

Title: THREE WHEEL ROLLER SKATE

Abstract: A three wheel roller **skate** (10) that can be better maneuvered than a four wheel roller **skate**, yet allowing an inexperienced or beginner roller **skater** (16) to enjoy roller skating. A built-in mechanism has three functions, which are: function 1, to lock all wheels (20), (22) in a stop position; function 2, to unlock all wheels (20), (22) in a free rotation position; and function 3, to prevent the front wheels (22) from rotating backwards in an anti-reverse position.

Classifications:

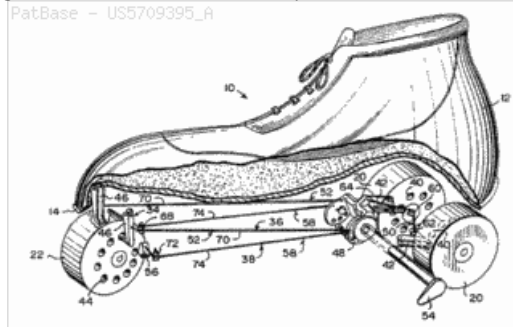
International (IPC 8-9): A63C17/04 A63C17/14 (Advanced/Invention); A63C17/00 A63C17/04 (Core/Invention)

International (IPC 1-7): A63C17/04 A63C17/14 A63C17/20

CPC: A63C17/1427 A63C17/20 A63C17/04

European: A63C17/04 A63C17/14D

US: 188/69 280/11.19 280/11.2 280/11.201 280/11.204 280/11.21
280/112



Family:

Publication number	Publication date	Application number	Application date
US5709395 A	19980120	US19960586367	19960116

Priority:

US19960586367 19960116

Probable Assignee:

LEE CHARLES

Assignee(s): (std):

LEE CHARLES

Inventor(s): (std):

LEE CHARLES

Title: MOTION **STILTS** RETENTION SYSTEM

Abstract: Motion or velocity **stilts** are provided a strapping system for attachment of the leg and foot of a user. An upper knee cuff uses dual straps that enwrap the leg and are secured by a front buckle and perimeter lengths of hook and loop fasteners. The hook and loop fasteners enable fore and aft leg positioning adjustments. The upper cuff is attached to the spring support utilizing a pair of knee braces that permit pivoting of the knee cuff as well as width adjustment for variation in user knee and leg diameters. The lower strapping system utilizes separate heel, instep, and toe straps to secure the foot to a foot plate.

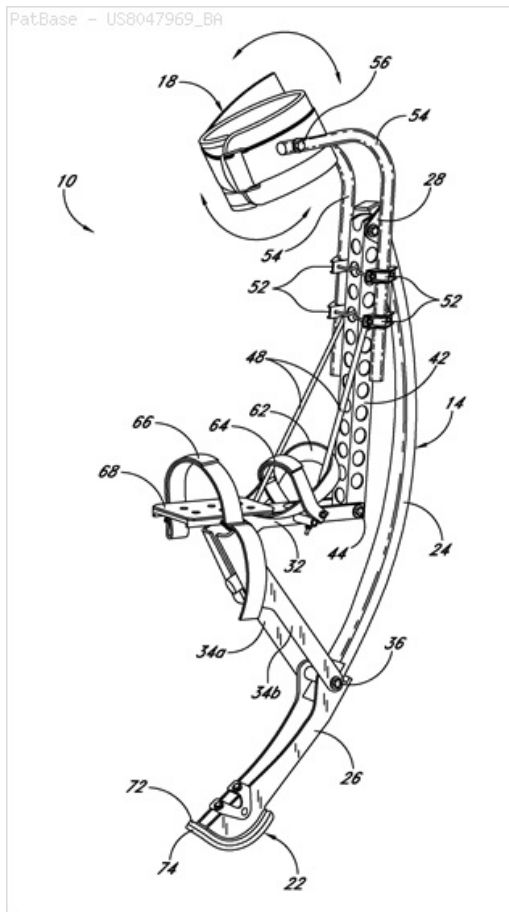
Classifications:

