

1) Family number: 28118361 (US2001001904 AA)

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Title: FLEX SOLE

Abstract: A shoe designed for active wear is described having a distinctive outsole. The outsole has a peripheral wall delimiting a plantar region, a heel region and an arch region of the outsole. A cavity formed in the plantar region has a shape including a floor and an inner periphery defined by a plurality of ribs that form a structure with a series of combs articulating with the peripheral wall of the outsole. A cushioning pad is located within the cavity and molded-in-place to the inner periphery and the floor of the cavity to form an integral functional part of the outsole.

Classifications:

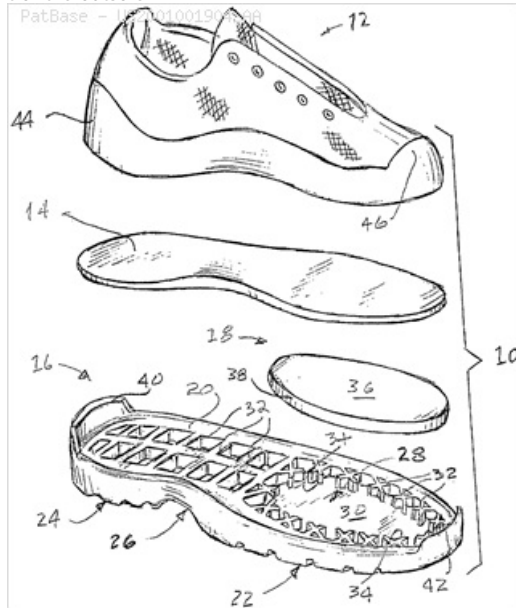
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International (IPC 1-7): A43B1/318 A43B13/00 A43B13/02

A43B13/12 A43B13/14 A43B13/18 A43B7/32 B29D31/50 H05B6/00

CPC: A43B1/0009 A43B13/186 A43B13/188 B29D35/081

US: 36/103 36/103P 36/28 36/28P 36/30.00RS 36/30R 36/31 36/31S 36/32R 36/30 36/3



Family:

Publication number	Publication date	Application number	Application date
AU199962921 A1	20010122	AU19990062921	19991005
AU199962921 A5	20010122	AU19990062921	19991005
AU200015971 A1	20010122	AU20000015971	19991007
AU200015971 A5	20010122	AU20000015971	19991007
AU2001236611 AA	20010814	AU20010236611	20010201
CA2283104 AA	20010102	CA19992283104	19990923
CA2398480 AA	20020723	CA20012398480	20010201
CN1419424 A	20030521	CN19998016748	19991005
CN1423591 A	20030611	CN20018004503	20010201
TW581665 B	20040401	TW20000113134	20000928
US6408544 BA	20020625	US19990347051	19990702
US2001001904 AA	20010531	US19990373122	19990812
US6367172 BB	20020409	US19990373122	19990812
US6564476 BA	20030520	US20000496922	20000202
US2002166262 AA	20021114	US20020136572	20020429
WO0101805 A1	20010111	WO1999US23249	19991005
WO0101806 A1	20010111	WO1999US24026	19991007
WO0156774 A1	20010809	WO2001US03303	20010201

Priority:

US19990347051 19990702	US19990373122 19990812	CA19992283104 19990923
WO1999US23249 19991005	WO1999US24026 19991007	US20000497299 20000202
US20000496922 20000202	WO2001US03303 20010201	US20020136572 20020429

Probable Assignee: BBC INT LLC

Assignee(s): (std): BBC INT LTD ; BBC INTERNAT LTD ; BBC INTERNATIONAL LTD ; HERNANDEZ HOMAR

Assignee(s): BBC INT ; BBC INT LLC ; BLUE TORCH FINANCE LLC COLLATERAL AGENT AS ; CITICORP NORTH AMERICA INC ; CLINCH LLC ; COLLECTIVE BRANDS FINANCE INC ; COLLECTIVE BRANDS FINANCE INC N K A PAYLESS FINANCE INC ; COLLECTIVE BRANDS FRANCHISING SERVICES LLC ; COLLECTIVE BRANDS INC ; COLLECTIVE BRANDS INC N K A PAYLESS INC ; COLLECTIVE BRANDS LLC ; COLLECTIVE BRANDS SERVICES INC ; COLLECTIVE LICENSING INT LLC ; COLLECTIVE LICENSING LP ; CORTLAND PRODUCTS CORP ; CORTLAND PRODUCTS CORP SUCCESSOR AGENT AS ; DYELIGHTS INC ; EASTBOROUGH INC ; HERNANDEZ HOMAR ; KEDS CORP ; MORGAN STANLEY SENIOR FUNDING INC ; MORGAN STANLEY SENIOR FUNDING INC A NATIONAL BANKI ; MORGAN STANLEY SENIOR FUNDING INC A NATIONAL BANKING ASSOCIATION ; PAYLEE SHOESOURCE INC ; PAYLESS COLLECTIVE GP LLC ; PAYLESS CUSTOMER SERVICE SOLUTION LLC ; PAYLESS FINANCE INC ; PAYLESS FINANCE INC FKA COLLECTIVE BRANDS FINANCE INC ; PAYLESS GOLD VALUE CO INC ; PAYLESS GOLD VALUE CO INC FKA PAYLESS GOLD VALUE WY INC ; PAYLESS GOLD VALUE LLC ; PAYLESS GOLD VALUE WY INC ; PAYLESS GOLD VALUE WY INC N K A PAYLESS GOLD VALUE CO INC ; PAYLESS INC ; PAYLESS INC FKA COLLECTIVE BRANDS INC ; PAYLESS INT FRANCHISING LLC ;

PAYLESS NYC INC ; PAYLESS PURCHASING SERVICES INC ; PAYLESS SHOESOURCE CANADA GP INC ; PAYLESS SHOESOURCE CANADA INC ; PAYLESS SHOESOURCE CANADA LP ; PAYLESS SHOESOURCE DISTRIBUTION INC ; PAYLESS SHOESOURCE INC ; PAYLESS SHOESOURCE LEASING LLC ; PAYLESS SHOESOURCE MERCHANDISING INC ; PAYLESS SHOESOURCE OF PUERTO RICO INC ; PAYLESS SHOESOURCE WORLDWIDE INC ; PAYLESS SHOESOURCE WORLDWIDE LLC ; PSS CANADA INC ; PSS DELAWARE CO 2 INC ; PSS DELAWARE CO 4 INC ; SAN JOSE ACQUISITION CORP ; SAUCONY INC ; SHOE SOURCING INC ; SPERRY TOP SIDER INC ; SR HOLDINGS INC ; SRL INC ; WBG PSS HOLDINGS LLC ; WELLS FARGO BANK NATIONAL ASSOCIATION ; WELLS FARGO RETAIL FINANCE LLC AGENT AS ; WELLS FARGO RETAIL FINANCE LLC AS AGENT

Inventor(s): (std): HERNADEZ HOMAR ; HERNANDEZ HOMAR

Inventor(s): HOMAR HERNADEZ ; HOMAR HERNANDEZ

Agent(s): AVENTUM IP LAW LLP; DARBY AND DARBY; GOUDREAU GAGE DUBUC; SHAPIRO COHEN

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 CR CU CY CZ DE DK DM 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

2) Family number: 34034686 (US2006288611 AA)

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Title: SUSPENDED ORTHOTIC SHOE AND METHODS OF MAKING SAME

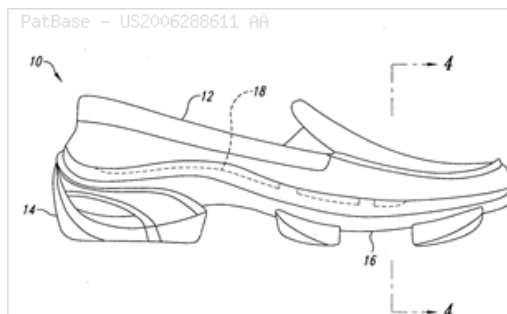
Abstract: A shoe provides a suspended orthotic system that includes at least a contoured, three-dimensional chassis configured with a heel cup. The chassis provides the primary support and determines the shape and form of the shoe. The chassis receives a footbed, which includes a first material integrally formed with a second material, both materials operating to provide an orthotic benefit. A shoe sole includes a number of pods that are selectively arranged and coupled to the chassis to actively suspend the chassis and the footbed. The shoe can further include a dynamic arch support system that manually or automatically adjusts the arch region of the shoe. The shoe may be more comfortable, provide biomechanical advantages, be lighter, and be more stylish than traditional shoes.

Classifications:

International (IPC 8-9): A43B13/00 A43B13/14 A43B13/16 A43B13/18 A43B13/16 A43B17/00 A43B7/14 A43B7/18 A43B7/22 A43B7/24 A43B7/32 A61F5/14

CPC: A43B13/16 A43B7/18

US: 36/102 36/103 36/107 36/114 36/140 36/25.00R 36/25R 36/28 36/88



Family:

Publication number	Publication date	Application number	Application date
AU2006262000 AA	20070104	AU20060262000	20060623
CA2620384 AA	20071227	CA20062620384	20060623
CN101257815 A	20080903	CN200680031179	20060623
EP1895866 A2	20080312	EP20060785461	20060623
JP2008543526 T2	20081204	JP20080519427T	20060623
MX2008000050 A1	20080404	MX20080000050	20060623
US2006288611 AA	20061228	US20050167916	20050627
US7694437 BB	20100413	US20050167916	20050627
US2008127521 AA	20080605	US20070924950	20071026
WO07002440 A2	20070104	WO2006US24538	20060623
WO07002440 A3	20070208	WO2006US24538	20060623

Priority:

US20050167916 20050627 WO2006US24538 20060623 US20070924950 20071026

Probable Assignee: PSB SHOE GROUP LLC

Assignee(s): (std): HOGAN PATRICK J ; PATRICK HOGAN ; PSB SHOE GROUP LLC

Inventor(s): (std): HOGAN PATRICK J ; PSB SHOE GROUP LLC

Inventor(s): HOGAN PATRICK ; PATRICK J HOGAN

Agent(s): BLACK LOWE AND GRAHAM PLLC; DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; SIM AND MCBURNEY; WALLIS HELEN FRANCES MARY ET AL

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 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 SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZW ZM

3) Family number: 30786543 (US2004159018 AA)

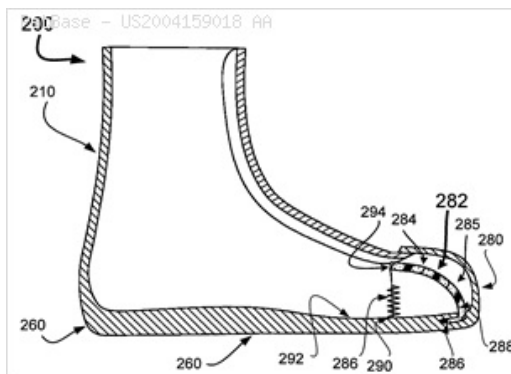
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Title: APPARATUS, SYSTEM, AND METHOD FOR ENGAGING TOES IN FOOTWEAR

Abstract: Apparatuses, a system, and a method for engaging a wearer's toes within an interior of a footwear item are provided. A panel is configured to extend at least partially across a toebox of the interior of the footwear item. An attachment mechanism is configured to position the panel in the interior of the footwear item so that the panel is positioned inside the toebox to engage an edge of at least one of the wearer's toes. The panel includes a flexible or stretchable material such as neoprene. The attachment mechanism includes at least one of stitching, adhesive bonding, and thermal welding. The attachment mechanism joins the panel to the interior of the footwear item at a plurality of points along at least one of a lower edge of the panel and side edges of the panel, such as by joining the panel to an insole.

