WO10027235 A2	20100311	WO2009KR05069	20090908
WO10027235 A3	20100624	WO2009KR05069	20090908

Priority:

KR20080088150 20080908 WO2009KR05069 20090908

Probable Assignee: JI ONE FRS CORP

Assignee(s): (std): JI ONE FRS CORP ; LIM GAB HO

Inventor(s): (std): LIM GAB HO

Agent(s): KIM SEONG HWAN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

28) Family number: 44068181 (DE102008025289A1)

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Title: SHOE E.G. SPORTS SHOE, FOR USE BY PLAYER, HAS RUNNING SOLE COMPRISING RETAINERS CONNECTED WITH TRACTION UNITS, WHERE ANGLE OF TRACTION UNITS IS ADJUSTED IN INDIVIDUALLY SELECTED POSITION BASED ON LONGITUDINAL OR TRANSVERSE AXIS OF SOLE

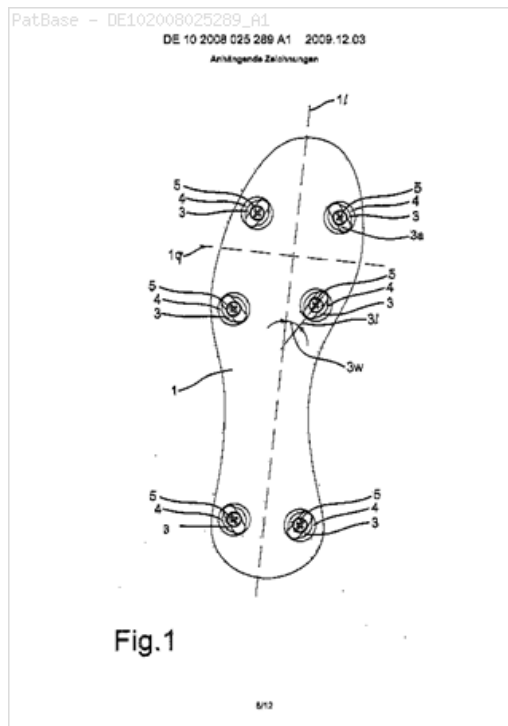
Abstract: The shoe has a running sole (1) comprising retainers for detachable connection with traction units (3) by using a distance piece (4), where an adjusting angle of the traction units is adjusted in an individually selected position based on a longitudinal axis (1l) or transverse axis (1q) of the running sole. The retainers are designed as a bayonet connection or plug connection, and the distance piece has form units, where the traction units and the distance piece form a single-piece gripping unit from aluminum-alloy or duroplastic or thermoplastic.

Classifications:

International (IPC 8-9): A43B5/00 A43C15/16 (Advanced/Invention); A43B5/00 A43C15/00 (Core/Invention)

CPC: A43B5/06 A43B13/26 A43C15/161 A43C15/162

European: A43B13/26 A43B5/06 A43C15/16A A43C15/16C



Family:

Publication number	Publication date	Application number	Application date
DE102008025289 A1	20091203	DE200810025289	20080527

Priority:

DE200810025289 20080527

Probable Assignee:

EIFLER CLAUS

Assignee(s): (std):

EIFLER CLAUS ; ZORN NILS

Inventor(s): (std):

EIFLER CLAUS ; ZORN NILS

29) Family number: 45026006 (CO6150035A)

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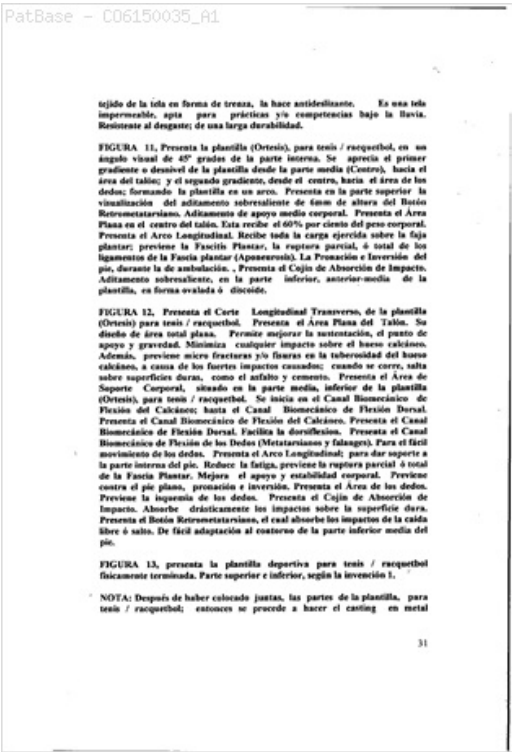
Title: PLANTILLAS DEPORTIVAS PARA TENIS Y RAQUETBOL TEMPLATES tennis and racquetball SPORTS (Machine translation)

Abstract: Source: CO6150035A [ES] La plantilla (Ortesis), deportiva para tenis / racquetbol caracterizada porque posee una parte superior, media y una inferior. Cada una con una configuracion y aditamentos diferentes. En la parte superior presenta: Una SUPERFICIE PLANA PARA EL TALON; dentro de la superficie plana, un DEPRIMIDO O CONCAVIDAD EN EL CENTRO DEL TALON. En la parte media de la plantilla, presenta un BOTON RETROMETATARSIANO. En la parte anterior interna, presenta un DEPRIMIDO O CONCAVIDAD PARA LA BOLA O SESAMOIDE. En el area de los dedos, presenta CINCO DEPRIMIDOS O CONCAVIDADES para cada uno de los dedos. Presenta en la parte media de la plantilla UN GRADIENTE O DESNIVEL HASTA EL TALON y un segundo GRADIENTE O DESNIVEL hasta el area de los dedos; dandole a la plantilla una forma de arco. La plantilla se encuentra revestida con una TELA SINTETICA, ANTIDESLIZANTE E IMPERMEABLE. En la parte inferior presenta: Un AREA PLANA PARA EL TALON; Un CANAL BIOMECANICO DE FLEXION PARA EL CALCANEIO. Un ARCO LONGITUDINAL; Un AREA DE SOPORTE CORPORAL; Un CANAL BIOMECANICO DE FLEXION DORSAL; Un COJIN DE ABSORCION DE IMPACTO; Un CANAL BIOMECANICO DE FLEXION DE LOS DEDOS. UNA AREA PLANA PARA LOS DEDOS; Una BARRA O CUNA LONGITUDINAL INTERNA. La plantilla para tenis / racquetbol, de la reivindicacion numero 1 la cual se encuentra fabricada en material Poliuretano (PU), de baja densidad, vulcanizada. De 75 gramos de materia prima y material poliester como revestimiento. **Machine translation:** The template (Bracing) sports Tennis / Racquetball characterized in that it has an upper, middle and lower. Each with a different hardware configuration. At the top presents: A flat surface for TALON; within the flat surface, a depressed or concavity in the center of the heel. In the middle of the template, has a button RETROMETATARSIANO. On the internal front, it presents a

depressed or CONCAVITY FOR THE BALL OR sesamoid. In the area of the fingers, it presents FIVE depressed or recesses for each finger. It presents in the middle of the gradient or sloping template to the heel and a second gradient, or elevation to the area of the fingers; template giving an arc shape. The template is coated with a synthetic fabric, non-slip and waterproof. At the bottom presents: A FLAT FOR THE HEEL AREA; A biomechanical CHANNEL BEND FOR calcaneus. A longitudinal arch; A BODY SUPPORT AREA; A biomechanical CHANNEL dorsiflexion; A cushion shock absorption; A CANAL biomechanical finger flexion. A FLAT AREA FOR FINGERS; A bar or inner longitudinal CUNA. The template for tennis / racquetball, number of claim 1 which is made of polyurethane (PU) material, low density, vulcanized. 75 grams of raw materials and coated polyester materials.

Classifications:

International (IPC 8-9): A43B17/00 (Advanced/Invention);
A43B17/00 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
CO6150035 A1	20100420	CO20090039539	20090420

Priority:

CO20090039539 20090420

Probable Assignee: RESTREPO BETANCUR RAUL DEL SOC

Assignee(s): (std): RESTREPO BETANCUR RAUL DEL SOC

Assignee(s): RESTREPO BETANCUR RAUL DEL SOCORRO ; RAUL DEL SOCORRO RESTREPO BETANCUR

Inventor(s): (std): RESTREPO BETANCUR RAUL DEL SOCORRO

Inventor(s): RAUL DEL SOCORRO RESTREPO BETANCUR

30) Family number: 47546047 (US2010281712A)

PatBase

Title: SHOE ASSEMBLY WITH NON-LINEAR VISCOUS LIQUID

Abstract: Source: US2010281712A [EN] Shoes and shoe sole assemblies and associated methods of manufacture are disclosed herein. One aspect of the invention is directed toward a shoe and shoe sole assembly made of a non-linearly viscous, SEBS block copolymer-based material that becomes more resilient as more energy is applied. The shoe and shoe sole assembly is configured with a heel and forefoot insert configured to fit within a recess in a midsole. In other embodiments, the non-linearly viscous, SEBS block copolymer-based material is mixed with at least one other polymer in a foam. The midsole is formed with a heel impact region and a forefoot region made of the foam.

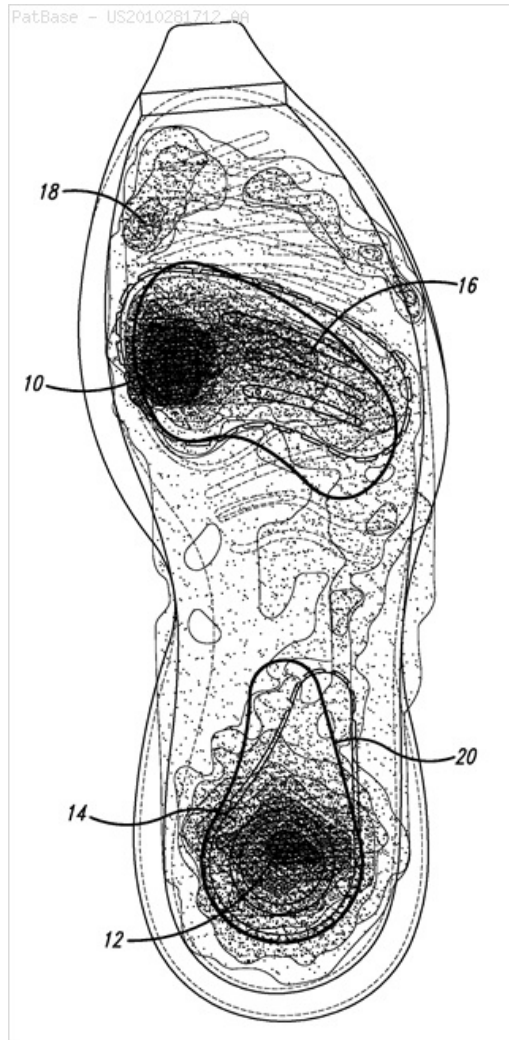
Classifications:

International (IPC 8-9): A43B1/00 A43B13/00 A43B13/02 A43B13/14 A43B13/18 A43B13/28 A43B13/37 A43B13/38 A43B21/26 A43B5/06 A43B7/14 A43D8/00 B08B5/04 B29C44/02 B29D35/14 C08J9/00 (Advanced/Invention)

CPC: A43B13/189 A43B1/14 A43B13/02 A43B13/04 A43B7/1425 A43B7/1435 A43B7/144 A43B7/1445 A43B13/187 B29C44/02 B29D35/142

European: A43B13/18F A43B7/14A20B A43B7/14A20F A43B7/14A20H A43B7/14A20M B29C44/02 B29D35/14B