International (IPC 8-9): A63B25/00 (Advanced/Invention)

CPC: A63B25/02 A63B25/10

European: A63B25/02 A63B25/10

US: 482/75

**Family:**

Publication number	Publication date	Application number	Application date
US8047969 BA	20111101	US20080249848	20081010

Priority:

US20070979038P 20071010 US20080249848 20081010

Probable Assignee: JAY JEFFREY T

Assignee(s): (std): JAY JEFFREY T

Inventor(s): (std): JAY JEFFREY T

Agent(s): KENEHAN AND LAMBERTSEN LTD; JOHN C

3) Family number: 4508136 (US5002294A)

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Title: Springboard device and conversion attachment for **skateboard**

Abstract: Front and rear springboard assemblies having telescoping members biased apart by springs are provided for attachment at front and rear positions to a **skateboard**-like deck to provide a springboard device which can be moved forward along a path by successive leaps and bounds. In one embodiment, the assemblies are configured as attachments to be mounted on a conventional **skateboard** in place of wheeled trucks. In another embodiment, the assemblies are configured to serve as spring-loaded mounts onto which wheeled trucks are attached.

Classifications:

International (IPC 8-9): A63B25/10 A63B69/00

A63C17/01 (Advanced/Invention);

A63B22/16 (Advanced/Non-invention);

A63B25/00 A63B69/00 A63C17/00 (Core/Invention);

A63B22/00 (Core/Non-invention)

International (IPC 1-7): A63C17/02

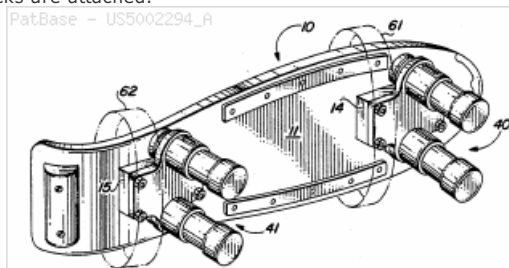
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European: A63B25/10 A63B69/00U A63C17/00B A63C17/01

K63B209/10 K63B22/16

US: 280/1.182 280/7.15 280/87.042 482/77

PatBase - US5002294_A

**Family:**

Publication number	Publication date	Application number	Application date
US5002294 A	19910326	US19890430522	19891101
US5080382 A	19920114	US19910674847	19910325

Priority:

US19890430522 19891101 US19910674847 19910325

Probable Assignee: FRANZ DAVID H

Assignee(s): (std): FRANZ DAVID H

Inventor(s): (std): FRANZ DAVID H

Title: MINI-THEATRE AND FRAME ASSEMBLY THEREFOR

Abstract: A mini-theatre suitable for use in the living room of a home is assembled by releasable connection of the rear support unit (37) to a front support unit (36) of a frame assembly (35). The rear support unit (37) is adapted to support at least a first person in a position which allows that person to operate an entertainment device such as a video game mounted within the frame assembly. The frame assembly includes cover means (44) to removably cover substantially the entire frame assembly thereby to increase the ambience of a player's experience. In particular forms at least the rear support unit is foldable or otherwise disassemblable in order to provide convenient stowage whilst leaving the front support unit in place.

Classifications:

International (IPC 8-9): A47B81/06 A63F13/08

A63F13/90 (Advanced/Invention);

A47B81/00 A63F13/08 (Core/Invention)