Classifications:

International (IPC 8-9): A43B23/00 A43B23/07 A43B23/08 A43B5/04 A43B5/16 A43B7/14 A43B7/20 A43C11/00 A43C11/14 A43C11/20 A63C1/40
International (IPC 1-7): A43B17/00 A43B23/08 A43B23/26 A43B3/10 A43B5/04 A43B7/14 A43C11/00 A63C A63C1/40
CPC: A43B1/0072 A43B23/07 A43B23/086 A43B23/087 A43B5/04 A43B5/0427 A43B5/1625 A43B7/20 A43C11/1493 A43B5/049 A43B5/16
US: 280/11.12 280/11.27 36/1 36/10 36/115 36/115P 36/115S 36/50.1 36/50.5 36/501 36/54 36/55 36/58.5 36/58.6 36/71 36/72R 36/770R 36/77R 36/88 36/89 36/89P 36/94 36/96



Family:

Publication number	Publication date	Application number	Application date
EP1626634 A2	20060222	EP20040705710	20040127
EP1626783 A2	20060222	EP20040705711	20040127
US2004181973 AA	20040923	US20030729820	20031205
US7062867 BB	20060620	US20030729820	20031205
US2004159018 AA	20040819	US20030729855	20031205
US6954997 BB	20051018	US20030729855	20031205
US2004168357 AA	20040902	US20030729879	20031205
US7219900 BB	20070522	US20030729879	20031205
US2007186448 AA	20070816	US20070737606	20070419
WO04069349 A2	20040819	WO2004US02292	20040127
WO04069349 A3	20050630	WO2004US02292	20040127
WO04069351 A2	20040819	WO2004US02381	20040127
WO04069351 A3	20051215	WO2004US02381	20040127
WO04068985 A2	20040819	WO2004US02382	20040127
WO04068985 A3	20050804	WO2004US02382	20040127

Priority:

US20030443449P 20030128 US20030729855 20031205 US20030729879 20031205
US20030729820 20031205 WO2004US02382 20040127 WO2004US02381 20040127
US20070737606 20070419

Probable Assignee: KOR HOCKEY LTD

Assignee(s): (std): KOR HOCKEY LTD ; MEIBOCK ANTONIN A

Inventor(s): (std): MEIBOCK ANTONIN A

Inventor(s): ANTONIN A MEIBOCK ; MEIBOCK ANTONIN

Agent(s): BLACK LOWE AND GRAHAM; BLACK LOWE AND GRAHAM PLLC; DARREN J; JONES DARREN J

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

4) Family number: 57136088 (US2014215729 AA)

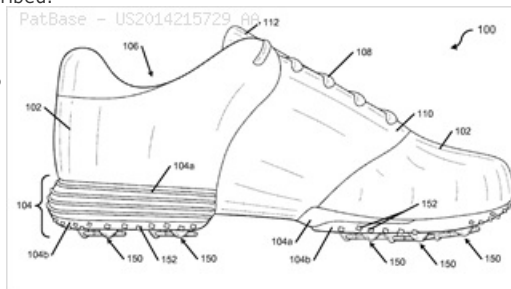
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Title: CLEATS, CLEATED SOLE STRUCTURES, MOLDS, AND MOLDING METHODS FOR IN-MOLDING ARTICLES

Abstract: Cleat structures, e.g., for golf shoes, may include a flat and flexible interior surface and/or a generally disk-shaped perimeter area that includes features to promote in-molding of the cleat to a footwear sole component (e.g., to permanently engage the cleat with an outsole member). Such cleats may provide a flexible and comfortable base, including a low profile, e.g., to enable formation relatively thin and/or flexible footwear sole components. Footwear sole components and articles of footwear that include one or more in-molded cleat structures of this type also are described. Molds used for in-molding procedures and methods of using the molds to make articles with in-molded components (e.g., for making footwear sole structures including one or more in-molded cleats) also are described.

Classifications:

International (IPC 8-9): A43B13/12 A43B13/16 A43B13/22 A43B13/26 A43B23/17 A43B5/00 A43B5/02 A43C1/00 A43C13/04 A43C15/02 A43C15/16 A43D3/02 B29C33/02 B29C33/12 B29C45/16 B29C45/26 B29D35/02 B29D35/04 B29D35/06 B29D35/12 B29D35/14 B29L31/50
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US: 1/1 12/146B 12/21 36/134 36/25R 36/59R



Family:

Publication number	Publication date	Application number	Application date
AU2014215430 AA	20150820	AU20140215430	20140205
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AU2014215430 CA	20170406	AU20140215430	20140205
AU2014215438 AA	20150813	AU20140215438	20140205
AU2014215438 BB	20170105	AU20140215438	20140205

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AU2014215444 BB	20161020	AU20140215444	20140205
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CN105246363 B	20170315	CN201480007475	20140205
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DE602014052795 D1	20190919	DE201460052795T	20140205
EP2953788 A1	20151216	EP20140705267	20140205
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EP2953493 B1	20190327	EP20140706392	20140205
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JP2016504966 T2	20160218	JP20150556245T	20140205
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JP2016506883 T2	20160307	JP20150556247T	20140205
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JP2016511169 T2	20160414	JP20150556248T	20140205
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NZ710581 A	20160826	NZ20140710581	20140205
NZ710734 A	20160624	NZ20140710734	20140205
NZ722100 A	20170331	NZ20140722100	20140205
US2014215862 AA	20140807	US20130759888	20130205
US9125452 BB	20150908	US20130759888	20130205
US2014215857 AA	20140807	US20130759893	20130205
US2014215729 AA	20140807	US20130759900	20130205
US2017215518 AA	20170803	US20170488726	20170417
WO14123944 A1	20140814	WO2014US14775	20140205
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Priority:

US20130759900	20130205	US20130759888	20130205	US20130759893	20130205
WO2014US14775	20140205	WO2014US14787	20140205	WO2014US14799	20140205
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EP20160206670	20140205	NZ20140710581	20140205	US20170488726	20170417

Probable Assignee: NIKE INC

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

Assignee(s): CURL DARIEN ; LIN DICK ; MUELLER NICOLE ; NIKE INNOVATE CV BEAVERTON ; SALINAS RICARDO JR ; TU DAVID

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Inventor(s): CURL DARIEN BEAVERTON ; DARIEN CURL ; DAVID TU ; DICK LIN ; LIN DICK BEAVERTON ; MUELLER NICOLE BEAVERTON ; NICOLE MUELLER ; RICARDO SALINAS JR ; SALINAS JR ; SALINAS RICARDO JR BEAVERTON ; TU DAVID BEAVERTON

Agent(s): BANNER AND WITCOFF LTD; DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; DR RALF KOTITSCHKE; FLEUCHAUS AND GALLO PARTNERSCHAFT MBB PATENT U RECHTSANWALTE; KAWAMOTO KAZUYA; OSAKABE SUGURU; RAUCHHOLZ WILLIAM F; SHIMIZU HATSUSHI; SMART AND BIGGAR; TOMBLING ADRIAN GEORGE

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

5) Family number: 43862294 (US2009277041 AA)

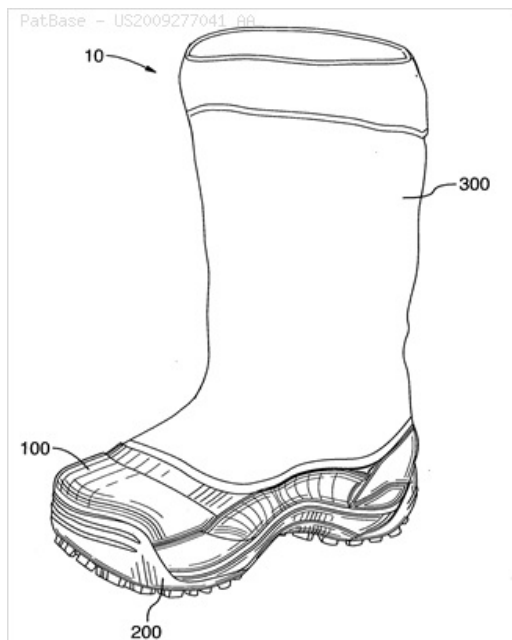
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Title: THREE-PIECE FOOTWEAR

Abstract: The invention comprises an item of footwear, comprising: a) an upper sole, shaped to receive a user's foot, and including a toe cap portion, a heel portion, and a sole portion, which is formed from a lightweight, thermally insulative plastics material; b) a lower sole, formed from a resilient plastics material, the lower sole attached to and at least partially covering the sole portion of the upper sole and operative to protect the upper sole from direct physical contact with the ground and to minimize wear on the upper sole; and c) an upper attached to the upper sole.