US: 12/142.00TS 12/142T 12/146.00BS 12/146B 36/102 36/28 36/28P 36/29 36/35.00R 36/35.00RS 36/35R

**Family:**

Publication number	Publication date	Application number	Application date
AU2010201593 AA	20101125	AU20100201593	20100421
AU2010201593 BB	20150709	AU20100201593	20100421
CA2701045 AA	20101111	CA20102701045	20100419
CA2701045 C	20150915	CA20102701045	20100419
CN101884449 A	20101117	CN201010174256	20100506
CN101884449 B	20150401	CN201010174256	20100506
CN104687641 A	20150610	CN201510127576	20100506
EP2250919 A2	20101117	EP20100162070	20100506
EP2250919 A3	20110119	EP20100162070	20100506
JP2010259811 A2	20101118	JP20100109416	20100511
JP5832724 B2	20151216	JP20100109416	20100511
US2010281712 AA	20101111	US20090464048	20090511
US2013000151 AA	20130103	US20120523154	20120614
US2014331519 AA	20141113	US20140176383	20140210
US8209885 BB	20120703	US20090464048	20090511
US8661709 BB	20140304	US20120523154	20120614

Priority:

US20090464048 20090511 CN201010174256 20100506 US20120523154 20120614
 US20140176383 20140210

Probable Assignee: BROOKS SPORTS INC

Assignee(s): (std): BROOKS SPORTS INC ; VEERIAH VAIKUNTHANATHAN ; CAMPBELL DEREK ; HUMPHREY PETE

Inventor(s): (std): CAMPBELL DEREK ; DEREK CAMPBELL ; VEERIAH VAIKUNTHANATHAN ; HUMPHREY PETE ; VAIKUNTHANATHAN VEERIAH ; PETE HUMPHREY

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; OYEN WIGGS GREEN AND MUTALA LLP; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER ANWALTSSOZIALTET; INO SARI; DESHIMARU TAKESHI; MATSUSHITA MITSURU; KURASAWA ICHIRO; KUMAKURA YOSHIO; PERKINS COIE LLP; PATENT-SEA; PERKINS COIE LLP PATENT SEA; PERKINS COIE LLP

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Title: HUMAN LOCOMOTION ASSISTING SHOE

Abstract: Source: US2010319215A [EN] Embodiments of footwear, in particular, a shoe, sandal or boot, may reduce the effort and improve the performance of walking, running, hiking, marching, and various other gaits as well as jumping, hopping, and other motion involving the ankle and lower leg and Achilles tendon, through integration of force-carrying mechanisms within footwear that manage the forces and energy associated with such motion by productively harvesting and storing energy during dorsiflexion motion and releasing and returning energy during plantar flexion. One structural element of such footwear may comprise a top collar yoke having anterior and posterior gussets forming a channel and a shoe comprising a rotation zone supporting the channel and an elastomeric zone forming a tension spring via an elastomeric overlay or otherwise providing a spring-like member approximately parallel to and to assist the Achilles tendon during locomotion.

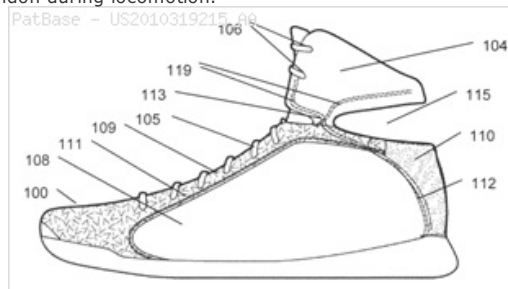
Classifications:

International (IPC 8-9): A41D1/06 A41D13/02 A41D13/05 A41D13/06
A43B13/28 A43B23/00 A43B23/02 A43B23/08 A43B3/00 A43B5/00
A43B5/06 A43B5/10 A43B7/14 A43B7/18 A43B7/20 A43B7/32 A43C1/00
F16L (Advanced/Invention);
F16L (Subclass/Invention)

CPC: A41D13/0543 A43B5/002 A43B7/147 A43B23/0245 A43B23/086
A43B23/087 A43C1/00 A43B5/06 A43B23/028 A43B23/0205 A43B5/10
A41D1/06 A41D13/02 A41D13/065 A43B7/18 A43B7/20 A43B3/12
A43B7/32 A43B23/027 A43B23/0275

European: A43C1/00

US: 1/1 2/22 36/102 36/27 36/27P 36/45 36/88 36/89

**Family:**

Publication number	Publication date	Application number	Application date
IN00630DN2012 A	20150612	IN2012DN00630	20120122
US2010319215 AA	20101223	US20100720408	20100309
US2013219753 AA	20130829	US20130839202	20130315
US2013263349 AA	20131010	US20120679611	20121116
US2017027278 AA	20170202	US20160224532	20160730
US8438757 BB	20130514	US20100720408	20100309
US9282783 BB	20160315	US20130839202	20130315
US9572395 BB	20170221	US20120679611	20121116
WO11005559 A2	20110113	WO2010US39598	20100623
WO11005559 A3	20110421	WO2010US39598	20100623

Priority:

US20090219763P	20090623	US20100293621P	20100109	US20100720408	20100309
WO2010US39598	20100623	US20110496758P	20110614	US20110560289P	20111116
US20120679611	20121116	US20130839202	20130315	US20160224532	20160730

Probable Assignee: MARK COSTIN ROSER**Assignee(s):** (std): MARK COSTIN ROSER ; ROSER MARK COSTIN**Inventor(s):** (std): MARK COSTIN ROSER ; ROSER MARK COSTIN**Agent(s):** PCT LAW GROUP PLLC; MILLIEN RAYMOND

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: ARTICLE OF FOOTWEAR WITH THONG PORTION INCLUDING GROOVES

Abstract: Source: US2011005102A [EN] An article of footwear with a thong portion is disclosed. The thong portion is configured to fit between two adjacent toes to help fasten a pair of straps to a foot. The thong portion includes a plurality of grooves that enhance the grip between the thong portion and a portion of the foot between the two adjacent toes. The plurality of grooves can also enhance the flexibility of the thong portion to help the thong portion conform to the contours of the foot.

Classifications:

International (IPC 8-9): A43B13/28 A43B23/00 A43B3/00 A43B3/10
A43B3/12 A43B7/26 (Advanced/Invention)

International (IPC 1-7): A43B3/10

CPC: A43B3/105 A43B3/126 A43B3/12

European: A43B3/10B1L

US: 36/11.5 36/11.500S 36/94 36/94P

Publication number	Publication date	Application number	Application date
AR077409 AA	20110824	AR2010P102514	20100712
AR092110 AB	20150325	AR2013P102865	20130813
AR092111 AB	20150325	AR2013P102867	20130813
BR112012000702 A2	20160216	BR20121100702	20100712
CN102497791 A	20120613	CN201080040552	20100712
CN102497791 B	20160224	CN201080040552	20100712
CN105455292 A	20160406	CN201610048524	20100712
CN105455292 B	20170901	CN201610048524	20100712
CN105661739 A	20160615	CN201610048871	20100712
DE602010035603 D1	20160922	DE201060035603T	20100712
EP2453770 A1	20120523	EP20100732821	20100712
EP2453770 B1	20160817	EP20100732821	20100712
EP3111790 A1	20170104	EP20160172775	20100712
EP3111791 A1	20170104	EP20160172778	20100712
JP2012532736 T2	20121220	JP20120520693T	20100712
JP5655073 B2	20150114	JP20120520693T	20100712
KR101362512 B1	20140213	KR20127003686	20100712
KR20120049260 A	20120516	KR20127003686	20100712
US2011005102 AA	20110113	US20090502090	20090713
US2013139405 AA	20130606	US20120681939	20121120
US2013185954 AA	20130725	US20120682029	20121120
US8336228 BB	20121225	US20090502090	20090713
US8516718 BB	20130827	US20120682029	20121120
US8528234 BB	20130910	US20120681939	20121120
WO11008667 A1	20110120	WO2010US41655	20100712

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WO2010US41655	20100712	US20120681939	20121120	US20120682029	20121120

Assignee(s): (std): LONSWAY ERIC ; NIKE INC ; NIKE INNOVATE CV ; NIKE INT LTD ; SIMSHAW THOMAS W ; NIKE INTERNATIONAL LTD ; O CONNOR KELLY A

Inventor(s): (std): ERIC LONSWAY ; KELLY A O CONNOR ; LONSWAY ERIC ; O CONNOR KELLY A ; SIMSHAW THOMAS W ; THOMAS W SIMSHAW

Agent(s): WEICKMANN AND WEICKMANN PATENTANWALTE RECHTSANWALT PARTMBB; LISK A HORST; WEICKMANN AND WEICKMANN PARTMBB; PLUMSEA LAW GROUP LLC; LEE MICHAEL S ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: DEVICE AND METHODS FOR TREATING A LOWER LIMB JOINT PATHOLOGY AND LOWER LIMB PAIN

Abstract: Source: US2013165834A [EN] A method of treating a patient suffering from pain in the lower limb or a lower limb musculoskeletal disease is provided. The method includes placement of at least two calibrated, differential disturbances or protuberances under the patient's feet.

Classifications:

International (ipc 8-9): A43B13/14 A43B7/00 A43B7/14 A61F2/60 A61F2/76 A61F5/00 A61F5/01 A61F5/052 A61F5/14 A61F5/32 C12N C12N1/15 C12N1/19 C12N1/21 C12N15/60 C12N15/63 C12N5/10 C12N9/88 C12S5/00 (Advanced/Invention)

International (ipc 1-7): A61F2/76 C12S5/00

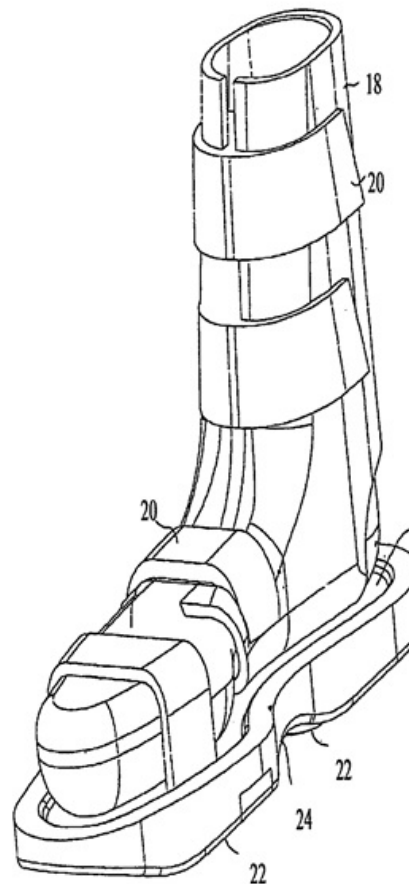
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A43B7/1445 A43B7/146 A43B13/145 A61F5/0111 A61F5/32

A61F2005/0169 A61F2005/0179 A61F5/14 A43B7/144

US: 602/28

PatBase - US2013165834_AA



Family:

Publication number	Publication date	Application number	Application date
AU2011272902 AA	20120105	AU20110272902	20110619
AU2011272902 BB	20170223	AU20110272902	20110619
BR112012033566 A2	20171205	BR20121133566	20110619
CA2804023 AA	20121227	CA20112804023	20110619
CN103347468 A	20131009	CN201180037785	20110619
CN103347468 B	20160224	CN201180037785	20110619
EP2588605 A2	20130508	EP20110800295	20110619
EP2588605 A4	20171227	EP20110800295	20110619
IL223986 A0	20130228	IL20110223986	20110619
IN11310DN2012 A	20141017	IN2012DN11310	20121228
JP2013539992 T2	20131031	JP20130517668T	20110619
JP5907570 B2	20160426	JP20130517668T	20110619
KR101750942 B1	20170626	KR20137000961	20110619
KR20140008283 A	20140121	KR20137000961	20110619
RU2013101537 A	20140810	RU20130101537	20110619
RU2628626 C2	20170821	RU20130101537	20110619
SG10201505176T A1	20150828	SG20151005176	20110619
SG186478 A1	20130228	SG20120096251	20110619
US2013165834 AA	20130627	US20110807149	20110619
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Priority:

US20100359643P 20100629 US20110807149 20110619 WO20111L00487 20110619

Probable Assignee: APOS MEDICAL AND SPORTS TECHNOLOGIES LTD

Assignee(s): (std): APOS MEDICAL AND SPORTS TECH LTD ; APOS MEDICAL AND SPORTS TECHNOLOGIES LTD ; APOS MEDIKAL END SPORTS TEKNOLODZHIS LTD ; ELBAZ AVI ; MOR AMIT

Assignee(s): PLENUS III 2 PARTNERSHIP LTD ; PLENUS III CI LP ; PLENUS III DCM PARTNERSHIP LTD ; PLENUS III PARTNERSHIP LTD ; PLENUS MANAGEMENT III 2007 LTD ; APOS - MEDICAL AND SPORTS TECHNOLOGIES

LTD.