International (IPC 1-7): A47B81/06 A63F13/08 A63F9/22

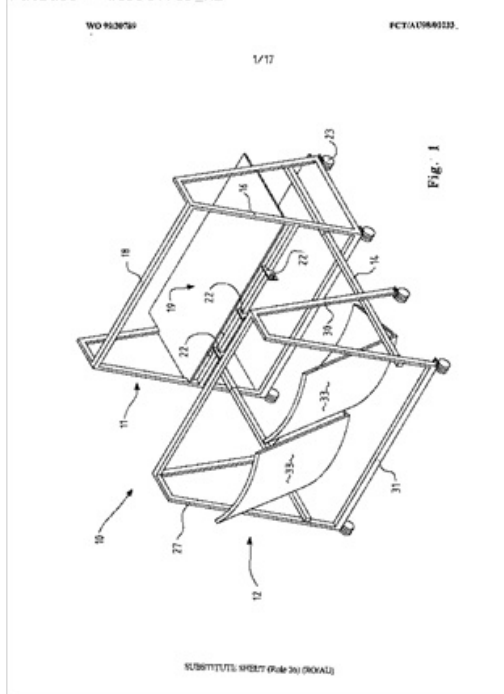
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A63F2300/8017 A63F13/90 A47B81/06

European: A47B81/06 A63F13/08 K63F300/10S K63F300/30F

K63F300/80D

PatBase - WO9930789_R1



Family:

Publication number	Publication date	Application number	Application date
AU199916497 A1	19990705	AU19990016497	19981215
AU2004200525 AA	20040311	AU20040200525	20040213
AU2004200525 BB	20060907	AU20040200525	20040213
AU2006100105 AD	20060309	AU20060100105	20060210
AU2006100105 BD	20060907	AU20060100105	20060210
AU2006249250 AA	20070104	AU20060249250	20061207
AU698485 B1	19981029	AU19970048391	19971215
AU698485 B3	19981029	AU19970048391	19971215
AU773219 B2	20040520	AU19990016497	19981215
AU773219 C	20070208	AU19990016497	19981215
WO9930789 A1	19990624	WO1998AU01033	19981215

Priority:

AU19970048391 19971215	AU19990016497 19981215	WO1998AU01033 19981215
AU20040200525 20040213	AU20060100105 20060210	AU20060249250 20061207
AU20060249250 20061207		

Probable Assignee: PHILLIP HOURIGAN

Assignee(s): (std): HOURIGAN PHILLIP ; HOURIGAN PHILLIP CRAIG ; PHILLIP HOURIGAN

Assignee(s): PHILLIP CRAIG HOURIGAN

Inventor(s): (std): HOURIGAN PHILLIP CRAIG

Inventor(s): PHILLIP CRAIG HOURIGAN

Agent(s): WALLINGTON DUMMER; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK 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 MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

Title: THE PLAYING APPARATUS WHICH IT WALKS

Abstract: A **stilt**, on which the wearer can walk, play, and balance. The **stilt** includes upper and lower poles, which are detachable from each other, the lower pole having a foothold; a globe connector having a connecting bar in the upper portion thereof, the connecting bar detachably coupling with the lower pole, and a globe in the lower portion thereof; a hollow holder, which surrounds an outer circumference of the globe of the globe connector, so that the globe is freely rotatable inside the hollow holder; and a spring interposed between the lower pole and the hollow holder to provide elastic force to the lower pole when it is oblique relative to a treading surface. The **stilt** can move as smoothly as a human joint using the globe connector

and the spring, and can provide body balancing ability and pleasure to the user.

Classifications:

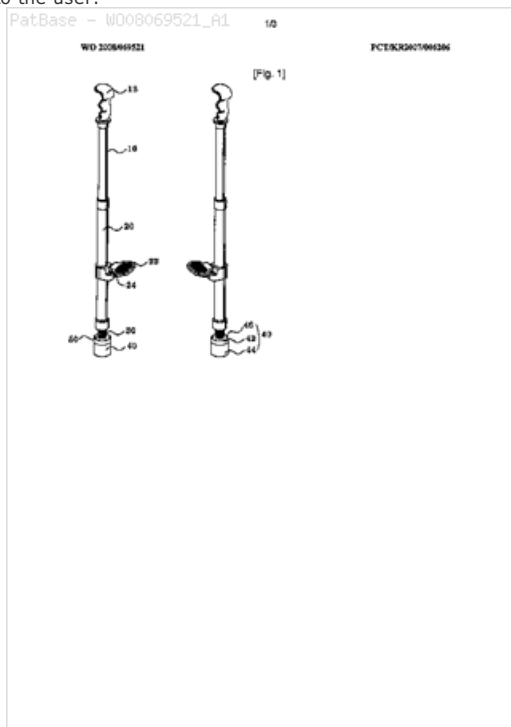
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A63B25/02 (Advanced/Non-invention);