Classifications:

International (IPC 8-9): A43B1/10 A43B13/00 A43B13/02 A43B13/12 A43B13/14 A43B13/16 A43B13/18 A43B13/28 A43B23/00 A43B23/08 A43B9/00 A43D25/00 A43D25/06
CPC: A43B1/00 A43B13/16 A43B3/02
US: 12/142.00E 12/142.00T 12/142.00TS 12/142E 12/142T 12/146.0BR 12/146BR 36/12 36/12P 36/30.00R 36/30R 36/4 36/77.00RS 36/77R

**Family:**

Publication number	Publication date	Application number	Application date
CA2627262 AA	20090927	CA20082627262	20080327
CA2627262 C	20140513	CA20082627262	20080327
US2009277041 AA	20091112	US20090358396	20090326
US8151484 BB	20120410	US20090358396	20090326

Priority:

CA20082627262 20080327

Probable Assignee: BAFFIN LTD

Assignee(s): (std): BAFFIN INC ; HUBNER PAUL

Assignee(s): BAFFIN LLC ; BAFFIN LTD ; CANADIAN IMP BANK OF COMMERCE AGENT AS ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGENT AG AS

Inventor(s): (std): HUBNER PAUL

Agent(s): BERESKIN AND PARR LLP SENCRL SRL; HOFBAUER PATRICK J; HOFBAUER PROFESSIONAL CORP; PATRICK J

6) Family number: 34970546 (US2007184238 AA)

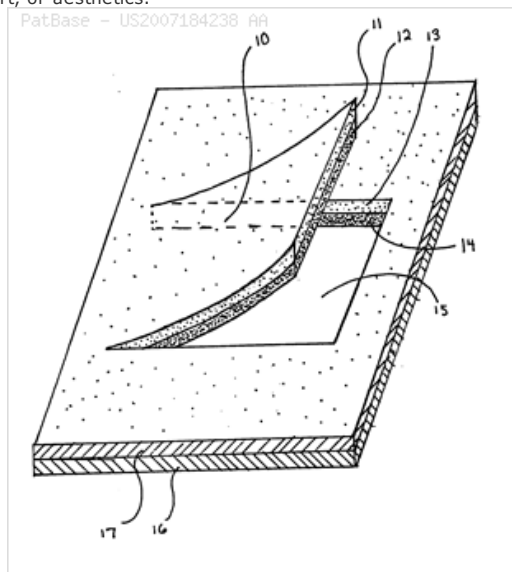
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Title: LAMINATE ACTUATORS AND VALVES

Abstract: Artificial stoma formed with multilayered structures that actuate with humidity, temperature, chemical environment or light. These actuators can be incorporated into shoes, apparel, fuel cells, machinery, and buildings to control fluid flow or diffusion to regulate humidity, temperature, chemical environment, or light. These actuators can be used as sensors, modify structure, or appearance for greater function, comfort, or aesthetics.

Classifications:

International (IPC 8-9): A41F9/00 B32B5/00 B32B7/00 G01K5/00 G01K5/68
CPC: B32B2262/101 B32B2262/105 B32B23/08 B32B2307/202 B32B2307/51 B32B2307/726 B32B2307/728 B32B2437/00 B32B2437/02 B32B2457/18 B32B25/08 B32B25/14 B32B25/16 B32B25/20 B32B27/08 B32B27/12 B32B27/281 B32B27/32 B32B27/322 B32B27/34 B32B27/36 B32B27/40 B32B3/266 B32B7/00 B32B7/02 B32B7/05 B32B9/005 F03G7/06 F04B39/1073 F16K15/16 Y10T428/24
US: 2/1 2/1S 428/98 428/98P

**Family:**

Publication number	Publication date	Application number	Application date
US2007184238 AA	20070809	US20070702821	20070206
WO07092386 A2	20070816	WO2007US03044	20070206

Priority:

US20060765607P 20060206 US20070702821 20070206

Probable Assignee: ENERGY RELATED DEVICES INC

Assignee(s): (std): ENERGY RELATED DEVICES INC

Inventor(s): (std): DEJOHN MARC D ; HOCKADAY LAURA A ; HOCKADAY ROBERT G ; POPA SIMIL LIVIU ; TURNER PATRICK S

Agent(s): JAMES C WRAY

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 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 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 ZA ZM ZW

7) Family number: 74787552 (US2020362086 AA)

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Title: METHOD FOR PREPARING A THERMOPLASTIC POLYURETHANE HAVING A LOW GLASS TRANSITION TEMPERATURE

Abstract: The present invention is directed to a method for preparing a thermoplastic polyurethane having a low glass transition temperature. The process according to the present invention comprises the steps of providing at least one polyol composition (P) comprising a poly-s-caprolactone polyol (P1), and a second polyol (P2) which is different from the first polyol (P1), and reacting the at least one polyol composition (P) with at least one polyisocyanate (P1) and at least one low molecular weight diol (CE) optionally in the presence of at least one catalyst (CA) and/or at least one additive (AD) to obtain a thermoplastic polyurethane. The present invention is also directed to the thermoplastic polyurethane obtained according to the process of the prestrn invention and the use thereof in extruded articles and injection molded articles.

Classifications:

International (IPC 8-9): C08G101/00 C08G18/08 C08G18/32 C08G18/42 C08G18/66 C08G18/76 C08J9/12 C08J9/16 C08J9/18

CPC: C08G18/3203 C08G18/4244 C08G18/4277 C08G18/664 C08G18/7671 C08G2101/0058 C08G2101/0066 C08J2203/10 C08J2375/04 C08J9/125 C08J9/16 C08J9/18

Family:

Publication number	Publication date	Application number	Application date
BR112020009775 A2	20201103	BR20201109775	20181213
CA3083335 AA	20200522	CA20183083335	20181213
CN111448234 A	20200724	CN201880078594	20181213
EP3724250 A1	20201021	EP20180815718	20181213
IN202027026223 A	20201002	IN202027026223	20200622
KR20200093670 A	20200805	KR20207020243	20181213
TW201927843 A	20190716	TW20180144936	20181213
US2020362086 AA	20201119	US20180766180	20181213
WO19115678 A1	20190620	WO2018EP84716	20181213

Priority:

EP20170207183 20171214 WO2018EP84716 20181213

Probable Assignee: BASF SE

Assignee(s): (std): BASF SE

Assignee(s): BASF POLYURETHANES GMBH ; POESELT ELMAR ; POPPENBERG JOHANNES ; RICHTER SEBASTIAN

Inventor(s): (std): ELMAR POESELT ; JOHANNES POPPENBERG ; POESELT ELMAR ; POPPENBERG JOHANNES ; RICHTER SEBASTIAN ; SEBASTIAN RICHTER

Agent(s): ALTMANN STOESSSEL DICK PATENTANWAELTE PARTG MBB; BORDEN LADNER GERVAIS LLP; HERZOG FIESSER AND PARTNER PATENTANWAELTE PARTG MBB

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 JO 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 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

8) Family number: 47849929 (US2010313450 AA)

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Title: FOOTWEAR CONSTRUCTION

Abstract: A welted footwear construction with a direct-attach outsole and an internal tray containing a low density cushioning material. The welt may be secured to the upper and insole by one line of stitching and to the tray by a second line of stitching. The tray may include separate heel and forefoot cavities, each containing a low density cushioning material. The tray may be manufactured from thermoplastic urethane ("TPU") and may contain low-density polyurethane ("PU"). The low-density PU may be molded in place within the cavities in the tray. The outsole may be directly attached to the undersurface of the tray, and may be manufactured from high-density PU.

Classifications:

International (IPC 8-9): A43B13/18 A43B13/28 A43B13/38 A43B21/26 A43B9/04 A43D11/00

CPC: A43B13/12

US: 12/142.00T 12/142.00TS 12/142T 12/146.00RS 12/146R 36/17.00R 36/17.00RP 36/17R 36/28 36/28S 36/30.00R 36/30R 36/35.00RS 36/35R 36/43 36/43S



Family:

Publication number	Publication date	Application number	Application date
US2010313450 AA	20101216	US20090481669	20090610
US8127468 BB	20120306	US20090481669	20090610

Priority:

US20090481669 20090610

Probable Assignee: WOLVERINE OUTDOORS INC

Assignee(s): (std): MORGAN MARK M ; WOLVERINE WORLD WIDE INC

Assignee(s): JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; WOLVERINE OUTDOORS INC

Inventor(s): (std): MORGAN MARK M

Agent(s): WARNER NORCROSS AND JUDD LLP; WARNER NORCROSS AND JUDD LLP INTELLECTUAL PROPERTY GROUP; WARNER NORCROSS AND JUDD LLP,INTELLECTUAL PROPERTY GROUP

9) Family number: 69331745 (US2018103714 AA)

© PatBase

Title: ARTICLE OF FOOTWEAR WITH COOLING FEATURES

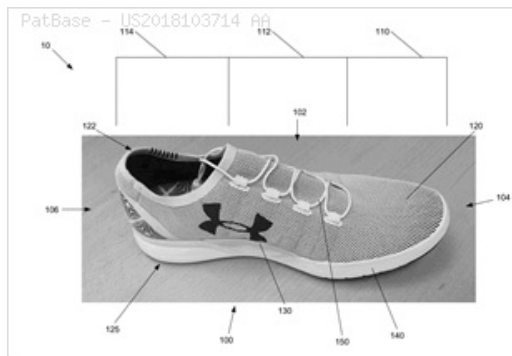
Abstract: The present invention is directed toward an article of footwear effective to regulate the temperature of the feet of a wearer. In an embodiment, the article of footwear includes an upper and an insole with a thermal effect membrane. The thermal effect membrane contains a plurality of system-reactive components selectively engaged heat and/or moisture. In an embodiment, the printed coating includes a cooling agent, a phase change material, and a heat dissipation material. The bottom of the sole structure of the article of footwear further includes a multiple openings in the forefoot, midfoot, and hindfoot regions. The multiple openings promote airflow into the interior of the upper. In operation, the article of footwear is effective to delay/diminish the rise in skin temperature (compared to footwear lacking the membrane and/or openings), increasing wearer comfort.

Classifications:

International (IPC 8-9): A43B13/12 A43B13/18 A43B23/02 A43B7/00 A43B7/02 A43B7/08

CPC: A43B1/04 A43B13/127 A43B13/145 A43B13/188 A43B23/0205 A43B23/027 A43B7/005 A43B7/02 A43B7/081 A43B7/087

US: 1/1 36/2.6



Family:

Publication number	Publication date	Application number	Application date
US10786035 BB	20200929	US20170783006	20171013
US2018103714 AA	20180419	US20170783006	20171013

Priority:

US20160407789P 20161013 US20170783006 20171013

Probable Assignee: UNDER ARMOUR INC

Assignee(s): (std): UNDER ARMOUR INC

Assignee(s): JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS

Inventor(s): (std): HOWE JUSTIN

Agent(s): EDELL SHAPIRO AND FINNAN LLC

10) Family number: 30019013 (US5113599 A)

© PatBase

Title: ATHLETIC SHOE HAVING INFLATABLE BLADDER

Abstract: An athletic shoe is described, provided with an inflatable tongue or bladder for a more secure fit to the user's foot.

The bladder may include a plurality of chambers with a valve disposed therebetween to selectively inflate the chambers. The inflatable tongue or bladder has a lightweight pump disposed thereon.