Inventor(s): (std): MOR AMIT ; ELBAZ AVI ; ELBAS AVI

Inventor(s): AVI ELBAZ ; AMIT MOR

Agent(s): A J PARK; AJ PARK; COLLISON AND CO; FASKEN MARTINEAU DUMOULIN LLP; RENTSCH PARTNER AG; AXIS INTELLECTUAL CAPITAL PTE LTD; ROACH BROWN MCCARTHY AND GRUBER PC; KEVIN D; WEBB AND CO ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

34) Family number: 50439265 (US2013196829A)

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Title: DEVICE AND METHODS FOR TUNING A SKELETAL MUSCLE

Abstract: Source: US2013196829A [EN] A method of differentially tuning a lower limb muscle in a human in need thereof is provided. The method includes placement of at least two calibrated, differential disturbances or protuberances under the human's feet thereby tuning a lower limb muscle.

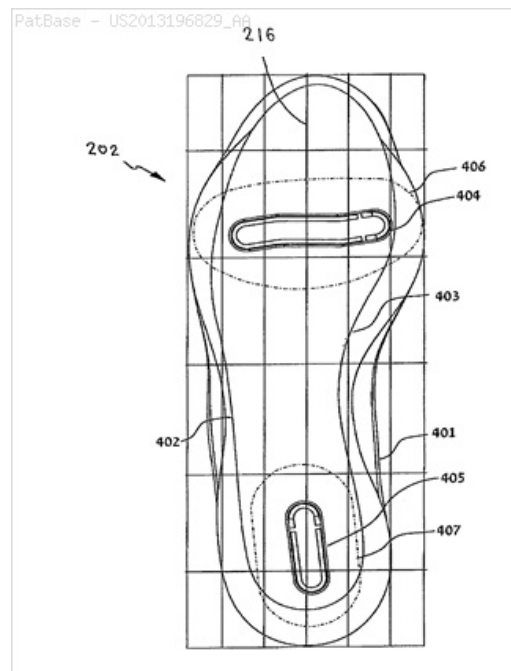
Classifications:

International (IPC 8-9): A43B13/14 A43B7/14 A61F A61F2/76 A61F5/14 A63B21/00 A63B22/18 A63B23/04 A63B26/00 (Advanced/Invention)

CPC: A63B21/14 A43B5/00 A43B7/00 A43B7/144 A43B7/1445 A43B13/143 A43B13/145 A61F3/00 A63B21/0004 A63B21/4015 A63B22/18 A63B23/04 A63B26/003 A63B2022/185 A63B2208/0204 A63B2225/09 A63B2225/093

European: A43B13/14W A43B5/00 A43B7/00 A61F3/00

US: 482/79



Family:

Publication number	Publication date	Application number	Application date
AU2011272909 AA	20120105	AU20110272909	20110627
AU2011272909 BB	20160929	AU20110272909	20110627
CA2804252 AA	20130102	CA20112804252	20110627
EP2588041 A1	20130508	EP20110800302	20110627
EP2588041 A4	20160601	EP20110800302	20110627
IL223987 A0	20130228	IL20110223987	20110627
JP2013534446 T2	20130905	JP20130517670T	20110627
JP5981427 B2	20160831	JP20130517670T	20110627
US2013196829 AA	20130801	US20110807948	20110627
WO12001685 A1	20120105	WO20111L00512	20110627

Priority:

US20100360940P 20100702 US20110807948 20110627 WO20111L00512 20110627

Probable Assignee: APOS MEDICAL AND SPORTS TECHNOLOGIES LTD

Assignee(s): (std): APOS AND NDASH ; APOS MEDICAL AND SPORTS TECH LTD ; APOS MEDICAL AND SPORTS TECHNOLOGIES LTD ; ELBAZ AVI ; MOR AMIT

Assignee(s): PLENUS III 2 PARTNERSHIP LTD ; PLENUS III CI LP ; PLENUS III DCM PARTNERSHIP LTD ; PLENUS III PARTNERSHIP LTD ; PLENUS MANAGEMENT III 2007 LTD ; APOS - MEDICAL AND SPORTS TECHNOLOGIES LTD.

Inventor(s): (std): MOR AMIT ; ELBAZ AVI

Agent(s): CHURCHILL ATTORNEYS; COLLISON AND CO; FASKEN MARTINEAU DUMOULIN LLP; RENTSCH PARTNER AG; WEBB AND CO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

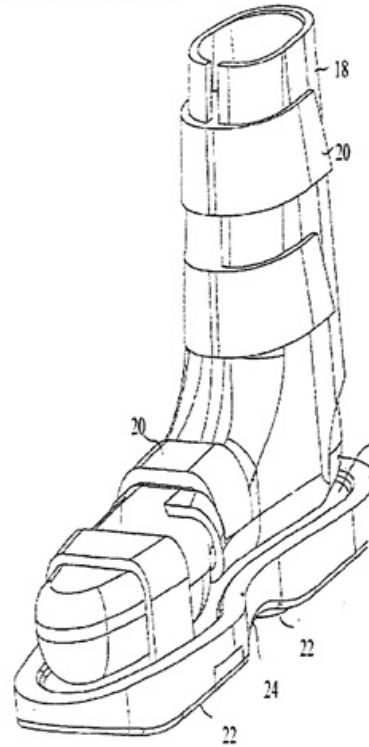
Title: METHOD FOR TREATING URINARY INCONTINENCE**Abstract:** Source: US2013116726A [EN] A method of treating urinary incontinence, uncontrolled urination, and frequent urination in a human in need thereof is provided. The method includes placement of at least two calibrated, differential disturbances or protuberances under the human's feet.**Classifications:****International (IPC 8-9):** A43B13/14 A43B3/16 A43B5/18 A43B7/00 A43B7/14 A61B17/00 A61F A61F2/76 A61F4/00 A61F5/37 A61H39/00 A61H39/04 A63B21/00 A63B22/18 A63B23/08 A63B23/20

A63B26/00 (Advanced/Invention);

A63B23/08 A63B23/20 (Advanced/Non-invention)

CPC: A61H39/04 A63B21/4015 A43B3/163 A43B7/144 A43B7/1445 A43B7/146 A43B7/147 A43B13/145 A63B21/0004 A63B22/18 A63B23/08 A63B23/20 A63B26/003 A63B2022/185 A63B2208/0204 A63B2209/10 A61F2/76**European:** A43B13/14W2 A43B7/00 A61H39/04 K61H201/16A20 K61H205/12R**US:** 1/1 606/204

PatBase - US2013116726_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2011281120 AA	20120126	AU20110281120	20110721
AU2011281120 BB	20160331	AU20110281120	20110721
CA2805712 AA	20130116	CA20112805712	20110721
EP2595579 A2	20130529	EP20110809375	20110721
EP2595579 A4	20140326	EP20110809375	20110721
IL224312 A0	20130228	IL20110224312	20110721
JP2013535257 T2	20130912	JP20130520286T	20110721
KR101819560 B1	20180117	KR20137001451	20110721
KR20130100960 A	20130912	KR20137001451	20110721
KR20180005747 A	20180116	KR20187000241	20110721
US2013116726 AA	20130509	US20110810498	20110721
US9271895 BB	20160301	US20110810498	20110721
WO12011109 A2	20120126	WO2011L00583	20110721
WO12011109 A3	20120412	WO2011L00583	20110721

Priority:

US20100366189P 20100721 US20110810498 20110721 WO2011L00583 20110721

Probable Assignee: APOS MEDICAL AND SPORTS TECHNOLOGIES LTD**Assignee(s):** (std): APOS MEDICAL AND SPORTS TECH LTD ; APOS MEDICAL AND SPORTS TECHNOLOGIES LTD ; ELBAZ AVI ; MOR AMIT**Assignee(s):** PLENUS III 2 PARTNERSHIP LTD ; PLENUS III CI LP ; PLENUS III DCM PARTNERSHIP LTD ; PLENUS III PARTNERSHIP LTD ; PLENUS MANAGEMENT III 2007 LTD**Inventor(s):** (std): ELBAZ AVI ; MOR AMIT**Agent(s):** CHURCHILL ATTORNEYS; COLLISON AND CO; FASKEN MARTINEAU DUMOULIN LLP; KOSSAK SABINE; ROACH BROWN MCCARTHY AND GRUBER PC; KEVIN D; WEBB CYNTHIA ET AL**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: HIGH-HEELED SHOE

Abstract: Source: US2014196319A [EN] A high-heeled shoe having a sole and a heel of at least 4 cm height provided thereto, wherein the heel is provided with a damping means. The damping means comprises at least one damping element. The damping element has different effective damping cross sections along the heel's longitudinal axis and/or is freely deformable in at least one direction perpendicular to the heel's longitudinal axis.

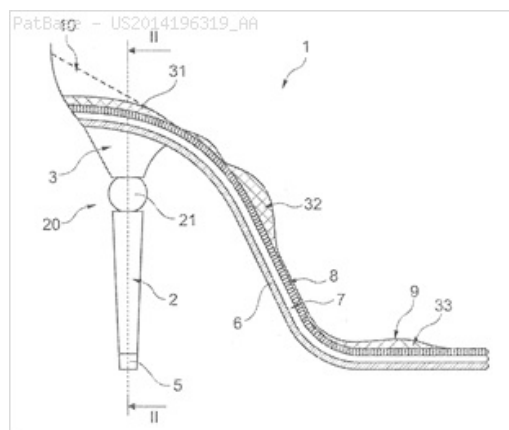
Classifications:

International (IPC 8-9): A43B13/18 A43B13/28 A43B13/34 A43B21/00 A43B21/24 A43B21/26 A43B21/30 A43B3/10 A43B7/14 (Advanced/Invention)

CPC: A43B21/26 A43B21/00 A43B21/30 A43B7/144 A43B7/1445 A43B7/145 A43B13/189 A43B21/265

European: A43B13/18G A43B21/26 A43B21/26G A43B7/14A20H A43B7/14A20M A43B7/14A20P

US: 36/105

**Family:**

Publication number	Publication date	Application number	Application date
■ CN103547179 A	20140129	CN201280018987	20120418
■ CN103547179 B	20170510	CN201280018987	20120418
■ DE102011007623 A1	20121018	DE201110007623	20110418
■ EP2543271 A1	20130109	EP20110173737	20110713
■ EP2699121 A1	20140226	EP20120721783	20120418
■ EP2699121 B1	20180307	EP20120721783	20120418
■ US2014196319 AA	20140717	US20120112875	20120418
■ US9578924 BB	20170228	US20120112875	20120418
■ WO12143406 A1	20121026	WO2012EP57096	20120418
■ WO12143406 A4	20121213	WO2012EP57096	20120418

Priority:

DE201110007623 20110418 EP20110173737 20110713 WO2012EP57096 20120418
EP20120721783 20120418

Probable Assignee: RUPPRECHT GABRIELA

Assignee(s): (std): RUPPRECHT GABRIELA

Assignee(s): RUPPRECHT

Inventor(s): (std): RUPPRECHT GABRIELA

Inventor(s): ANTRAG AUF NICHTNENNUNG

Agent(s): Vossius &, Partner; VOSSIUS AND PARTNER; VOSSIUS AND PARTNER PATENTANWALTE RECHTSANWALTE MBB; SEAGER TUFTE AND WICKHEIM LLP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: DEVICE AND METHODS FO TREATING NEUROLOGICAL DISORDERS

Abstract: Source: US2015119767A [EN] Provided are methods of treating or improving neurological conditions and/or outcomes thereof in a subject afflicted with a neurological condition. The methods include placement of a device comprising at least two calibrated, differential disturbances or protuberances under the subject's foot.