A63B25/00 (Core/Invention)

CPC: A63B25/02

European: A63B25/02



Family:

Publication number	Publication date	Application number	Application date
KR100765417 B1	20071012	KR20060121467	20061204
WO08069521 A1	20080612	WO2007KR06206	20071203

Priority:

KR20060121467 20061204

Probable Assignee: HAN GYENG SUG

Assignee(s): (std): HAN GYENG SUG ; KIM EUN SOON ; PARK EUN YOUNG

Inventor(s): (std): HAN GYENG SUG ; KIM EUN SOON ; PARK EUN YOUNG

Agent(s): PUKYUNG INTERNATIONAL PATENT AND LAW FIRM

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 KZ LA LC LK LR LS LT LU LV LY MA MC MD ME 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

6) Family number: 30734528 (US2004140634A)

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Title: TURNABLE WHEELED **SKATE**

Abstract: A turnable wheeled **skate** having first and second wheels. The first and second wheels may be located fore and aft of the foot receiving portion of the **skate** and one, the other or both may be turnable. Several embodiments are disclosed including, but not limited to, a **skate** that is turnable by tilting the **skate** perpendicular to a line-of-direction or that provides turnable, paired wheels or that receives a users foot at a level below the top of the first and second wheels. The **skate** may provide a skating experience that more closely approximates ice-skating.

Classifications:

International (IPC 8-9): A63C17/00 A63C17/04

A63C17/14 (Advanced/Invention);

A63C17/00 A63C17/04 (Core/Invention)

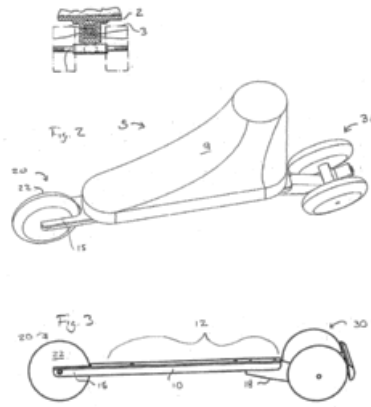
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CPC: A63C17/0093 A63C17/04 A63C17/1409 A63C2017/1472

European: A63C17/00U A63C17/04 A63C17/14B K63C17/14I

US: 280/11.19 280/11.212 280/11.212P 280/11.27 280/11.270P

FIG. 1 (Prior Art)

**Family:**

Publication number	Publication date	Application number	Application date
US2004140634 AA	20040722	US20030347506	20030117
US2005116430 AA	20050602	US20040010207	20041210
US7306240 BB	20071211	US20040010207	20041210

Priority:

US20030347506 20030117 US20040010207 20041210

Probable Assignee:

CHEN SHANE

Assignee(s): (std):

CHEN SHANE ; CHEN YWANNE Y

Inventor(s): (std):

CHEN YWANNE Y ; CHEN SHANE

Agent(s):

STEVEN J ADAMSON PC; STEVEN J

7) Family number: 40797636 (US2007203727A)