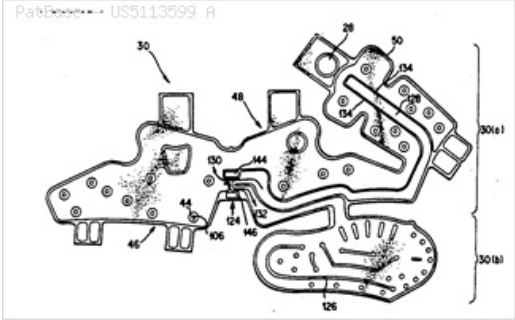
Classifications:

International (ipc 8-9): A43B13/14 A43B13/18 A43B13/20 A43B17/00 A43B17/03 A43B23/00 A43B23/02 A43B23/26 A43B5/00 A43B5/04 A43B7/06 A43B7/14 A43B7/32 A43D21/00

International (ipc 1-7): A43B1/300 A43B10/00 A43B13/00 A43B13/04 A43B13/12 A43B13/14 A43B13/18 A43B13/20 A43B13/24 A43B17/03 A43B23/00 A43B23/02 A43B23/26 A43B5/00 A43B5/04 A43B7/00 A43B7/06 A43B7/14 A43B7/20 A43B7/32

CPC: A43B23/029 A43B23/26 A43B5/0407 A43B17/035 A43B23/0255 A43B23/026 A43B3/0005 A43B13/203 A43B13/14 A43B5/00 A43B7/14 A43B7/142 A43B1/0072 A43B23/0235 A43B23/025 A43B23/0295

US: 36/103 36/114 36/114S 36/129 36/129S 36/148 36/25.00R 36/25R 36/28 36/29 36/29S 36/30R 36/31 36/3A 36/45 36/45S 36/71 36/88 36/88P 36/91 36/93 383/100 383/103



Family:

Publication number	Publication date	Application number	Application date
AU199050998 A1	19900514	AU19900050998	19900208
AU630929 B2	19921112	AU19900050998	19900208
AU199179612 A1	19911231	AU19910079612	19910523
AU650270 B2	19940616	AU19910079612	19910523
AU199224813 A1	19930901	AU19920024813	19920817
AU656022 B2	19950119	AU19920024813	19920817
AU199332317 A1	19930901	AU19930032317	19921130
CA2026782 AA	19900809	CA19902026782	19900208
CA2026782 C	19980407	CA19902026782	19900208
CA2084080 AA	19921127	CA19912084080	19910523
CA2084080 C	20000111	CA19912084080	19910523
CA2107091 AA	19930927	CA19922107091	19920817
CA2107091 C	20030805	CA19922107091	19920817
DE69130980 D1	19990415	DE19916030980T	19910523
DE69130980 T2	19991111	DE19916030980T	19910523
DE69233009 D1	20030522	DE19926033009T	19920817
DE69233009 T2	20040122	DE19926033009T	19920817
EP0269577 A2	19880601	EP19870830313	19870828
EP0269577 A3	19881019	EP19870830313	19870828
EP0411099 A1	19910206	EP19900903493	19900208
EP0411099 A4	19920826	EP19900903493	19900208
EP0536202 A1	19930414	EP19910911589	19910523
EP0536202 A4	19940209	EP19910911589	19910523
EP0536202 B1	19990310	EP19910911589	19910523
EP0579786 A1	19940126	EP19920918234	19920817
EP0579786 A4	19940824	EP19920918234	19920817
EP0579786 B1	20030416	EP19920918234	19920817
EP0625013 A1	19941123	EP19930900741	19921130
EP0625013 A4	19951220	EP19930900741	19921130
ES2039319 T1	19931001	ES19900903493T	19900208
ES2191658 T3	20030916	ES19920918234T	19920817
FR2683432 A1	19930514	FR19920010170	19920820
FR2683432 B1	19941118	FR19920010170	19920820
GB2258801 A1	19930224	GB19920017711	19920820
GB2258801 B2	19950726	GB19920017711	19920820
GB9217711 A0	19920930	GB19920017711	19920820
IT209581 U	19881010	IT19860022853U	19860829
IT8622853 U0	19860829	IT19860022853U	19860829
JP3503855 T2	19910829	JP19900503554T	19900208
JP2078640 C3	19960809	JP19910510271	19910523
JP7112441 B4	19951206	JP19910510271	19910523
JP5507220 T2	19931021	JP19910510271T	19910523
JP6506384 T2	19940721	JP19930513173T	19920817
KR19947000017 A	19940221	KR19937002829	19920827
US5158767 A	19921027	US19900576147	19900830
US5113599 A	19920519	US19900588828	19900927
US5319866 A	19940614	US19910748079	19910821
US5343638 A	19940906	US19930109995	19930823
US5987779 A	19991123	US19960632800	19960417
US6237251 BA	20010529	US19990409747	19991001
US2001032399 AA	20011025	US20010833565	20010413
US6557274 BB	20030506	US20010833565	20010413
WO9004323 A2	19900503	WO1990US00753	19900208
WO9004323 A3	19900628	WO1990US00753	19900208
WO9118527 A1	19911212	WO1991US03610	19910523
WO9314658 A1	19930805	WO1992US06747	19920817
WO9314659 A1	19930805	WO1992US10338	19921130

Priority:

IT19860022853U	19860829	US19870089749	19870827	US19890307566	19890208
WO1990US00753	19900208	CA19902026782	19900208	US19900530854	19900530
US19900576147	19900830	US19900588828	19900927	WO1991US03610	19910523
US19910748079	19910821	US19920828440	19920131	US19920828443	19920131
US19920857493	19920325	WO1992US06747	19920817	WO1992US06747	19920827
WO1992US10338	19921130	US19930109995	19930823	US19930161610	19931206

US19930162961	19931208	US19940208787	19940311	US19950370189	19950109
US19950434755	19950504	US19950565235	19951130	US19960632800	19960417
US19970879255	19970619	US19990409747	19991001	US20010833565	20010413

Probable Assignee: REEBOK INT LTD

Assignee(s): (std): ELLESSE INT SPA ; REEBOK INT LTD ; REEBOK INT LTD N D GES D ; REEBOK INTERNAT LTD N D GES D ; REEBOK INTERNATIONAL LIMITED ; REEBOK INTERNATIONAL LTD ; SCALZI THERESA S ; SMITH STEVEN F

Assignee(s): COHEN ERIC D ; DE CASTRO JOSE TADEO ; ELLESSE INTERNATIONAL S P A ; FELLER CRAIG ; FOLEY PETER M ; JONES ANDREW R ; JONES MERRICK W ; LACORAZZA DAVID ; LEGASSIE CHARLES P ; LITCHFIELD PAUL E ; MARVIN WILLIAM ; MONAHAN ROBERT ; MONTROSS MATTHEW ; MOUNT LAURA K ; REEBOK INT ; REEBOK INT LTD N D GES D STAATES MASSAC ; REEBOK INT LTD NDGEDS STAATES MASSACHUSETTS STOUGHTON ; REEBOK INTERNATIONAL LTD N D GES D STAATES MASSACHUSETTS STOUGHTON ; REEBOK INTERNATIONAL LTD STOUGHTON ; REEBOK INTERNATIONAL LTD STOUGHTON MASS US ; RIIBOTSUKU INTERN LTD ; SERVADIO LEONARDO

Inventor(s): (std): BURRIS STEVEN ; BURRIS STEVEN J ; CASTRO JOSE TADEO DE ; COHEN ERIC ; COHEN ERIC D ; DE CASTRO JOSE ; DE CASTRO JOSE T ; DE CASTRO JOSE TADEO ; FELLER CRAIG ; FOLEY M ; FOLEY PETER M ; IGOE BRIAN ; IGOE BRIAN F ; JONES ANDREW ; JONES ANDREW R ; JONES MERRICK W ; LACORAZZA DAVID ; LACORAZZA DAVID J ; LEGASSIE CHARLES P ; LEGASSIE P ; LIGGETT STEVEN P ; LITCHFIELD E ; LITCHFIELD PAUL ; LITCHFIELD PAUL E ; MARVIN WILLIAM ; MONAHAN ROBERT ; MONTROSS MATTHEW ; MOUNT LAURA K ; PHILLIPS MATTHEW L ; SCALZI THERESA S ; SERVADIO LEONARDO ; SMITH STEVEN ; SMITH STEVEN F

Inventor(s): ANDREW R JONES ; BRIAN F IGOE ; CHARLES P LEGASSIE ; CRAIG FELLER ; DAVID J LACORAZZA ; DAVID LACORAZZA ; DE CASTRO JOSE TADEO BROOKLINE MA 02146 US ; DE KASUTORO HOSE TADEO ; ERIC D COHEN ; JOONZU ANDORYU AARU ; JOSE TADEO DE CASTRO ; KOEN ERITSUKU DEII ; LAURA K MOUNT ; LEONARDO SERVADIO ; MATTHEW L PHILLIPS ; MATTHEW MONTROSS ; MERRICK W JONES ; PAUL E LITCHFIELD ; PETER M FOLEY ; RITSUCHIFUIRUDO HOORU II ; ROBERT MONAHAN ; STEVEN F SMITH ; STEVEN J BURRIS ; STEVEN P LIGGETT ; SUMISU SUTETIUN EFU ; THERESA S SCALZI ; WILLIAM MARVIN

Agent(s): DAVIES COLLISON CAVE ; DAVIES COLLISON CAVE PTY LTD ; MAXWELLS PATENT AND TRADE MARK ATTORNEYS PTY LTD ; OGILVY RENAULT LLP SENCRL SRL ; PETER MAXWELL AND ASSOCIATES ; STERNE KESSLER GOLDSTEIN AND FOX PLLC

Designated states: AT AU BE CA CH DE DK ES FR GB GR IE IT JP KR LI LU MC NL PT SE UA

11) Family number: 64644794 (CN106307791 A)

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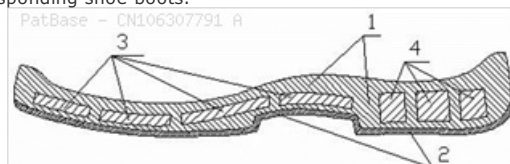
Title: THREE-DENSITY SOLE WITH RUBBER, PU AND EVA, CORRESPONDING SHOE BOOT AND PREPARATION PROCESS OF SHOE BOOT

Abstract: The invention discloses a three-density sole with rubber, PU and EVA. The three-density sole is of a composite layer structure formed by integrated connection of an upper-part PU layer and a lower-part rubber layer, wherein the part, corresponding to a front sole, of the PU layer limits an EVA front filling core which extends along the trend, from a shoe tip to a heel, of the PU layer; the front filling core is surrounded in a PU material. The invention also provides a shoe boot with the sole and a preparation process of the shoe boot. The three-density sole has the beneficial effects that the existing sole with a double-density structure is changed into a three-density structure, i.e., the layer of EVA front filling core is added between the sole and the bottom part of an upper, and as the density of the EVA is less than that of the PU and the EVA has better elasticity, the sole has the advantages of low density, large elasticity, low cost and the like, and the functions of lightness, vibration absorption and the like of the shoe boot are improved on the basis of reduction of the cost. The three-density sole is applicable to various rubber-PU-EVA three-density soles and corresponding shoe boots.