Classifications:

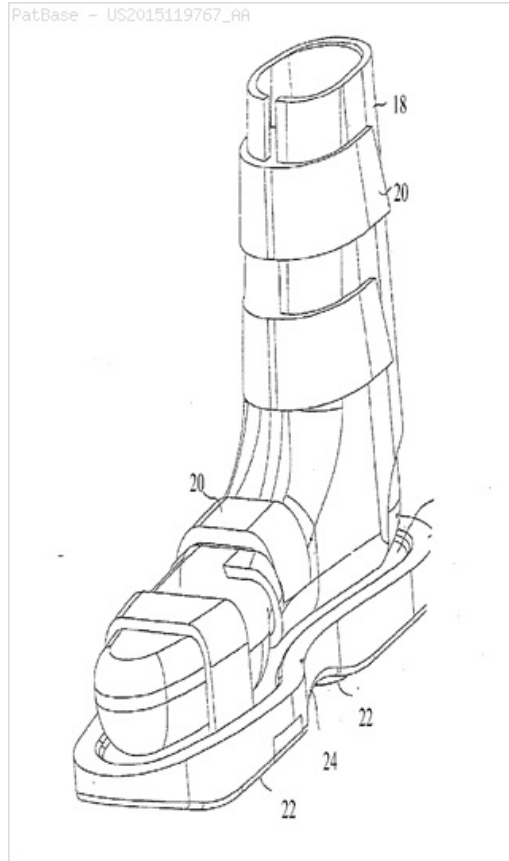
International (IPC 8-9): A43B A43B13/00 A43B13/14 A43B7/00 A43B7/14 A43B7/38 A47B7/00 A61F5/01 A61F5/02 A61H3/00 A63B23/10 (Advanced/Invention);

A61F5/14 (Advanced/Non-invention);

A43B (Subclass/Invention)

CPC: A61H3/00 A61F5/14 A43B7/144 A43B7/1445 A43B7/147 A43B13/145 A43B7/14 A43B13/14 A61F5/01 A63B23/10

US: 601/28

**Family:**

Publication number	Publication date	Application number	Application date
AU2012348505 AA	20130613	AU20120348505	20121210
AU2012348505 BB	20161006	AU20120348505	20121210
BR112014013843 A2	20170704	BR20141113843	20121210
CA2858534 AA	20140606	CA20122858534	20121210
CN104203026 A	20141210	CN201280068959	20121210
CN104203026 B	20170412	CN201280068959	20121210
EP2787852 A1	20141015	EP20120855655	20121210
EP2787852 A4	20150812	EP20120855655	20121210
HK1204245 A1	20151113	HK20150104956	20150526
IL233140 A0	20140731	IL20120233140	20121210
IN04781DN2014 A	20150220	IN2014DN04781	20140612
JP2015506728 T2	20150305	JP20140545444T	20121210
KR20150001713 A	20150106	KR20147018874	20121210
RU2014125155 A	20160127	RU20140125155	20121210
RU2630613 C2	20170911	RU20140125155	20121210
SG10201604638U A1	20160728	SG20161004638	20121210
SG11201403023W A1	20140730	SG20141103023	20121210
US2015119767 AA	20150430	US20120363506	20121210
US9693927 BB	20170704	US20120363506	20121210
WO13084212 A1	20130613	WO2012IB57124	20121210

Priority:

US20110568200P 20111208 US20120363506 20121210 WO2012IB57124 20121210

Probable Assignee: APOS MEDICAL AND SPORTS TECHNOLOGIES LTD

Assignee(s): (std): APOS MEDIKAL END SPORTS TEKNOLODZHIS LTD ; MOR AMIT ; ELBAZ AVI ; APOS MEDICAL AND SPORTS TECH LTD ; APOS MEDICAL AND SPORTS TECHNOLOGIES LTD ; ELB Z VI ; POS MEDICAL AND SPORTS TECHNOLOGIES LTD

Assignee(s): PLENUS MANAGEMENT III 2007 LTD ; APOS MEDICAL AND SPORTS TECHNOLOGIES LTD1 ABBA EVEN STREETP.O.BOX 1221646733HERZLIYAIL ; MOR AMIT9 SMILANSKI STREET76446REHOVOTIL ; ELBAZ AVI11 HAPISGA STREET86170DIMONAIL

Inventor(s): (std): AMIT MOR ; AVI ELBAZ ; ELBAS AVI ; ELBAZ AVI ; ELBAZ AVI A ; MOR AMIT ; MOR AMIT A

Inventor(s): MOR AMIT9 SMILANSKI STREET76446REHOVOTIL ; ELBAZ AVI11 HAPISGA STREET86170DIMONAIL

Agent(s): AJ PARK; COLLISON AND CO; RICHES MCKENZIE AND HERBERT LLP; HOCKING ADRIAN NIALI; AXIS INTELLECTUAL CAPITAL PTE LTD; ROACH BROWN MCCARTHY AND GRUBER PC; KEVIN D; S FRIEDMAN AND CO ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: METHODS FOR TREATING SPINE PATHOLOGIES

Abstract: Source: US2014309692A [EN] A method of treating spine pathologies and related outcomes in a subject in need thereof is provided. The method includes placement of at least two calibrated, differential disturbances or protuberances under the subject's feet.

Classifications:

International (IPC 8-9): A43B A43B13/00 A43B13/14 A43B7/00 A43B7/14 A43B7/38 A61F5/01 A61H1/00 A61H39/04 A63B21/00

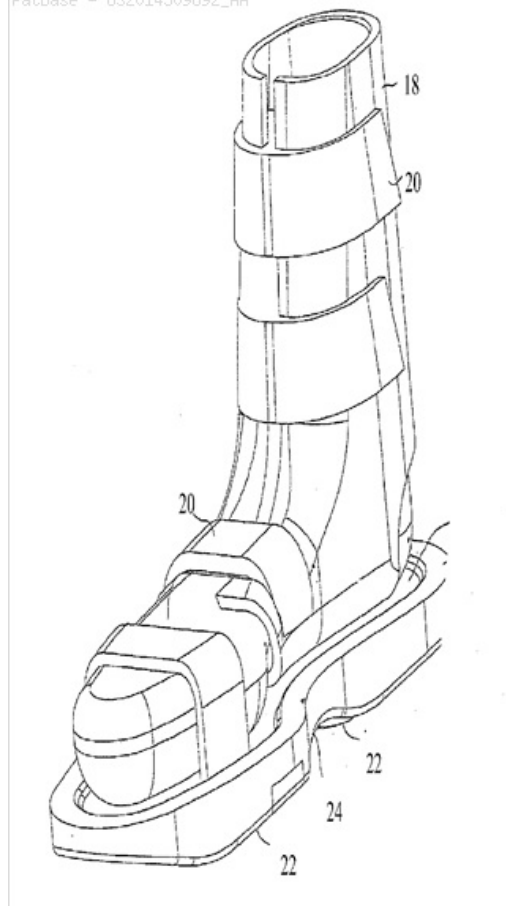
A63B22/18 A63B26/00 (Advanced/Invention);
A63B23/08 A63B23/20 (Advanced/Non-invention);

A43B (Subclass/Invention)

CPC: A61H1/008 A43B7/144 A43B7/1445 A43B13/145 A61H39/04 A61H2201/165 A61H2205/125 A63B21/0004 A63B21/4015 A63B22/18 A63B23/08 A63B23/20 A63B26/003 A63B2022/185 A63B2208/0204 A63B2209/10 A43B7/00 A43B7/38

US: 1/1 606/237

PatBase - US2014309692_AA



Family:

Publication number	Publication date	Application number	Application date
AU2012348506 AA	20130613	AU20120348506	20121210
AU2012348506 BB	20170112	AU20120348506	20121210
BR112014013847 A2	20170704	BR20141113847	20121210
CA2858536 AA	20140606	CA20122858536	20121210
CN104203027 A	20141210	CN201280069154	20121210
CN104203027 B	20170308	CN201280069154	20121210
EP2787853 A1	20141015	EP20120818593	20121210
HK1204244 A1	20151113	HK20150104955	20150526
IL233017 A0	20140731	IL20120233017	20121210
IN04782DN2014 A	20150220	IN2014DN04782	20140612
JP2015508295 T2	20150319	JP20140545445T	20121210
JP6199306 B2	20170920	JP20140545445T	20121210
KR20150001714 A	20150106	KR20147018875	20121210
RU2014125154 A	20160127	RU20140125154	20121210
RU2635972 C2	20171117	RU20140125154	20121210
SG10201700913P A1	20170427	SG20171000913	20121210
SG11201403025Y A1	20140730	SG20141103025	20121210
US2014309692 AA	20141016	US20120363414	20121210
US9445965 BB	20160920	US20120363414	20121210
WO13084213 A1	20130613	WO20121B57129	20121210

Priority:

US20110568211P 20111208 US20120363414 20121210 WO20121B57129 20121210

Probable Assignee: APOS MEDICAL AND SPORTS TECHNOLOGIES LTD

Assignee(s): (std): APOS MEDIKAL END SPORTS TEKNOLODZHIS LTD ; MOR AMIT ; ELBAZ AVI ; APOS MEDICAL AND SPORTS TECH LTD ; APOS MEDICAL AND SPORTS TECHNOLOGIES LTD ; ELB Z VI ; POS MEDICAL AND SPORTS TECHNOLOGIES LTD

Assignee(s): APOS MEDICAL AND SPORTS TECHNOLOGIES LTD1 ABBA EVEN STREETP.O.BOX 1221646733HERZLIYAIL ; MOR AMIT9 SMILANSKI STREET76446REHOVOTIL ; ELBAZ AVI11 HAPISGA STREET86170DIMONAIL

Inventor(s): (std): AMIT MOR ; AVI ELBAZ ; ELBAS AVI ; ELBAZ AVI ; ELBAZ AVI A ; MOR AMIT ; MOR AMIT A

Inventor(s): MOR AMIT9 SMILANSKI STREET76446REHOVOTIL ; ELBAZ AVI11 HAPISGA STREET86170DIMONAIL

Agent(s): AJ PARK; COLLISON AND CO; RICHES MCKENZIE AND HERBERT LLP; HOCKING ADRIAN NIALI; PATENTIKA; AXIS INTELLECTUAL CAPITAL PTE LTD; ROACH BROWN MCCARTHY AND GRUBER PC; KEVIN D; S FRIEDMAN AND CO ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