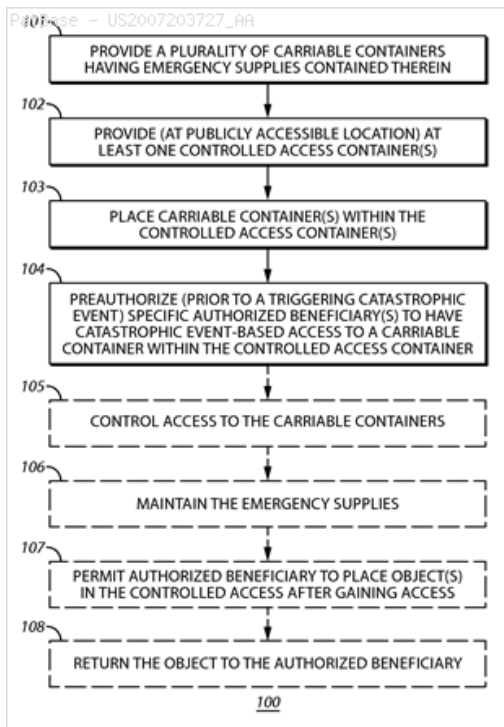
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Title: EMERGENCY SUPPLIES PRE-POSITIONING AND ACCESS CONTROL METHOD

Abstract: One provides (101) a plurality of carriable containers having emergency supplies contained therein wherein each of these carriable containers is readily carriable by an average adult human. These carriable containers are then placed (103) within one or more corresponding controlled access containers as are provided at one or more publicly accessible locations (102). Prior to a triggering catastrophic event, one or more specific authorized beneficiaries are then preauthorized (104) to have catastrophic event-based access to one or more of these carriable containers. So configured, the authorized beneficiary(s) will in turn have access to the corresponding emergency supplies that are contained within the carriable container when a triggering catastrophic event occurs.

Classifications:

International (IPC 8-9): A01B71/06 A45F5/00 A47F1/04 A61B17/3213 A61B5/00 B01D46/00 B42D1/00 B60J1/00 B62D53/00 B62D59/04 B63B35/44 B65B3/04 B65G15/00 D02G3/00 E02D29/00 E04B1/00 E04B1/34 E04H1/00 E04H14/00 E04H9/00 F02M37/04 G01C21/20 G01T1/02 G05B19/418 G05B21/00 G05D1/02 G06F15/173 G06F17/30 G06F21/00 G06F9/44 G06F9/46 G06K7/01 G06Q10/00 G06Q30/00 G06Q30/06 G06Q40/00 G06Q50/00 G06Q50/26 G06Q90/00 G06Q99/00 G09B19/00 G21F3/00 H04H1/00 H04H20/59 H04L9/00 H04M11/04 (Advanced/Invention); G06Q90/00 (Advanced/Non-invention); A01B71/00 A45F5/00 A47F1/00 A61B17/32 A61B5/00 B01D46/00 B42D1/00 B60J1/00 B62D53/00 B62D59/00 B63B35/44 B65B3/04 B65G15/00 D02G3/00 E02D29/00 E04B1/00 E04B1/34 E04H1/00 F02M37/04 G01C21/20 G01T1/02 G05B19/418 G05B21/00 G05D1/02 G06F15/16 G06F17/30 G06F21/00 G06F9/44 G06F9/46 G06Q10/00 G06Q30/00 G06Q40/00 G06Q50/00 G06Q99/00 G09B19/00 G21F3/00 H04H1/00 H04L9/00 H04M11/04 (Core/Invention)
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European: A45C15/00 A47K11/02C A61B19/02F A61B19/02P4D A62B1/02 A62B31/00 A62B99/00 B01D46/00D4 B01D46/00F60 B63C9/02 E04H9/06 E04H9/08 E04H9/12 E04H9/14 F41H5/24 G06F19/32G G06Q10/00 G06Q10/02 G06Q10/06 G06Q10/08 G06Q10/08E G06Q10/10 G06Q20/401 G06Q30/00 G06Q30/02



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434/236 434/236S 455/3.01 455/3.010 52/169.6 52/3 52/741.1 52/741.100S 52/745.05 52/745.050P 52/79.1 52/79.100S
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Family:

Publication number	Publication date	Application number	Application date
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US2007214729 AA	20070920	US20060535282	20060926
US2007215434 AA	20070920	US20060555896	20061102
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Priority:

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Probable Assignee: SOVEREIGN DEED LLC