Classifications:

International (IPC 8-9): A43B13/02 A43B13/12 A43B13/14

CPC: A43B13/12 A43B13/14



Family:

Publication number	Publication date	Application number	Application date
■ CN106307791 A	20170111	CN201610750603	20160830
■ CN106307791 B	20190301	CN201610750603	20160830
■ CN206043603 U	20170329	CN201620971241U	20160830

Priority:

CN201610750603 20160830 CN201620971241U 20160830

Probable Assignee: JIHUA 3514 LEATHER AND FOOTWEAR CO LTD

Assignee(s): (std): JIHUA 3514 LEATHER AND FOOTWEAR CO LTD

Assignee(s): JIHUA 3514 LEATHER AND FOOTWEAR CO ; JIHUA THREE HUNDRED FIFTY FOUR LEATHER FOOTWEAR LTD ; JIHUA THREE THOUSAND FIVE HUNDRED FOURTEEN LEATHER FOOTWEAR LTD

Inventor(s): (std): JIAO ZHANLEI ; LI JUN ; WANG QINQIN ; ZHAO HONGWEI

12) Family number: 32382088 (US2005172513 AA)

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Title: BREATHABLE SOLE STRUCTURE FOR FOOTWEAR

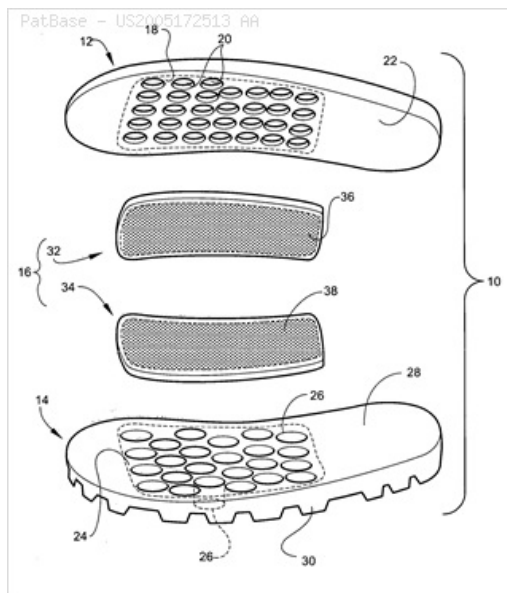
Abstract: The instant invention is a breathable sole structure for footwear. The footwear sole structure includes an insole, an outsole, and a functional membrane system. The insole has an area with a plurality of holes therethrough. The outsole has an area with a plurality of holes therethrough. The functional membrane system has a microporous hydrophilic membrane and a microporous hydrophobic membrane. The insole and the outsole are bonded to each other, so that the functional membrane system is sandwiched therebetween; and furthermore, the functional membrane system is juxtaposed to said areas.

Classifications:

International (IPC 8-9): A43B13/02 A43B13/12 A43B13/14 A43B13/18 A43B13/20 A43B13/42 A43B7/00 A43B7/06 A43B7/08 A43B7/12 A43B9/12

International (IPC 1-7): A43B13/12 A43B13/14 A43B13/20

A43B13/42 A43B7/06 A43B7/08 A43B7/12 A43B9/12
CPC: A43B13/026 A43B13/12 A43B13/125 A43B7/08 A43B7/125
A47J27/0815 A47J36/10
US: 36/3.00B 36/3.00R 36/3B 36/3R



Family:

Publication number	Publication date	Application number	Application date
CA2491485 AA	20050810	CA20052491485	20050105
CN1653982 A	20050817	CN200510005610	20050121
EP1563750 A1	20050817	EP20050002089	20050202
JP2005224608 A2	20050825	JP20050032533	20050209
KR20050080732 A	20050817	KR20050004114	20050117
SG114707 A1	20050928	SG20050000683	20050207
US2005172513 AA	20050811	US20040775350	20040210

Priority:

US20040775350 20040210 CA20052491485 20050105

Probable Assignee: CELGARD INC

Assignee(s): (std): CELGARD INC

Assignee(s): LECHHART FRIDTJOF ; MARTIN TIM W

Inventor(s): (std): FRIDTJOF LECHHART ; LECHHART FRIDTJOF ; MARTIN TIM W

Inventor(s): MARTIN TIM

Agent(s): ROBERT H HAMMER III PC; SMART AND BIGGAR

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

13) Family number: 62790749 (US2016183633 AA)

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Title: FOOTWEAR HAVING A FLEX-SPRING SOLE

Abstract: Footwear and soles for footwear are disclosed. The sole may include an energy transfer base. The energy transfer base may include top and bottom surfaces, and opposed first and second side surfaces. The energy transfer base may include at least one cavity. The at least one cavity may define upper and lower portions of the energy transfer base. The upper portion may be configured to move away from a nominal position and toward the lower portion when a force applied to the upper portion toward the lower portion has a magnitude that is above a predetermined value, and to move back to the nominal position when at least one of (1) the force is no longer applied or (2) the magnitude of the applied force is at or below the predetermined value.

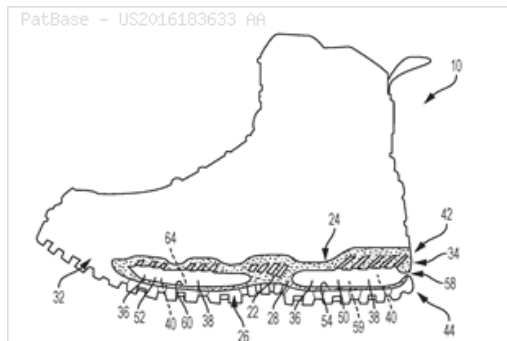
Classifications:

International (IPC 8-9): A43B13/00 A43B13/12 A43B13/18

A43B13/20 A43B7/32

CPC: A43B13/125 A43B13/181 A43B13/186 A43B13/187 A43B13/20

US: 1/1 36/29



Family:

Publication number	Publication date	Application number	Application date
US2016183633 AA	20160630	US20150986339	20151231
US9668540 BB	20170606	US20150986339	20151231
WO16109817 A1	20160707	WO2015US68321	20151231

Priority:

US20140098610P 20141231 US20150986339 20151231

Probable Assignee: CHINOOK ASIA LLC

Assignee(s): (std): CHINOOK ASIA LLC

Inventor(s): (std): LEE SANGMIN ; SCOFIELD ROBERT KENT

Agent(s): KOLISCH HARTWELL PC; SABIDO PETER D

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

14) Family number: 30222957 (US5738937 A)

PatBase

Title: WATERPROOF/BREATHABLE LINER AND IN-LINE SKATE EMPLOYING THE LINER

Abstract: The breathable liner includes an inner liner selected from highly advance fabrics which are carefully selected. A series of layers are provided outside the inner liner including foam material layers, breathable membranes, a supportive mesh or a moldable foam, and an outer shell fabric. An in-line skate using such a liner is also disclosed. Furthermore, the applicability of the liner to snowboard boots, alpine and cross country boots, as well as clothing is disclosed.

Classifications:

International (ipc 8-9): A41D1/00 A41D1/02 A41D13/00 A41D27/00 A41D27/02 A41D31/00 A41D31/02 A41H43/00 A43B1/00 A43B13/28 A43B17/00 A43B19/00 A43B23/00 A43B23/02 A43B23/07 A43B3/00 A43B3/10 A43B5/00 A43B5/04 A43B5/06 A43B7/00 A43B7/06 A43B7/12 B29D29/00 B31B45/00 B32B15/14 B32B21/10 B32B27/04 B32B27/06 B32B27/12 B32B27/28 B32B3/00 B32B3/10 B32B3/16 B32B3/24 B32B3/26 B32B33/00 B32B5/02 B32B5/06 B32B5/08 B32B5/16 B32B5/18 B32B5/22 B32B5/24 B32B5/26 B32B5/32 D03D25/00 D04B1/00 D04B11/00 D04B11/12 D04B21/00 D04G1/00 D04H1/413 D04H1/42 D04H1/46 D04H1/58 D04H13/00 D04H5/18 D04H5/24 D05C17/00 F16L1/00 F41A13/00 F41A13/12 F41A21/24 F41A21/32 F41A21/44

International (ipc 1-7): A43B1/02 A43B13/38 A43B17/00 A43B19/00 A43B23/00 A43B23/07 A43B3/10 A43B7/06 B29D29/00 B32B27/04 B32B27/12 B32B3/00 B32B3/10 B32B3/26 B32B5/02 B32B5/16 B32B5/18 B32B5/24 B32B5/26 D04B1/00 D04B21/00 D04G1/00 D04H5/18 D04H5/24 F16L1/00