39) Family number: 54280749 (US2013178344A)

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Title: METHODS FOR ADJUSTING STIFFNESS AND FLEXIBILITY IN DEVICES, APPARATUS AND EQUIPMENT

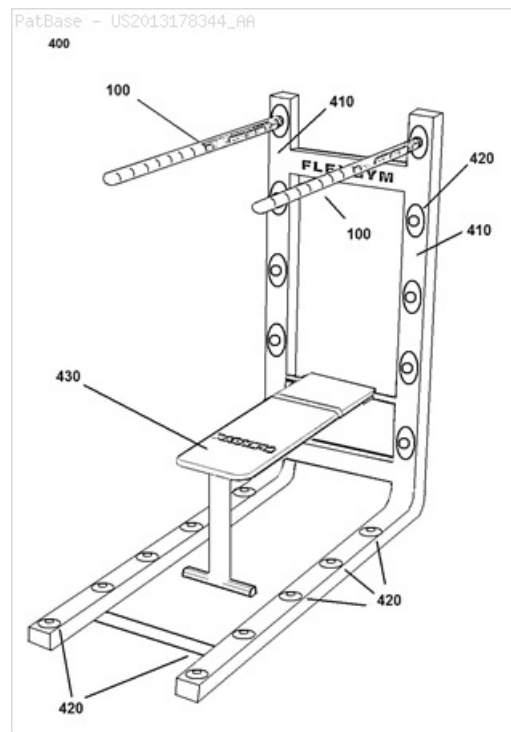
Abstract: Source: US2013178344A [EN] A resilient rod that provides adjustable directional resistance is disclosed. In one aspect of the invention, a resistance level may be determined based on a thickness of the rod and a position of an applied force with respect to a fulcrum point. In another aspect of the invention, at least one spine may be attached to the beam to increase a diameter of the beam along one axis. A resistance level may be determined based on a thickness of the rod, a position of an applied force and an orientation of the at least one spine with regard to the direction of the applied force. In other aspects of the invention, the resilient rods may be incorporated into various equipment that provide for adjustable resistance levels. In still other aspects of the invention, the resilient rod may be incorporated into medical devices that provide adjustable support for injured limbs or joints.

Classifications:

International (IPC 8-9): A43B13/38 A43B3/00 A43B5/00 A43B7/14 A43B7/32 A61F5/01 A63B21/00 A63B21/02 A63B23/12 A63B49/02 A63B53/10 F41H1/02 (Advanced/Invention); A61H3/00 A63B102/18 A63B102/24 A63B59/20 A63B59/50 A63B71/02 A63B71/06 A63B71/12 (Advanced/Non-invention)

CPC: A61F5/0125 A61F2005/0139 A01D7/06 A01K87/00 A63C5/07 A63C2203/20 A61F5/0123 A61F2005/0169 A61H3/00 A61H2201/1238 A61H2201/165 A63B49/02 A63B53/10 A63B59/20 A63B59/50 A63B2071/125 A63B2102/18 A63B2102/24 F41H1/02 A63B59/70 A43B13/386 A43B3/0005 A43B7/142 A43B7/1465 A43B7/32 A43B5/00 A43B7/14 A43B13/38 A43B7/1455 A61F5/0111 A63B6/02 A63B21/00072 A63B21/0442 A63B21/16 A63B21/4023 A63B21/4035 A63B21/4037 A63B22/0056 A63B22/0605 A63B22/0664 A63B23/03525 A63B69/0093 A63B69/16 A63B69/18 A63B69/36 A63B71/023 A63B2071/027 A63B2071/0694 A63B2102/02 A63B2102/22 A63B2209/02 A63B2210/50 A63B2220/24 A63B2220/40 A63B2220/52 A63B2220/53 A63B2225/20 A63B2225/50 A63B2225/54 A63B22/0012 A63B23/0405 A63B69/06 A61B5/4528 A61B5/6812 A61B2505/09 A61B2562/0219 A61B2562/0261 A61B5/486 A63B21/026 A63B5/06 A63B21/00069 A63B21/00185 A63B24/0062 A63B71/0622 A63B2220/50 A63B2225/096 A63B2225/15 B33Y80/00 A61B5/1038 A61B5/6807 A63B60/42 A63B60/50 A61F7/00 A63B21/169 A63B21/4043 A63B22/04 A63B23/03541 A63B2225/09 A63B2225/093 A63B21/0004 A63B22/02 A63B21/4029 A63B23/03508 A63B23/1209 A63B21/078 A63B21/4034 A63B2220/56

US: 482/122 602/16



Family:

Publication number	Publication date	Application number	Application date
US2013178344 AA	20130711	US20120622331	20120918
US2015057587 AA	20150226	US20140490416	20140918
US9603416 BA	20170328	US20140543870	20141117
US9609911 BA	20170404	US20140543883	20141117
US9610188 BB	20170404	US20140490416	20140918
US9737747 BA	20170822	US20150961874	20151207

Priority:

US20120585315P 20120111 US20120622331 20120918 US20130880147P 20130919
US20130905688P 20131118 US20140986007P 20140429 US20140490416 20140918
US20140543870 20141117 US20140543883 20141117 US20150961874 20151207

Probable Assignee: ALLIANCE DESIGN AND DEVELOPMENT GROUP INC

Assignee(s): (std): ALLIANCE DESIGN AND DEV GROUP INC ; CORRIGAN WILLIAM ; TARLTON PETER B ; WALSH ROBERT

Assignee(s): ALLIANCE DESIGN AND DEVELOPMENT GROUP INC

Inventor(s): (std): CORRIGAN WILLIAM ; TARLTON PETER B ; WALSH ROBERT

Agent(s): LAW OFFICE OF CARL GIORDANO PC; LAW OFFICE OF CARL A GIORDANO; LAW OFFICE OF CARL GIORDANO

Title: SHOE

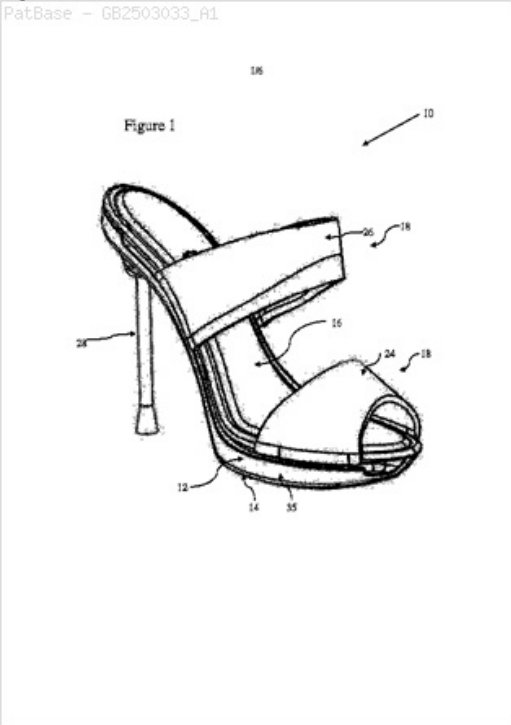
Abstract: Source: GB201210689A [EN] A shoe 10 comprises a midsole 12, an outsole 14 and an insole 16. An upper 18 is attached to a plurality of fasteners 20 which are adapted to slide along a first and second internal track (38, 40, figure 3) extending through the midsole 12. A releasable locking means releasably locks the fasteners 20 in selectable positions along each track. Opening means (42, 44, figure 3) allows for the inserting and removing of fasteners 20 from each track.

Classifications:

International (IPC 8-9): A43B3/24 (Advanced/Invention)

CPC: A43B3/122 A43B3/244 A43B3/242

PatBase - GB2503033_A1



Family:

Publication number	Publication date	Application number	Application date
GB201210689 A0	20120801	GB20120010689	20120615
GB2503033 A1	20131218	GB20120010689	20120615

Priority:

GB20120010689 20120615

Probable Assignee: C AND C LIFESTYLE LTD
Assignee(s): (std): C AND C LIFESTYLE LTD
Assignee(s): C and C LIFESTYLE LIMITED
Inventor(s): (std): WINKLER CATHERINE
Inventor(s): CATHERINE WINKLER

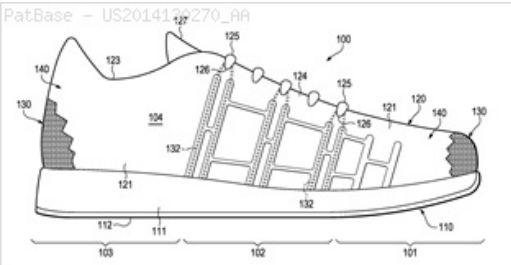
Title: ARTICLE OF FOOTWEAR INCORPORATING A KNITTED COMPONENT

Abstract: Source: US2014130270A [EN] An article of footwear has an upper and a sole structure secured to the upper. The upper includes a knitted component and, in some configurations, a skin layer secured to the knitted component. The knitted component may have a plurality of protruding areas that extend outward and away from a void within the upper for receiving a foot of a wearer. The protruding areas may include one or both of (a) a first tubular structure and an inlaid strand extending through the first tubular structure and (b) a second tubular structure and yarn sections extending across the second tubular structure.

Classifications:

International (IPC 8-9): A43B1/00 A43B1/02 A43B1/04 A43B13/28 A43B23/00 A43B23/02 A43B23/04 A43B23/07 A43B23/08 A43B23/26 A43B5/00 A43B5/06 A43B7/12 A43B7/20 A43C11/00 A43C11/20 A43C7/02 A43D21/00 A43D8/00 B29C65/02 D04B1/12 D04B1/22 (Advanced/Invention); A43B A43C (Subclass/Invention)
CPC: A43D8/00 A43B23/0205 A43B23/0255 A43B5/06 A43B23/0235 A43B23/026 A43B23/0275 A43B23/088 A43B23/0245 B29C65/02 D04B1/22 D10B2501/043 A43C11/20 D04B1/123 D10B2403/0243 D10B2403/032 A43B1/00 A43B23/0225 A43B7/12 A43B23/00 A43B1/04 A43B7/20 A43B23/07 A43B23/26 A43B23/02 A43B23/08
US: 1/1 12/142R 12/146C 156/308.2 36/45 36/50.1 36/83 36/84 36/9R

PatBase - US2014130270_AA



Family:

Publication number	Publication date	Application number	Application date
AR093484 AA	20150610	AR2013P104189	20131114
AR093485 AA	20150610	AR2013P104190	20131114
AR093486 AA	20150610	AR2013P104191	20131114
AR093487 AA	20150610	AR2013P104192	20131114
AR093488 AA	20150610	AR2013P104193	20131114
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BR112014032696 A2	20170627	BR20141132696	20131107
BR112015000760 A2	20170627	BR20151100760	20131107
CN104411196 A	20150311	CN201380036355	20131107
CN104411196 B	20170308	CN201380036355	20131107
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HK1205438 A1	20151218	HK20150106073	20150625
HK1205439 A1	20151218	HK20150106075	20150625
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HK1209986 A1	20160415	HK20150110801	20151102
HK1214099 A1	20160722	HK20160102105	20160224
IN07996CN2014 A	20160701	IN2014CN07996	20141031
IN08002CN2014 A	20160701	IN2014CN08002	20141031
IN08005CN2014 A	20160701	IN2014CN08005	20141031
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IN08012CN2014 A	20160701	IN2014CN08012	20141031
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KR20150005610 A	20150114	KR20147031620	20131107
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US2014130270 AA	20140515	US20130944675	20130717
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US2014130374 AA	20140515	US20130944689	20130717
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US2014130376 AA	20140515	US20130013402	20130829
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US2015040431 AA	20150212	US20140522265	20141023
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US9095187 BB	20150804	US20140273605	20140509
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US9538804 BB	20170110	US20140499758	20140929
US9622536 BB	20170418	US20140522265	20141023
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WO14078152 A3	20140522	WO2013US68839	20131107
WO14078158 A3	20140710	WO2013US68839	20131107
WO14078159 A2	20140522	WO2013US68841	20131107
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WO14078160 A2	20140522	WO2013US68843	20131107
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WO14078161 A3	20140807	WO2013US68845	20131107