Assignee(s): (std): BOTOS MATTHEW J ; MOORE BARRETT H ; SEIDEL GREGORY E ; SOVEREIGN DEED LLC

Inventor(s): (std): BOTOS MATTHEW J ; MOORE BARRETT H ; SEIDEL GREGORY E

Inventor(s): MOORE BARRETT

Agent(s): FITCH EVEN TABIN AND FLANNERY; KRATZ RUDY; KRATZ RUDY I; KRUEGER JAMES P; KRATZ RUDY I ET AL; SAMPLES KENNETH H ET AL

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 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

Abstract: Certain exemplary embodiments can provide a composition, system, machine, device, manufacture, circuit, and/or user interface adapted for, and/or a method and/or machine-readable medium comprising machine-implementable instructions for, activities that can comprise, after removing a cast device from a stack-lamination-derived mold, said cast device formed from a molding composition, applying a desired shape to said cast device to form a shaped cast device, said molding composition comprising: a ceramic composition comprising silica; an cycloaliphatic epoxy binder composition, said cycloaliphatic epoxy binder composition present in said molding composition in an amount up to 30 percent by weight of said molding composition; a silicone composition comprising a siloxane resin, said silicone composition present in said molding composition in an amount up to 30 percent by weight of said molding composition; and a solvent composition adapted to dissolve said cycloaliphatic epoxy binder composition and said silicone composition.

Classifications:

International (IPC 8-9): A61B6/00 B22C9/00 B22C9/04 B22C9/10 B23P15/24 B29C33/30 B29C33/38 B29C70/34 B32B3/10 C08K3/22 C08L63/00 C08L83/04 (Advanced/Invention);

A61B6/00 (Advanced/Non-invention);

A61B6/00 B22C9/00 B23P15/24 B29C33/30 B29C33/38

C08K3/00 (Core/Invention)

CPC: A61B6/4258 B23P15/246 B29C33/301 B29C33/38

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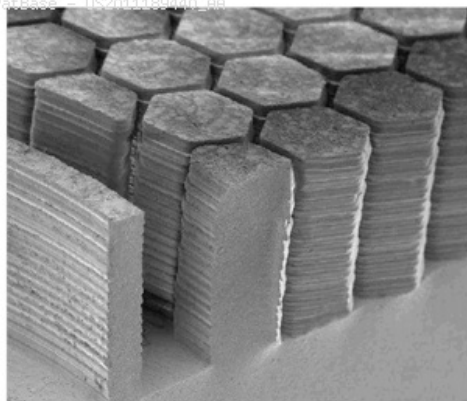
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B29C33/38F

US: 1/1 156/245 156/245S 164/369 428/134 428/156 428/156P

523/435 523/435S 523/458

PatBase - US2011189440_00

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Priority:

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Probable Assignee: UNITED TECHNOLOGIES CORP

Assignee(s): (std): APPLEBY MICHAEL ; FRASER IAIN ; MIKRO SYSTEMS INC ; PAULUS JOHN ; UNITED TECHNOLOGIES CORP

Inventor(s): (std): APPLEBY MICHAEL ; APPLEBY MICHAEL P ; FRASER IAIN ; PAULUS JOHN

Agent(s): CHAILLOT GENEVIEVE; Vigars Christopher Ian; VIGARS CHRISTOPHER IAN; MICHAEL HAYNES PLC; MICHAEL N; CANTOR COLBURN LLP; HAYNES MICHAEL

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 TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

9) Family number: 29442940 (US2003128812A)

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Title: DEVICES, METHODS, AND SYSTEMS INVOLVING CAST COLLIMATORS

Abstract: Certain exemplary embodiments of the present invention comprise a cast collimator descended from a stack lamination mold, said mold comprising a plurality of metallic foils. Certain embodiments of the present invention comprise a method comprising filling a mold having a stacked plurality of micro-machined metallic foil layers with a first casting material to form a first cast product; demolding the first cast product from the mold; filling the first cast product with a second casting material to form a cast collimator; and demolding the cast collimator from the first cast product. It is emphasized that this abstract is provided to comply with the rules requiring an abstract that will allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. This abstract is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims. 37 CFR 1.72(b).