CPC: A43B19/00 A43B23/07 A43B5/0405 A43B7/125 B32B2307/724 B32B27/12 B32B27/308 B32B5/022 B32B5/18 B32B7/12 A43B3/0084 B32B5/22 Y10T428/249953 Y10T428/24998 Y10T428/249993 Y10T442/193 Y10T442/2213 Y10T442/2221 Y10T442/223 Y10T442/2246 Y10T442/2254 Y10T442/2484 Y10T442/3325 Y10T442/335 Y10T442/3358 Y10T442/3602 Y10T442/365 Y10T442/469 Y10T442/651 Y10T442/652 A41D27/02 A43B1/0045 A43B5/0401 B32B2260/021 B32B2260/046 B32B2262/0253 B32B2262/0276 B32B2262/08 B32B2262/14 B32B2266/0278 B32B2266/06 B32B2307/304 B32B2307/7145 B32B2307/7265 B32B2307/728 B32B2437/02 B32B5/024 B32B5/026 B32B5/24 B32B5/245 B32B5/26 B32B5/32 D04H1/42 D04H1/4374 D04H1/46 D04H1/58 Y10T428/1362 Y10T428/1366 Y10T428/1369 Y10T428/24273 Y10T428/24496 Y10T428/24996 Y10T428/249975 Y10T428/249981 Y10T428/249986 Y10T442/10 Y10T442/102 Y10T442/136 Y10T442/15 Y10T442/195 Y10T442/3041 Y10T442/3341 Y10T442/3472 Y10T442/3854 Y10T442/647 Y10T442/649 Y10T442/674 Y10T442/682 Y10T442/695 Y10T442/697 A41D31/102 A41D31/125 A41D31/145 A43B23/022 A43B23/0255 A43B23/06 A61F13/00 B32B2262/0246 B32B2262/103 B32B2266/0207 Y10T428/13 Y10T428/23943 B32B2305/38 B32B27/065 Y10T428/24331 A43B23/0235 A43B23/026 A43B7/12 D04H13/00 Y10T442/20 Y10T442/2008 Y10T442/612 Y10T442/637 Y10T442/655 Y10T442/696 A41D31/065 A41D31/12 B32B2250/04 B32B2262/062 B32B2437/00 B32B2459/00 B32B3/266 B32B5/06 B32B5/08 Y10S428/913 A41D31/305 B32B37/00 B32B2437/04 Y10T428/23986 A41D1/02 A41D2500/30 A41D2500/54 A41D31/185 A41H43/00 A43B1/00 B32B2255/02 B32B2255/26 B32B2262/0207 B32B2262/0261 B32B2262/06 B32B2264/105 B32B2266/0292 B32B2305/022 B32B7/08 D04H1/4234 D04H1/425 D04H1/4391 D04H1/498 D04H13/001 Y10T442/3016 Y10T442/413 Y10T442/494 Y10T442/601 Y10T442/608 Y10T442/611 Y10T442/654 Y10T442/659 Y10T442/666 Y10T428/249921 Y10T428/249976 Y10T428/249991 Y10T442/30 Y10T442/40 B32B3/26 Y10T428/249962 Y10T428/249964 Y10T442/2139 Y10T442/259 A43B23/0215 A43B5/002 A43B5/06 A43B5/1616 A43B7/34 B32B1/00 B32B2262/02 B32B2262/0223 B32B2262/04 B32B2262/067 B32B2266/0228 B32B2266/0264 B32B2307/30 B32B2307/404 B32B2307/546 B32B2307/732 B32B25/08 B32B25/10 B32B27/40 B32B3/04 B32B7/09 B32B9/025 B32B9/047 D04H1/413 F41A13/12 F41A21/24 F41A21/32 F41A21/44 D04H1/4266 B32B27/18 Y10T428/249987 B32B2250/05 B32B27/06 B32B27/26 B32B27/34 B32B3/08 B32B3/30 B32B5/028 B32B5/10

US: 1/1 2/243.1 2/243.100S 2/272 2/272P 2/44 2/44S 2/69 2/69P 36/1 36/10 36/10P 36/10S 36/115 36/117.3 36/117.4 36/118 36/24.5 36/3.00RP 36/305 36/30R 36/3R 36/43 36/44 36/45 36/45S 36/55 36/55P 36/55S 36/9 36/9.00RS 36/98 36/98P 36/9R 428/131 428/138 428/138P 428/158 428/221 428/304.4 428/304.400P 428/309.9 428/311.11 428/311.51 428/314.2 428/314.4 428/315.9 428/316.6 428/316.600S 428/317.9 428/317.900P 428/318.4 428/319.3 428/319.9 428/319.900S 428/34.1 428/34.100P 428/34.100S 428/36.1 428/36.2 428/36.3 428/76 428/9 428/90 428/90P 428/90S 428/913 428/96 428/96S 442/1 442/118 442/118P 442/131 442/131 442/181 442/183 442/183S 442/186 442/1P 442/2 442/22 442/221 442/221P 442/221S 442/223 442/223P 442/224 442/224S 442/225 442/225S 442/239 442/255 442/255S 442/261 442/261S 442/286 442/30 442/304 442/306 442/306S 442/30P 442/315 442/315S 442/319 442/319S 442/328 442/328P 442/328S 442/342 442/334S 442/337 442/337S 442/338 442/338 442/361 442/370 442/370P 442/370S 442/372 442/372S 442/373 442/373P 442/373S 442/374 442/374S 442/376 442/376S 442/377 442/381 442/381S 442/387 442/387P 442/394 442/402 442/402S 442/413 442/413S 442/414 442/414S 442/415 442/415S 442/55 442/56 442/56S 442/59 442/60 442/76 442/85 442/85S 442/86 442/86S 442/87 442/87S 442/89 442/89S 442/9 442/90 442/90S 523/122 89/14.1 36/3 R

Family:

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AT432158 E	20090615	AT20030761978T	20030623
DE60327780 D1	20090709	DE20036027780T	20030623
EP1539477 A1	20050615	EP20030761978	20030623
EP1539477 A4	20060419	EP20030761978	20030623
EP1539477 B1	20090527	EP20030761978	20030623
US5738937 A	19980414	US19960747340	19961112
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US6981341 BB	20060103	US19970887847	19970703
US7125816 BA	20061024	US19970910115	19970813
US6048810 A	20000411	US19970910116	19970813
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US2004058102 AA	20040325	US20030600711	20030623
US2005186876 AA	20050825	US20030626523	20030725
US2004200094 AA	20041014	US20040757454	20040115
US2005090171 AA	20050428	US20040777159	20040213
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US2005120588 AA	20050609	US20040987157	20041115
US2005102862 AA	20050519	US20040987162	20041115
US2005214501 AA	20050929	US20050098639	20050405
US2006177645 AA	20060810	US20060341374	20060130
US7314840 BB	20080101	US20060341374	20060130
US2006228538 AA	20061012	US20060448102	20060607
US7323243 BB	20080129	US20060448102	20060607
US2007193066 AA	20070823	US20060526594	20060926
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US2008131648 AA	20080605	US20070003262	20071221
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US2008229484 AA	20080925	US20080149116	20080428
US2009162634 AA	20090625	US20090348733	20090105
US2009286442 AA	20091119	US20090511857	20090729
US2010009112 AA	20100114	US20090535922	20090805
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US2010107452 AA	20100506	US20100684588	20100108
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US2013078419 AA	20130328	US20120684671	20121126
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US2016353820 AA	20161208	US20160244262	20160823
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US2016120249 AA	20160505	US20160992263	20160111
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WO04002729 A1	20040108	WO2003US19653	20030623

Priority:

US19960747340	19961112	US19970813438	19970310	US19970832800	19970404
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US20170683895	20170823	US20170693733	20170901	US20180946754	20180406
US20190438625	20190612				

Probable Assignee: OSS SUPPRESSORS LLC

Assignee(s): (std): BAYCHAR ; BAYCHAR HOLDINGS LLC ; OLIVER RUSSELL ; OSS SUPPRESSORS LLC ; SOLID WATER HOLDING ; SOLID WATER HOLDINGS ; SOLIDAWATER HOLDINGS

Assignee(s): BAYCHAR HOLDINGS LLC PO BOX

Inventor(s): (std): BAYCHAR ; BAYCHAR DUMMY ; BAYCHAR EASTPORT ; OLIVER RUSSELL
Agent(s): MATTINGLY AND MALUR PC; MATTINGLY STANGER AND MALUR PC; MATTINGLY STANGER MALUR AND BRUNDIDGE PC; THORPE NORTH AND WESTERN LLP; WENZEL AND KALKOFF
Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

15) Family number: 57274690 (US8819961 BA)

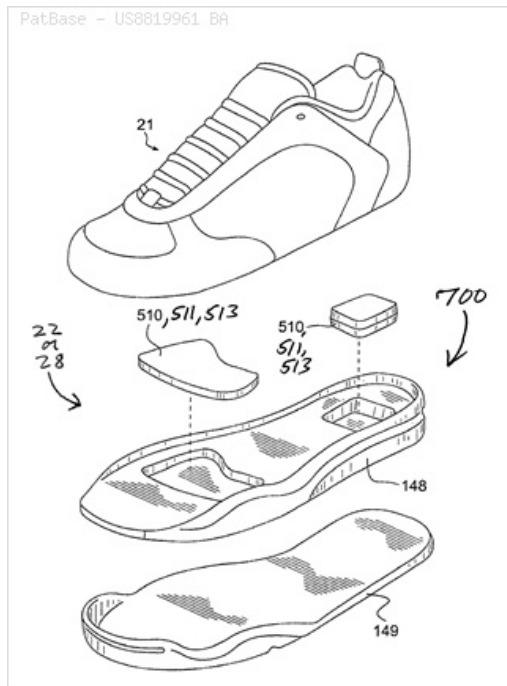
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Title: SETS OF ORTHOTIC OR OTHER FOOTWEAR INSERTS AND/OR SOLES WITH PROGRESSIVE CORRECTIONS

Abstract: A footwear sole or an orthotic or combinations of both including a set of incrementally different inserts forming a progressive sequence. The progressive sequence includes inserts having corrective structures that are incrementally closer to a final corrective structure than a corrective structure of a previous insert in the sequence. The corrective structure of the inserts may change in one or more of shape, thickness and firmness of at least one portion of the at least one insert as compared to the previous insert in the sequence. Each of the inserts of the set is worn for a period of time in order of the progressive sequence as part of the footwear sole and/or orthotic.

Classifications:

International (IPC 8-9): A43B13/14 A43B13/18 A43B13/24 A43B13/38 A43B17/00 A43B5/14 A43B7/14 A61F5/14
CPC: A43B13/14 A43B13/186 A43B13/188 A43B13/38 A43B13/386 A43B17/00 A43B7/1415 A43B7/1465 A43B7/148 A61F5/14
US: 36/140 36/29 36/43 36/44 1/1



Family:

Publication number	Publication date	Application number	Application date
US8819961 BA	20140902	US20080163332	20080627
US2015013183 AA	20150115	US20140449979	20140801
US9693603 BB	20170704	US20140449979	20140801

Priority:

US20070929485P 20070629 US20070929663P 20070706 US20070929672P 20070709
US20070935555P 20070817 US20080163332 20080627 US20140449979 20140801

Probable Assignee: ELLIS FRAMPTON E

Assignee(s): (std): ELLIS FRAMPTON E

Inventor(s): (std): ELLIS FRAMPTON E

Agent(s): MENDELSON DRUCKER AND DUNLEAVY PC; MENDELSON DUNLEAVY PC

16) Family number: 25406587 (GB121634 A)

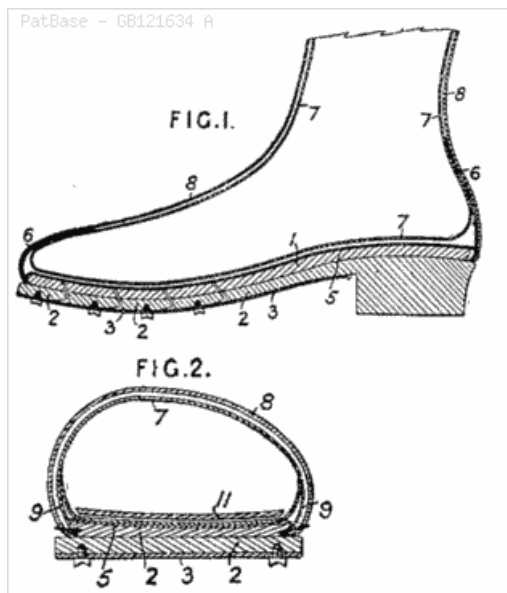
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Title: Improvements in Cold Resisting Boots and Shoes.