Priority:

US20120727010P	20121115	US20130944675	20130717	US20130944638	20130717
US20130944689	20130717	US20130944717	20130717	US20130013402	20130829
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US20140273605	20140509	US20140499758	20140929	US20140522265	20141023

Probable Assignee: NIKE INC

Assignee(s): (std): BAINES SIMON JOHN ; BAUDOUIN ALEXANDER ; BAUDOUIN ALEXANDRE ; FAHMI WINDRA ; NIKE INC ; NIKE INT LTD ; MOLYNEUX JAMES ; MINAMI TETSUYA T ; NIKE INNOVATE C V ; NIKE INC FOR U S A AND NIKE INNOVATE C V FOR ALL OTHER TERRITORIES ; NIKE INNOVATE CV ; SEAMARKS KARL ; WOODMAN PHIL ; WILKEN DOUG D ; PODHAJNY DANIEL A ; TORAYA ERIN ; SHAFFER BENJAMIN A

Assignee(s): NIKE INC FOR USA AND NIKE INNOVATE CV FOR ALL OTHER TERRITORIES

Inventor(s): (std): ALEXANDER BAUDOUIN ; ALEXANDRE BAUDOUIN ; BAINES SIMON J ; BAINES SIMON JOHN ; BAUDOUIN ALEXANDER ; BAUDOUIN ALEXANDRE ; BENJAMIN A SHAFFER ; DANIEL A PODHAJNY ; DOUG D WILKEN ; ERIN TORAYA ; FAHMI WINDRA ; JAMES MOLYNEUX ; KARL SEAMARKS ; MINAMI TETSUYA T ; MOLYNEUX JAMES ; PHIL WOODMAN ; PODHAJNY DANIEL A ; PODHAJNY DANIEL A A ; SEAMARKS KARL ; SHAFFER BENJAMIN A ; SIMON JOHN BAINES ; TETSUYA T MINAMI ; TORAYA ERIN ; TORAYA ERIN E ; WILKEN DOUG D ; WINDRA FAHMI ; WOODMAN PHIL ; WILKEN DOUG D D ; SHAFFER BENJAMIN A A ; MOLYNEUX JAMES J ; MINAMI TETSUYA T TT

Agent(s): PRINZ AND PARTNER MBB; PLUMSEA LAW GROUP LLC; BRINKS GILSON AND LIONE; GIBSON ERIC M ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

42) Family number: 57224496 (US2014230276A)

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Title: ARTICLE OF FOOTWEAR INCORPORATING A CHAMBER SYSTEM AND METHODS FOR MANUFACTURING THE CHAMBER SYSTEM

Abstract: Source: US2014230276A [EN] An article of footwear has an upper and a sole structure secured to the upper. The sole structure may include a component with a flange extending in an outward direction from a void within a chamber of the component. A sole may also include a chamber formed from a polymer material and including a plurality of subchambers, each of the subchambers having at least one segment with a width that is less than fourteen millimeters. A sole may further include a chamber having areas with different thicknesses, and an outsole bonded to areas with a lesser thickness.

Classifications:

International (IPC 8-9): A43B1/00 A43B13/04 A43B13/12 A43B13/14

A43B13/16 A43B13/18 A43B13/20 A43B13/22 A43B13/38 A43B7/32

A43D63/00 B29D35/00 B29D35/12 B29D35/14

B32B3/14 (Advanced/Invention)

CPC: A43B13/22 A43B1/0072 A43B13/206 B29C51/267 B29C51/006

B29C51/10 B29C51/12 B29C51/32 B29L2031/504 B29D35/148

B29D35/14 A43B13/125 B32B3/14 B32B2250/02 A43B13/186 A43B13/04

A43B13/188 A43B13/203 A43B13/189 A43B13/141 A43B13/38

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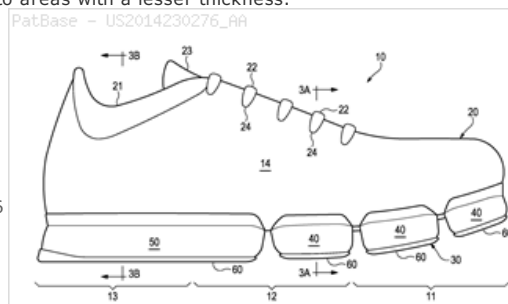
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A43B13/16 B29D35/128 B29D35/142 B32B1/00 B32B3/26 B32B7/045

B32B27/08 B32B27/36 B32B27/40 B32B2437/02 Y10T428/24802

US: 1/1 12/142T 12/146B 264/250 264/454 36/103 36/28 36/29 36/84

425/506 428/195.1



Family:

Publication number	Publication date	Application number	Application date
CN105008119 A	20151028	CN201480010015	20140220
CN105008119 B	20180119	CN201480010015	20140220
CN107404971 A	20171128	CN201680014575	20160223
CN107404973 A	20171128	CN201680014715	20160224
CN107529850 A	20180102	CN201680015964	20160302
EP2958740 A1	20151230	EP20140715720	20140220
EP3250073 A1	20171206	EP20160706783	20160223
EP3267827 A1	20180117	EP20160710540	20160224
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KR101845028 B1	20180404	KR20157025843	20140220
KR20150122192 A	20151030	KR20157025843	20140220
KR20170125956 A	20171115	KR20177028695	20160302
KR20180035939 A	20180406	KR20187008877	20140220
TW201641268 A	20161201	TW20160107254	20160309
TW201642772 A	20161216	TW20160107253	20160309

TW201811546 A	20180401	TW20180102195	20160309
TWI616148 B	20180301	TW20160107253	20160309
TWI617433 B	20180311	TW20160107254	20160309
US2014230276 AA	20140821	US20130773360	20130221
US2015257481 AA	20150917	US20150725701	20150529
US2015272271 AA	20151001	US20150641789	20150309
US2015273778 AA	20151001	US20150641881	20150309
US2016192737 AA	20160707	US20160070082	20160315
US2017042286 AA	20170216	US20160051161	20160223
US2017055636 AA	20170302	US20160348450	20161110
US2017340059 AA	20171130	US20170676661	20170814
US9420848 BB	20160823	US20130773360	20130221
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US9750307 BB	20170905	US20150641789	20150309
US9894959 BB	20180220	US20160051161	20160223
WO14130626 A1	20140828	WO2014US17310	20140220
WO16144531 A1	20160915	WO2016US19119	20160223
WO16144538 A1	20160915	WO2016US19306	20160224
WO16144648 A1	20160915	WO2016US20459	20160302
WO16144648 A8	20161110	WO2016US20459	20160302
WO16144649 A1	20160915	WO2016US20490	20160302
WO17160730 A1	20170921	WO2017US22116	20170313

Priority:

US20090630642	20091203	US20120563458	20120731	US20130773360	20130221
WO2014US17310	20140220	US20150641789	20150309	US20150641881	20150309
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Probable Assignee: NIKE INC

Assignee(s): (std): CAMPOS FIDENCIO ; CAMPOS FIDENCIO II ; ELDER ZACHARY M ; MONFILS BENJAMIN J ; NIKE INC ; PEYTON LEE D ; NIKE INTERNATIONAL LTD ; NIKE INNOVATE CV

Assignee(s): NIKE INNOVATE C V

Inventor(s): (std): CAMPOS FIDENCIO ; CAMPOS FIDENCIO II ; CAMPOS II FIDENCIO ; DOJAN FREDERICK J ; ELDER ZACHARY M ; FLISS ERIC L ; HEINZMAN SAMUEL ; LINDNER TROY C ; MESCHTER JAMES C ; MONFILS BENJAMIN J ; MOTEBOG MELANIE N ; PATTON LEVI J ; PEYTON LEE D ; SCHINDLER ERIC S ; TAYLOR DANIELLE L ; THOMPSON DOLORES S ; WORKMAN BRANDON H

Inventor(s): J MONFILS,BENJAMIN J. ; D PEYTON,LEE D.

Agent(s): TOMBLING ADRIAN GEORGE; MUELLER BORE AND PARTNER PATENTANWALTE PARTG MBB; MATTHEW H; JONATHAN P; HONIGMAN MILLER SCHWARTZ AND COHN LLP; QUINN LAW GROUP PLLC; QUINN IP LAW; HONG PATRICIA E ET AL; MCCARTHY JEAN M; FISHER WILLIAM J ET AL; MCCARTHY JEAN M ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

43) Family number: 57223234 (US2014230125A)

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Title: URINATION RELIEF HATCH FOR WATERPROOF WADERS AND FOUL WEATHER GEAR

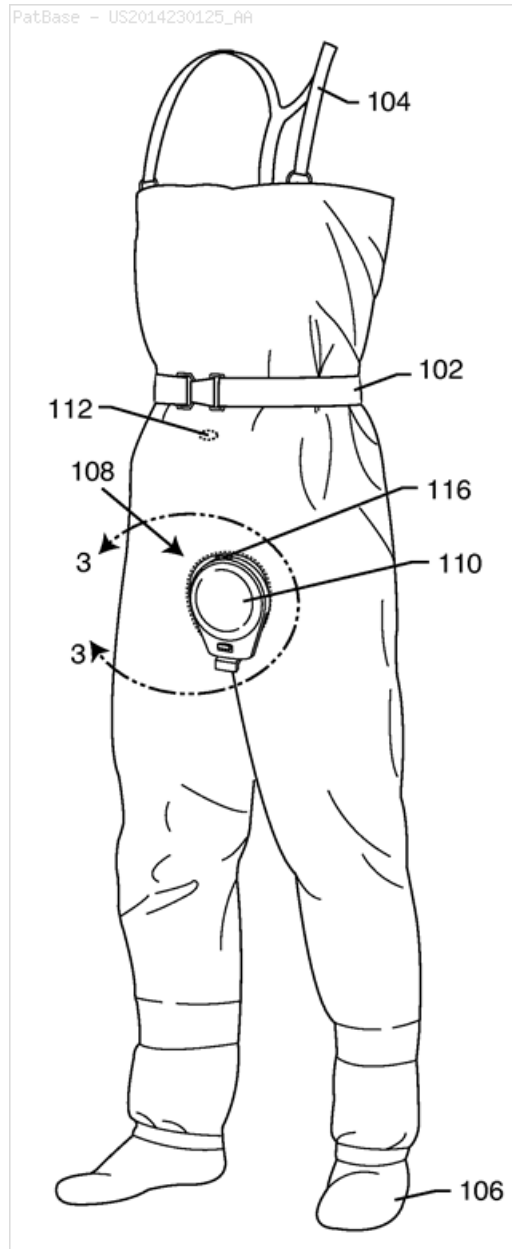
Abstract: Source: US2014230125A [EN] An improved fishing or hunting wader, exposure suit or foul weather pants/bib incorporates a novel waterproof connectable hatch to provide access for urination. The low profile and lightweight waterproof hatch is centered over the groin area and allows the wearer of a fishing wader, or similar foul weather gear pants, to be able to quickly open the hatch and urinate without removing the cumbersome garment. A hinged or connectable lid may swing upwards and downwards and features a hook-and-loop fastener, a magnetic, or mechanical fastener so that the lid is held up in place and out of the way. After urination, the lid may conveniently snap back into place against a seal or O-ring thereby forming a water tight seal.