Abstract: 121,634. Frizzoni, E. S. Dec. 24, 1917. Connecting uppers to insoles and soles socks linings clogs.-A waterproof and cold-resisting boot or shoe comprises a wooden sole 1 in one or more plies divided transversely to form sections 2, which are covered on the inside with a piece 5 of canvas covered with impermeable cloth and on the tread side with a plate or layer 3 of steel, leather, strong paper, cloth, compressed cotton, india-rubber, or a combination of metal and leather. The boot and c. is lined with a foot-shaped lining 7 having waterproof sewn or cemented seams. This lining is connected to the upper only at the margins of the top and instep openings, and to the sole through tabs or extensions 9 to its toe and heel portions may be secured stiffeners 6 of leather, and c. The upper 8 consists of leather, or of canvas, or cloth, treated with waterproofing solution, and is secured to the sides of, or beneath, the sole 1. The boot is fitted with a loose or cemented cold-resisting sock 11 comprising, for example, a plastic mixture of magnesia and asbestos wool enclosed between cloth or canvas to form a pad, which is covered with waterproof cloth. Similar pads may be secured to the lining 7 at the toe and heel. The space between the lining and the upper may be filled with straw, light feathers, or a thin layer of cork.

Classifications:

International (IPC 8-9): A43B7/00 A43B7/34
International (IPC 1-7): A43B3/24
CPC: A43B7/34



Family:

Publication number	Publication date	Application number	Application date
GB121634 A	19181224	GB19170019083	19171224

Priority:

GB19170019083 19171224

Probable Assignee:	FRIZZONI EDMONDO SETTIMO
Assignee(s): (std):	FRIZZONI EDMONDO SETTIMO
Assignee(s):	EDMONDO SETTIMO FRIZZONI
Inventor(s): (std):	FRIZZONI EDMONDO SETTIMO
Inventor(s):	EDMONDO SETTIMO FRIZZONI

17) Family number: 11000460 (US5775006 A)

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Title: INSULATED WINTER WEATHER BOOT HAVING AN ADJUSTABLE STRAP CLOSURE

Abstract: A winter weather footwear article is disclosed which is formed of a molded sole, a flexible and foot-conformable upper attached to the top surface of the molded sole, and sandal strapping coupled to the sole or the upper and tightenable and fastenable about the exterior of the upper to set the tightness of fit of the article to the wearer's foot. The upper is made up of a fabric layer having a flexible and foot-conformable layer of closed cell polymer foam laminated to the interior surface. This article is preferably used in combination with an inner liner made of a soft insulative material. In preferred embodiments, the upper includes a fabric layer with a flexible and foot-conformable layer of closed cell polymer foam laminated to the interior surface of the fabric layer. The upper also may include a layer of continuous support material affixed to the molded sole and to the exterior surface of the fabric layer, extending around the perimeter of the article to a height at least about midway up the side of the wearer's foot. The sandal strapping preferably includes struts affixed to the molded sole and extending upward adjacent to the area of the upper which contacts the ankle, a first adjustable strap connecting the two struts across the heel, and a second adjustable strap affixed to the medial side support extending through an aperture in the lateral side support, extending through an aperture in the medial strut, and then coupled to the lateral strut with coupling means.

Classifications:

International (IPC 8-9): A43B3/00 A43B3/02 A43B7/14 A43B7/18 A43B7/20 A43C11/00

International (IPC 1-7): A43B23/00 A43B7/20 A43C11/00

CPC: A43B3/02 A43B7/18 A43B7/20 A43C11/00

US: 36/45 36/50.1 36/501 36/89



Family:

Publication number	Publication date	Application number	Application date
US5775006 A	19980707	US19970874904	19970616

Priority:

US19940358063 19941214

US19970874904 19970616

Probable Assignee: TRUKKE WINTER SPORTS PRODUCTS INC**Assignee(s):** (std): TRUCKEE WINTER SPORTS INC**Assignee(s):** DECKERS OUTDOOR CORP ; LEMANS CORP ; TRU E WINTER SPORTS PRODUCTS INC KK ; TRUKKE WINTER SPORTS PRODUCTS INC**Inventor(s):** (std): BREUNER RICHARD W**18) Family number: 30826432** (US2004163280 AA)

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Title: FOOT CUSHIONING CONSTRUCT AND SYSTEM FOR USE IN AN ARTICLE OF FOOTWEAR

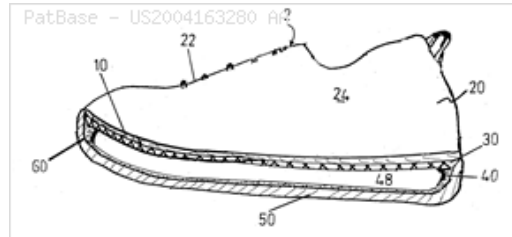
Abstract: The present invention provides a unique improvement in foot cushioning constructs and shock absorbing systems for a constructed article of footwear to be worn by a person. The invention employs a deformable and re-formable elastic stretchsole joined as a planar sheet to the perimeter edge of the shoe upper and forms an elastic end closure for the shoe upper; and includes not less than one pre-positioned median air space able to receive at least a part of the deformed elastic stretchsole layer and cushion the compression forces generated thereon by a person's foot. The foot cushioning construct and system provides a trampoline effect that will lessen the impact on the foot and create greater comfort for the wearer of the shoe.

Classifications:**International (IPC 8-9):** A43B13/18 A43B13/20 A43B13/38

A43B7/00 A43B7/06 A43B9/00 A43B9/02

International (IPC 1-7): A43B13/18**CPC:** A43B13/20 A43B13/383 A43B7/06 A43B7/144 A43B7/1445

A43B9/00 A43B9/02

US: 36/27 36/28 36/29 36/35B 36/28P 36/35.00B**Family:**

Publication number	Publication date	Application number	Application date
US2004163280 AA	20040826	US20030373133	20030224
US7254906 BB	20070814	US20030373133	20030224

Priority:

US20030373133 20030224

Probable Assignee: CREATIVE PRODUCTS SOLUTIONS LLC**Assignee(s):** (std): MORRIS KWAME ; SALEM MARTIN**Assignee(s):** CREATIVE PRODUCTS SOLUTIONS LLC**Inventor(s):** (std): MORRIS KWAME ; SALEM MARTIN**Inventor(s):** KWAME MORRIS ; MARTIN SALEM**Agent(s):** CANTOR COLBURN LLP**19) Family number: 11584239** (US5709954 A)

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Title: CHEMICAL BONDING OF RUBBER TO PLASTIC IN ARTICLES OF FOOTWEAR

Abstract: An article of footwear comprising relatively elastic and relatively inelastic materials chemically bonded together is disclosed. In one embodiment, the relatively elastic and relatively inelastic materials are arranged in such a fashion to impart flexibility to the article of footwear. In particular, plastic and rubber materials are bonded together to improve the flexibility of an outsole of an article of footwear. The invention also is directed to the fabrication of new or improved devices and elements for use in articles of footwear and their associated methods of construction such as closure mechanisms comprising relatively elastic straps bonded to relatively inelastic anchor portions and vice versa, articulating inelastic and elastic exoskeleton constructions useful in skates and ski boots, and elastic or inelastic eyelets surrounded by inelastic or elastic materials. The invention also is directed to chemically bonding relatively elastic to relatively inelastic materials for contemplated use in protective athletic equipment such as helmets and protective padding, and for use in prosthetic devices.

Classifications:**International (IPC 8-9):** A43B13/02 A43B13/04 A43B13/14

A43B13/16 A43B23/02 A43B5/00 A43C11/00 A43C5/00 C08J5/12

C08J7/00 C08J7/12

International (IPC 1-7): A43B13/00 A43B13/02 A43B13/14

A43B13/38 A43B5/00 A43C13/08 B32B7/08

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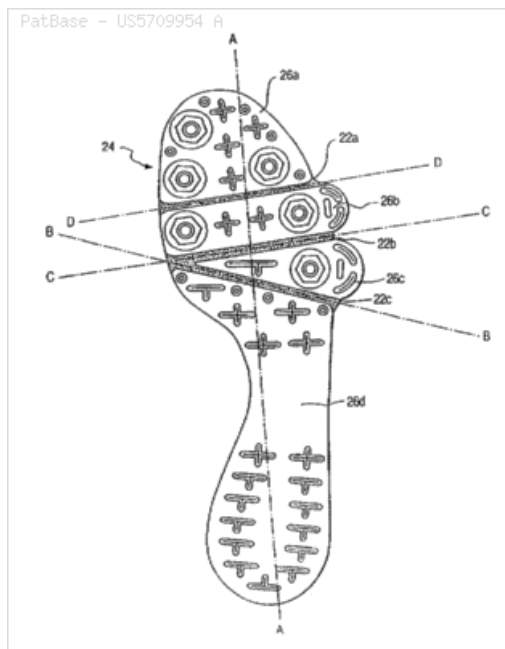
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US: 12/142R 12/142RJ 12/142RS 12/146B 12/146BR 139/422

156/324.4 156/329 156/330 156/331.7 36/103 36/114 36/128 36/14

36/25R 36/31 36/32R 36/44 36/59R 428/212 428/327 428/420

428/492 428/500 428/52 12/142.0RS 12/146.0BR



Family:

Publication number	Publication date	Application number	Application date
US5843268 A	19981201	US19950441610	19950515
US5906872 A	19990525	US19950441631	19950515
US5709954 A	19980120	US19950441698	19950515
US5786057 A	19980728	US19950442355	19950516
WO9413164 A1	19940623	WO1993US11973	19931209

Priority:

US19920986046 19921210 US19950441698 19950515 US19950441610 19950515
US19950441631 19950515 US19950442355 19950516

Probable Assignee: UBATUBA LLC

Assignee(s): (std): NIKE INC ; NIKE INC AND NIKE INT ; NIKE INC AND NIKE INTERNATIONA ; NIKE INC AND NIKE INTERNATIONAL ; NIKE INT LTD ; NIKE INTERNATIONAL LTD

Assignee(s): GANZ LAW PC ; LYDEN ROBERT M ; NIKE INC AND NIKE INT LTD ; NIKE INC AND NIKE INTERNATIONAL LTD ; UBATUBA LLC

Inventor(s): (std): BUCK CALVIN M IV ; BUCK IV CALVIN M ; CHRISS HENRY T ; LYDEN ROBERT M ; MCLAUGHLIN ROSS A ; POTTER DANIEL R ; VINCENT STEPHEN M ; VINCENT STEVEN M

Inventor(s): BUCK CALVIN M

Designated states: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

20) Family number: 46817350 (US2012034833 AA)

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Title: COMPOSITE COMPONENTS AND HEAT-CURING RESINS AND ELASTOMERS

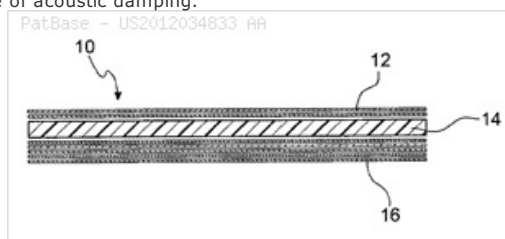
Abstract: A plastic composite component which is formed by a thin hard plastic outer layer, at least one elastomer layer adjoining the former on the inside, and at least one metal and/or plastic carrier layer adjoining said elastomer layer on the inside and made of a fibre reinforced plastic (FRP). A carbon fibre reinforced plastic (CRP) or glass fibre reinforced plastic (GRP), is arranged on the component or at least partly forms the latter, as an impact protection part, as a splinter protection part, as a protective part against sudden total failure or as a protective part against vibrations and vibration damage, against resonance, for the purpose of damping oscillations or for the purpose of acoustic damping.