Classifications:

International (IPC 8-9): A41B9/02 A41D1/00 A41D1/06 A41D1/08
A41D13/012 A41D13/02 A41D27/00 A43B7/12 (Advanced/Invention);
A41D1/06 (Advanced/Non-invention)

CPC: A41D2600/106 A41D2600/108 A41D1/08 A41D13/02 A41D2600/202
A41B9/026 A41D1/065 A41D13/012 A41D2300/30 A41D27/00

US: 1/1 2/227 2/79 2/82

**Family:**

Publication number	Publication date	Application number	Application date
US2014230125 AA	20140821	US20140182295	20140218
US2015230523 AA	20150820	US20140542591	20141115
US2016073702 AA	20160317	US20150948378	20151122
US2016295930 AA	20161013	US20160184119	20160616
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US9380814 BB	20160705	US20150948378	20151122
US9532609 BB	20170103	US20160184119	20160616
US9775385 BB	20171003	US20140542591	20141115
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WO17087966 A1	20170526	WO2016US63159	20161121

Priority:

US20130766089P	20130218	US20140182295	20140218	US20140542591	20141115
US20150948378	20151122	US20160184119	20160616	US20160355580	20161118
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Probable Assignee: LOPEZ ANTHONY ISMAEL**Assignee(s):** (std): LOPEZ ANTHONY ISMAEL ; STEVENSON ROBERT A ; STEVENSON WENDY L**Inventor(s):** (std): LOPEZ ANTHONY ISMAEL ; STEVENSON WENDY L ; STEVENSON ROBERT A**Agent(s):** MARTINO PATENT LAW; HACKLER DAGHIGHIAN AND MARTINO; HACKLER DAGHIGHIAN MARTINO AND NOVAK; MARTINO MARC G**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL

44) Family number: 57424547 (US2014263294A)

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Title: CUSTOMIZED MICROWAVE ENERGY DISTRIBUTION UTILIZING SLOTTED CAGE

Abstract: Source: US2014263294A [EN] Aspects of the present invention relate to systems and methods for customizing microwave energy distribution within a chamber to accommodate various load characteristics. Aspects of the present invention customized configurations of ports, deflectors, waveguides, conducting rods, and slots to shape and distribute energy.

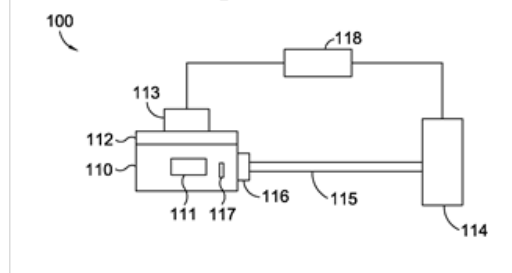
Classifications:

International (IPC 8-9): A43B9/12 A43D25/20 B29C35/00 B29C35/08 B29C65/00 B29C65/14 H01Q13/20 H01Q13/22 H01Q13/28 H05B6/64 H05B6/70 H05B6/78 H05B6/80 (Advanced/Invention); B29L31/50 (Advanced/Non-invention)

CPC: H05B6/70 A43B9/12 A43D25/20 B29C35/0805 B29C65/1425 B29C66/1122 B29C66/45 B29C66/71 B29C2035/0855 B29L2031/504 H05B6/708 H05B6/78 H05B6/80 B29K2023/083 B29K2021/00

US: 219/756

PatBase - US2014263294_HH



Family:

Publication number	Publication date	Application number	Application date
DE602014021277 D1	20180322	DE201460021277T	20140312
EP2973859 A1	20160120	EP20140768973	20140312
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Priority:

US20130841674 20130315 EP20140768973 20140312 WO2014US24387 20140312

Probable Assignee: NIKE INC

Assignee(s): (std): NIKE INC ; NIKE INNOVATE C V ; NIKE INNOVATE CV

Assignee(s): NIKE INNOVATE CV BEAVERTON

Inventor(s): (std): FATHI ZAKARYAE ; HEINECK DAVID

Inventor(s): HEINECK DAVID BEAVERTON ; FATHI ZAKARYAE BEAVERTON

Agent(s): TOMBLING ADRIAN GEORGE; SHOOK HARDY AND BACON LLP; FISHER CORY W

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

45) Family number: 57465600 (WO14146278A1)

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Title: FOOTWEAR CONDUCTIVE LOOP AND FOOTWEAR THEREOF

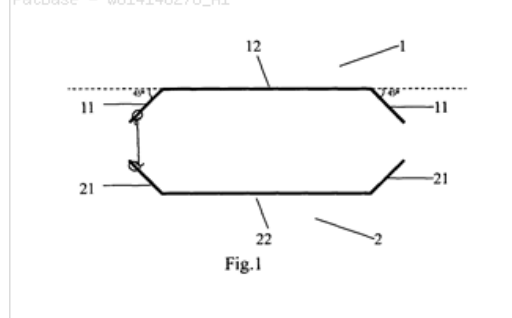
Abstract: A unique footwear conductive loop comprises at least one upper footwear conductive loop formed by one upper conductive wire and at least one lower footwear conductive loop formed by one lower conductive wire. The upper conductive wire contacts the bottom of a person's foot and the lower conductive wire contacts the floor. The upper footwear conductive loop is electrically connected to the lower footwear conductive loop for draining static charges from the person to the floor. The unique footwear conductive loop achieves a simple, easy-to-make, highly durable and a low cost means to convert ordinary footwear to precisely controlled body-to-ground electrical resistance footwear for use in a cleanroom or non-cleanroom high technology manufacturing environment.

Classifications:

International (IPC 8-9): A43B7/36 (Advanced/Invention); A43B7/36 (Core/Invention)

CPC: A43B7/36

PatBase - WO14146278_A1



Family:

Publication number	Publication date	Application number	Application date
■ CN104349692 A	20150211	CN201380027648	20130321
■ CN104349692 B	20160120	CN201380027648	20130321
■ IN09171DN2015 A	20160205	IN2015DN09171	20151006
■ TH168618 A	20171005	TH20151005711	20130321
■ TW201446169 A	20141216	TW20140110627	20140321
■ TWI589242 B	20170701	TW20140110627	20140321
■ WO14146278 A1	20140925	WO2013CN73001	20130321

Priority:

WO2013CN073001 20130321 WO2013CN73001 20130321

Probable Assignee: ESD TECHNOLOGY CONSULTING AND LICENSING CO LTD

Assignee(s): (std): ESD TECHNOLOGY CONSULTING AND LICENSING CO LTD ; ESD TECHNOLOGY CONSULTING AND LICENSING SHENZHEN CO LTD

Assignee(s): ESD TECHNOLOGY CONSULTING AND LICENSING CO ; ESD TECHNOLOGY CONSULTING AND LICENSING SHENZHEN CO

Inventor(s): (std): KOW KEK HING ; GAO GUOXING

Agent(s): SHENZHEN STANDARD PATENT AND TRADEMARK AGENT LTD

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

46) Family number: 58128374 (US2014377488A)

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Title: PATTERNED PLEXUS OF FILAMENTS, METHOD OF PRODUCING AND ARTICLES CONTAINING PATTERNED FILAMENTS

Abstract: Source: US2014377488A [EN] Disclosed herein is a plexus of filaments which is composed of groups of filaments, whose filament members are linked together, in a repetitious pattern, and whose filaments may be interlaced or linked to bisecting groups of filaments, creating a patterned plexus whose filament members generally follow spiraling paths, while linking with neighboring filaments, creating a group, or interlaced groups, of tension distributive filaments within a plexus of filaments; said plexus exhibiting greater conformal and constrictive qualities in comparison to the prior art. Also disclosed is a method of producing filament structures for a variety of uses including composite structures with tension displacement properties, and sporting goods requiring conformal load distribution with minimal weight; such as, running shoes.

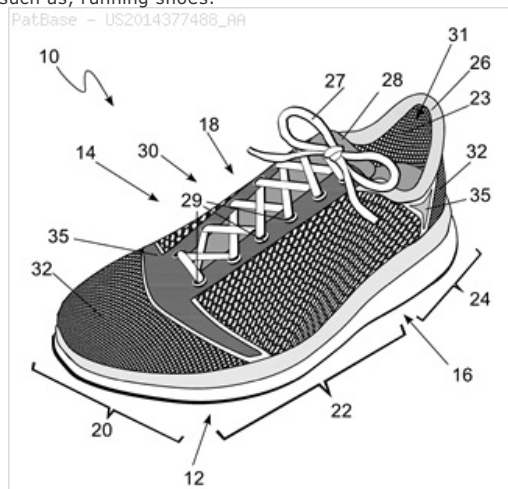
Classifications:

International (IPC 8-9): A43B13/02 A43D8/00

D04H1/00 (Advanced/Invention)

CPC: Y10T428/1362 A43B1/04 A43B23/042 D04C1/10 D10B2501/043 Y10T428/249921

US: 12/142R 28/140 428/221 428/36.1



Family:

Publication number	Publication date	Application number	Application date
■ US2014377488 AA	20141225	US20130061210	20131023

Priority:

US20130825614P 20130521 US20130830589P 20130603 US20130061210 20131023

Probable Assignee: JAMISON BRADFORD C

Assignee(s): (std): JAMISON BRADFORD C

Inventor(s): (std): JAMISON BRADFORD C

47) Family number: 65832932 (AR101068A)

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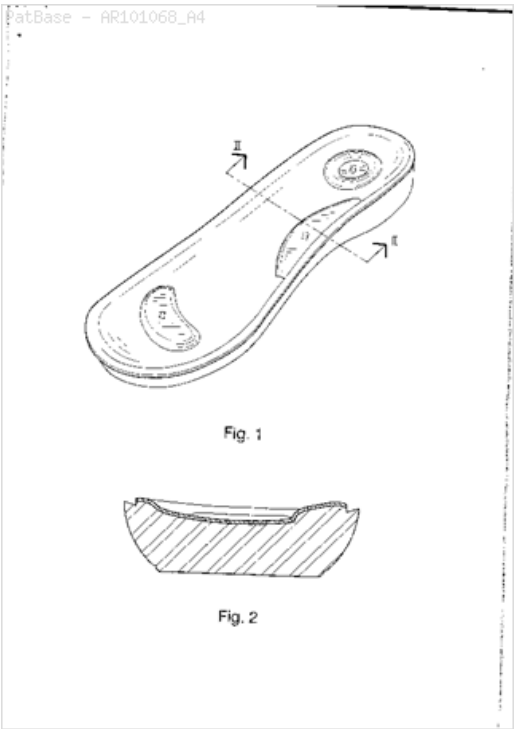
Title: PLANTILLA ANATOMICA PARA CALZADO Anatomica Template for Footwear (Machine translation)

Abstract: Source: AR101068A [ES] Trata el presente una plantilla anatomica para calzado siendo su particularidad principal, la distribucion y conformacion de tres puntos de especial y particular conformacion que proveen un mayor Confort al usuario en su uso diario dado su particular formato y ubicacion ya que al presionar determinados Centros nerviosos plantares durante su

natural traslacion, proporcionan en forma alternativa, un efecto de masoterapia al usuario. **Machine translation:** Treats the present a Anatomica template for footwear being its main peculiarity, the distribution and conformation of three points of special and particular conformation that provide greater comfort to the user in their daily use given their particular format and location since by pressing certain plantar nervous centers during their natural translations, they provide alternatively, a massage effect to the user.