Classifications:

International (ipc 8-9): A61F2/50 A63C11/22 A63C5/12 A63C5/14 B29C70/00 B29C70/08 B32B17/02 B32B17/04 B32B25/00 B32B25/02 B32B25/08 B32B25/10 B32B25/12 B32B27/00 B32B27/04 B32B9/04 B60R13/02 B60R21/00 B60R25/04 B60R25/10 B61D17/00 B62D25/10 B62D29/00 B62D29/04 B62K19/16 B62K21/12 B63B3/68 B63B35/71 B63B35/79 B63B35/85 B63B5/00 B63B5/24 B63H16/04 B64C1/00 B64C1/12 B64C27/473 B64C39/00 B64C7/00 F03D F03D1/00 F03D1/06

CPC: A61F2002/5055 A61F2002/5056 A63C11/227 A63C5/122 B29C70/086 B32B17/04 B32B25/08 B32B27/04 B60R2325/304 B60R25/04 B60R25/10 B63B3/68 B63B32/57 B63B34/20 B63B5/24 B63H16/04 B64C2027/4736 B64C27/473 F03D1/065 F05B2260/96 F05B2280/5001 F05B2280/6003 F05C2251/02 F05C2253/04 Y02E10/72 Y02T50/40 Y02T70/10 Y10T428/31504 Y10T428/31663 Y10T428/31826 Y10T428/31855 Y10T442/2926 A63C11/22

US: 1/1 428/411.1 428/411.100S 428/447 428/447S 428/492 428/492S 428/500 428/500S 442/172 442/172P



Family:

Publication number	Publication date	Application number	Application date
BRPI1006676 A2	20160412	BR2010PI06676	20100414
CN102458839 A	20120516	CN201080024976	20100414
CN102458839 B	20150429	CN201080024976	20100414
DE202009006966 U1	20100902	DE200920006966U	20090514
DE502010008671 D1	20150219	DE201050008671T	20100414
DK2419272 T3	20150413	DK20100713853T	20100414

EP2419272 A2	20120222	EP20100713853	20100414
EP2419272 B1	20150107	EP20100713853	20100414
EP2886334 A1	20150624	EP20150150152	20100414
EP2886335 A1	20150624	EP20150150155	20100414
EP2886336 A1	20150624	EP20150150162	20100414
EP2886337 A1	20150624	EP20150150168	20100414
ES2534309 T3	20150421	ES20100713853T	20100414
IN08108DN2011 A	20121221	IN2011DN08108	20111019
JP2012523334 T2	20121004	JP20120505087T	20100414
US2012034833 AA	20120209	US20100263855	20100414
US2018208302 AA	20180726	US20180918225	20180312
WO10118860 A2	20101021	WO2010EP02293	20100414
WO10118860 A3	20111027	WO2010EP02293	20100414

Priority:

DE200920005438U 20090414 DE200920006966U 20090514 WO2010EP02293 20100414
EP20100713853 20100414 US20110263855 20111011 US20180918225 20180312

Probable Assignee: GUMMIWERK KRAIBURG GMBH AND CO KG

Assignee(s): (std): GUMMIWERK KRAIBURG GMBH AND CO K ; GUMMIWERK KRAIBURG GMBH AND CO KG ; PLENK FLORIAN ; SCHAUBE JENS ; ZAHN JUDITH

Inventor(s): (std): FLORIAN PLENK ; JENS SCHAUBE ; JUDITH ZAHN ; PLENK FLORIAN ; SCHAUBE JENS ; ZAHN JUDITH

Agent(s): KITA AOYAMA INT PATENT BUREAU; LEHMANN MARIA ISABEL; WIESE GERHARD

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

21) Family number: 46824478 (EP2229833 A1)

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Title: METHOD AND DEVICE FOR ATTENUATING AND FILTERING VIBRATIONS TRANSMITTED TO A USER BY AN ITEM OF FOOTWEAR

Abstract: The method involves providing a damping function between an inner sole (1) of a shoe contacted with foot of a user and a rigid external sole (2) contacted with the ground at time of walk by a dissipative element (3). A stiffness of an assembly is nonlinear and applied on the level of effort applied on the sole at the time of the contact on the ground to limit relative displacements between the inner sole and the external sole so as to ensure a static behavior guaranteeing the rigidity of the shoe. The dissipative element is made of converter material comprising viscoelastic or viscoplastic materials, piezoelectric materials, magnetostrictive materials or nanoporous materials. An independent claim is also included for a device for attenuating and filtering vibration of shock wave of a shoe transmitted to foot of a user.

Classifications:

International (IPC 8-9): A01L7/00 A01L7/02 A41D17/00 A41D19/015 A43B13/14 A43B13/18 A43B21/00 A43B21/26 A61H3/00 A61H3/02 F16F15/00

CPC: A01L7/02 A43B1/0054 A43B13/181 A43B13/187 A43B13/189 A43B21/26 A43B3/0005

PatBase - EP2229833 A1

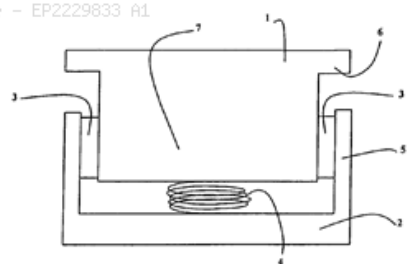


Figure 1

Family:

Publication number	Publication date	Application number	Application date
EP2229833 A1	20100922	EP20100290101	20100301
FR2942698 A1	20100910	FR20090000971	20090304
FR2942698 B1	20110729	FR20090000971	20090304

Priority:

FR20090000971 20090304

Probable Assignee: CAP K TECHNOLOGIES

Assignee(s): (std): CAP K TECHNOLOGIES ; INST SUPERIEUR DES MATERIAUX D ; INST SUPERIEUR DES MATERIAUX DU MANS ISMANS ; ISMANS INST SUPERIEUR DES MATE

Assignee(s): INSTITUT SUPERIEUR DES MATERIAUX DU MANS ISMANS ; ISMANS ; ISMANS INSTITUT SUPERIEUR DES MATERIAUX ET MECANIKES AVANCES ; SUPERIEUR DES MATERIAUX DU MANS ISMANS INST

Inventor(s): (std): CAPDEPUY MARC ; LE MEHAUTE ALAIN

Inventor(s): ALAIN LE MEHAUTE ; MARC CAPDEPUY

Agent(s): CABINET CELANIE; CELANIE CHRISTIAN

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

22) Family number: 66279424 (MX2015015087 A1)

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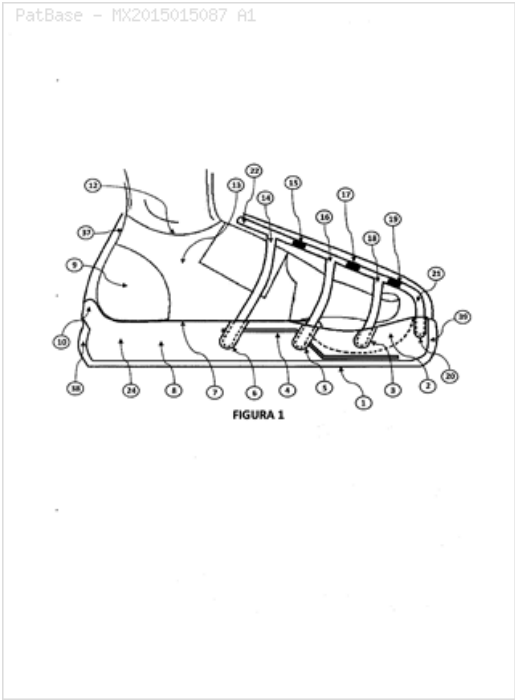
Title: FOOTWEAR TO DECREASE STRESS AND PAIN IN PATIENTS WITH METATARSOPHALANGEAL CONDITIONS.

Abstract: The present invention relates to a shoe-type, foot-adjustable mechanical device, which is useful as a mobility aid when the foot suffers from metatarso-phalangeal conditions, e.g. gouty arthritis, Morton's neuroma, metatarsalgia, and sesamoiditis. The device or footwear covers the whole foot including the tarsus and metatarso-phalangeal area mainly

operating therein. The device comprises five central parts: the sole (1), the midsole (8), a foot fastening element (13), a protection element against accidental trauma (22), and an anti-bending or limited-torsion element (4). Said arrangement allows the device to give a non-stress mobility by minimizing the contact between the foot metatarsus and toes with the shoe structure itself, thus protecting it from accidental traumatisms.

Classifications:

International (IPC 8-9): A43B7/14



Family:

Publication number	Publication date	Application number	Application date
MX2015015087 A1	20170428	MX20150015087	20151029

Priority:

MX20150015087 20151029

Probable Assignee: UNIV POLITECNICA DE PACHUCA

Assignee(s): (std): UNIV POLITECNICA DE PACHUCA

Assignee(s): UNIVERSIDAD POLITECNICA DE PACHUCA

Inventor(s): (std): ANDRES SANTILLAN TAPIA ; ARTURO CADENA RAMIREZ ; GREGORIO RODRIGUEZ NAVARRO ; ISAMAR GUADALUPE HERNANDEZ TAVERA ; IZTMITL ORTIZ HERNANDEZ ; JOSE MIGUEL MONTES DE OCA ISLAS