Classifications:

International (IPC 8-9): A43B17/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
AR101068 A4	20161123	AR2015M100808U	20150318

Priority:

AR2015M100808U 20150318

Probable Assignee: MATVIYCHUK OLEKSANDR

Assignee(s): (std): MATVIYCHUK OLEKSANDR ; TCHAPOVSKI DANIL

48) Family number: 64382931 (WO16199150A1)

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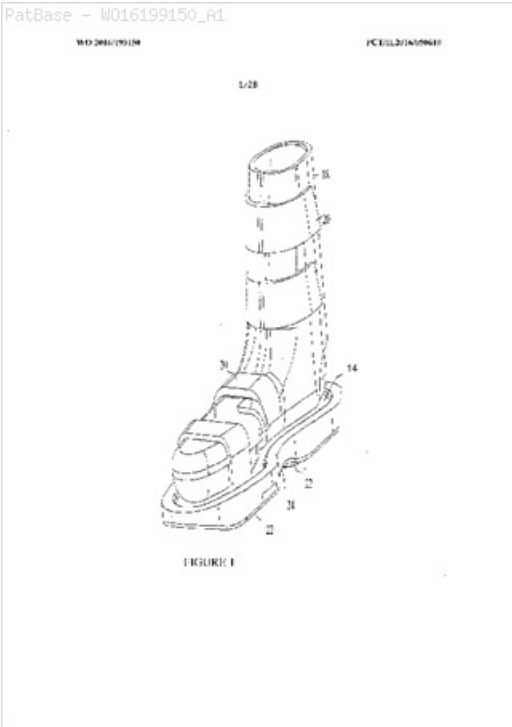
Title: MODULAR FOOTWEAR PROTUBERANCE ASSEMBLY

Abstract: A footwear device comprising: a sole assembly comprising at least one connective element; at least one protuberance assembly comprising a base and a cap, said base and cap configured to rotatively align; a locking fixture configured to lock and unlock said alignment of said base and cap; and a fastening fixture configured to fasten said base to said track in a selected position in said track.

Classifications:

International (IPC 8-9): A43B13/14 A61H3/00 (Advanced/Invention)

CPC: A43B13/14 A61H3/00 A61B5/112 A61H1/024 A61H1/0266 A61H23/02 A61H2201/164 A61H2201/165 A61H2205/12 A43B7/00 A43B13/145



Family:

Publication number	Publication date	Application number	Application date
WO16199150 A1	20161215	WO20161L50610	20160609

Priority:

US20150174111P 20150611

Probable Assignee: APOS MEDICAL AND SPORTS TECH LTD

Assignee(s): (std): APOS MEDICAL AND SPORTS TECH LTD

Assignee(s): APOS MEDICAL AND SPORTS TECHNOLOGIES LTD

Inventor(s): (std): ELBAZ AVI ; MOR AMIT

Agent(s): GEYRA ASSAF ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

49) Family number: 64975318 (US2017049183A) © PatBase

Title: ARTICLE OF FOOTWEAR INCLUDING SOLE COMPONENT PROVIDING LATERAL ROLL CONTROL STRUCTURE

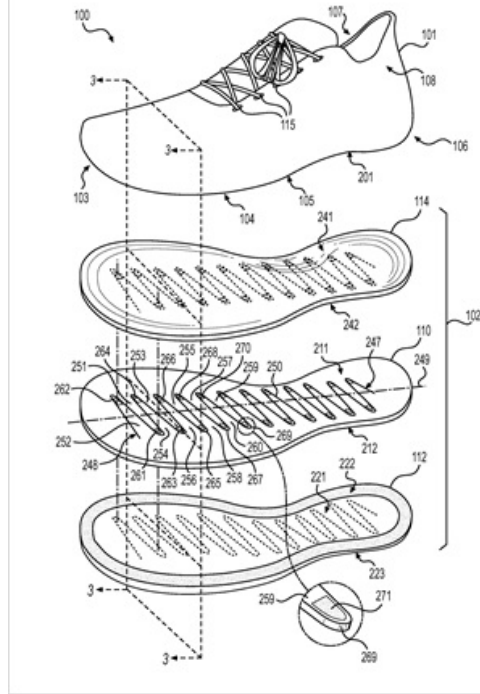
Abstract: Source: US2017049183A [EN] An article of footwear includes a sole structure providing lateral roll control structure. The sole structure includes a sole component having a continuous slit located in a central region of the sole component and progressing in a longitudinal direction of the sole component. The slit forms a laterally extending portion(s) that extends from a medial side of the sole component to a lateral side of the sole structure, a distal end of the laterally extending portion being attached to an opposing surface of an adjacent component, and a medially extending portion(s) that extends from a lateral side of the sole component to a medial side of the sole structure, a distal end of the medially extending portion being attached to the opposing surface of the adjacent component, the laterally extending portion(s) and the medially extending portion(s) alternating in a longitudinal direction of the sole component.

Classifications:

International (IPC 8-9): A43B13/12 A43B13/14 (Advanced/Invention)

CPC: A43B13/14 A43B13/12

US: 36/30R

**Family:**

Publication number	Publication date	Application number	Application date
■ US2017049183 AA	20170223	US20150827833	20150817
■ US9924763 BB	20180327	US20150827833	20150817

Priority:

US20150827833 20150817

Probable Assignee:

NIKE INC

Assignee(s): (std):

NIKE INC

Inventor(s): (std):

FOXEN THOMAS

Agent(s):

BANNER AND WITCOFF LTD

50) Family number: 65964822 (US2017156427A)

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Title: TUNNEL SPRING STRUCTURES

Abstract: Source: US2017156427A [EN] A tunnel spring structure three-dimensionally printed on a base layer. The tunnel spring structure includes three tubular structures and two connecting portions. A connecting portion is disposed between two tubular structures. A tensile strand extends through the tubular structures. Tension applied to the tensile strand forces the tubular structures to adjoin due to the flexibility of the connection portions.

Classifications:**International (IPC 8-9):** A41D27/00 A41F1/00 A43B13/18 A43B13/22

A43B23/00 A43B23/02 A43B23/24 A43B3/26 A43B7/14 A43C1/00

A43C1/04 A43C1/06 A43C11/14 A43C11/16 A43C5/00 A43C7/00

A43D1/02 A43D8/22 B29C67/00 B29D35/12 B29L31/00 B29L31/50

B33Y10/00 B33Y40/00 B33Y50/02 B33Y80/00 B41J3/407

C11D1/22 (Advanced/Invention);

A43B23/02 A43C1/00 B29L31/00 B29L31/50 B33Y80/00 (Advanced/Non-invention)

CPC: A43C1/06 B33Y50/02 B29K2101/12 A43B23/0245 A43B3/26

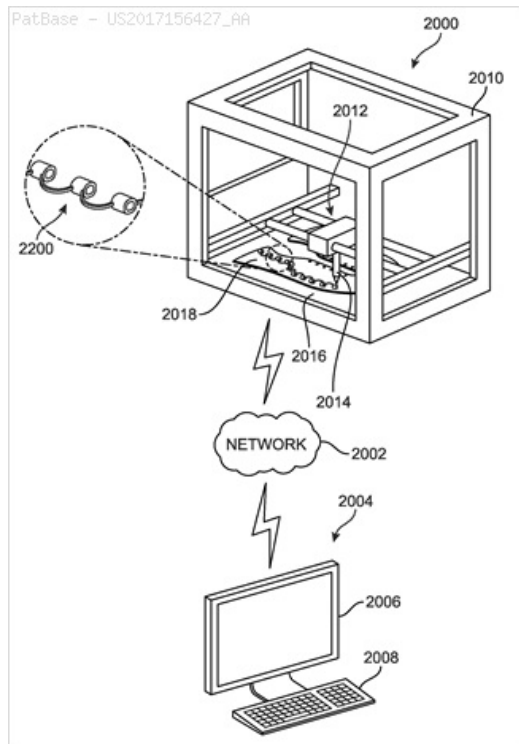
A43B13/22 A43B13/181 A43D1/02 A43C5/00 A43D8/22 A41D27/00

B29L2031/727 B41J3/4078 B29D35/12 A43B23/00 A43B23/02 A43C1/04

A43C7/00 B29K2995/0082 B29L2031/505 A43B23/24 A43C1/04

A43C11/16 B29C67/0059 A41F1/00 B29C64/00 B29C64/106 B29C64/112

B29C64/30 B33Y10/00 B33Y80/00



Family:

Publication number	Publication date	Application number	Application date
US2017156427 AA	20170608	US20160370913	20161206
US2017156444 AA	20170608	US20160370934	20161206
US2017156445 AA	20170608	US20160370976	20161206
US2017156447 AA	20170608	US20160370893	20161206
US2017157846 AA	20170608	US20160370957	20161206
WO17100197 A1	20170615	WO2016US65172	20161206
WO17100202 A2	20170615	WO2016US65181	20161206
WO17100202 A3	20170727	WO2016US65181	20161206
WO17100204 A1	20170615	WO2016US65184	20161206
WO17100205 A1	20170615	WO2016US65185	20161206
WO17100207 A2	20170615	WO2016US65187	20161206
WO17100207 A3	20170921	WO2016US65187	20161206

Priority:

US20150263834P	20151207	US20150263891P	20151207	US20150263916P	20151207
US20150263923P	20151207	US20150263898P	20151207	US20160370893	20161206
US20160370913	20161206	US20160370934	20161206	US20160370976	20161206
US20160370957	20161206				

Probable Assignee: NIKE INC

Assignee(s): (std): NIKE INC ; NIKE INNOVATE CV ; NIKE INNOVATE C V

Assignee(s): NIKE INNOVATE CV

Inventor(s): (std): GUEST STEFAN E ; HOLMES MATTHEW J ; STERMAN YOAV ; MILLER TODD W

Agent(s): LAUER DEAKIN T

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

51) Family number: 67144883 (MX2016000438A)

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Title: ERGONOMIC BALLET TIPS AND MANUFACTURING METHOD.

Abstract: The present disclosure is related to a manufacturing method for ergonomic ballet tips through the 3D ergonomic design to produce optimized ballet tips for each person. To achieve the above, the person's feet are scanned with a 3D camera in the flat and pointed form and sent over the Internet; the scan data is stored in a database, to later design the box and the soul ergonomic prototypes for of each foot; and once the above is done, is time to design the ergonomic ballet tips prototypes for each foot. Finally, they are printed on a 3D printer. 1) Soul box for each foot in one piece; 2) ballet tips for each foot. In the first case, the printing is made on a paper pattern, the fabric cut of each piece, the ballet tips are made by gluing and sewing the fabric on the outside surface of the box and the soul and also on the inside; finally, the neckline is sewn.

Classifications:

International (IPC 8-9): A43B5/12 B32B1/04 (Advanced/Invention);
A43B15/00 (Core/Invention)

1/9

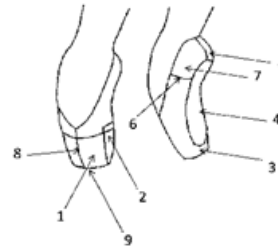


Figura 1

Family:

Publication number	Publication date	Application number	Application date
■ MX2016000438 A1	20170712	MX20160000438	20160113

Priority:

MX20160000438 20160113

Probable Assignee:

OLGA GROMAKOVA

Assignee(s): (std):

OLGA GROMAKOVA

Inventor(s): (std):

OLGA GROMAKOVA