Classifications:

International (IPC 8-9): A61B6/00 A61B6/03 B22C9/00 B22D19/00 B22D23/00 B22D29/00 B23P15/24 B28B21/42 B28B7/20 B28B7/24 B28B7/28 B29C33/00 B29C33/12 B29C33/30 B29C33/38 B29C33/40

B29C33/42 B29C33/44 B29C39/02 B29C39/10 B29C39/34

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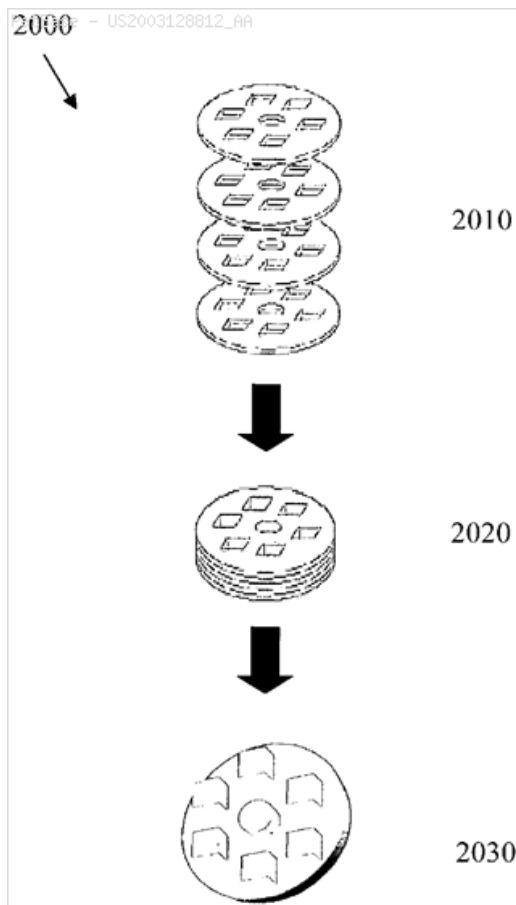
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H01J5/18 (Advanced/Invention);

B29C33/42 B29C47/00 B29C64/00 B29C67/00 B29K83/00

B29L31/00 (Advanced/Non-invention);

B28B21/00 B29C33/38 B29C39/02 B29C39/34 B29C69/00 G02B5/00
G21K1/00 G21K1/02 (Core/Invention);
B29C33/42 B29C67/00 (Core/Non-invention)
International (IPC 1-7): B29B13/00 B29C33/38 B29C33/40
B29C39/10 B29C39/34 F21V11/14 G21K1/00 G21K1/02
CPC: B23P15/246 B29L2031/756 G03F7/0017 A61B6/4258
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US: 1/1 156/245 164/129 164/131 164/131S 164/6 164/6S 249/117
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Publication number	Publication date	Application number	Application date
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WO02098624 C1	20040415	WO2002US17936	20020605

Priority:

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Probable Assignee: UNITED TECHNOLOGIES CORP**Assignee(s):** (std): APPLEBY MICHAEL ; APPLEBY MICHAEL P ; ATKINSON JAMES E ; FRASER IAIN ; MIKRO SYSTEMS INC ; TECOMET INC ; UNITED TECHNOLOGIES CORP ; UNITED TECH CORP**Assignee(s):** MIKRO SYSTEMS INC CHARLOTTESVILLE ; FRASTER LAIN ; GCI CAPITAL MARKETS LLC ADMINISTRATIVE AGENT AS ; CIT HEALTHCARE LLC AGENT AS ; CIT HEALTHCARE LLC AS AGENT**Inventor(s):** (std): APPLEBY MICHAEL ; APPLEBY MICHAEL P ; ATKINSON JAMES E ; FRASER IAIN ; FRASTER LAIN ; KLINGER JILL E ; RANDOLPH WILLIAM T**Inventor(s):** FRASER IAIN RUCKERSVILLE ; ATKINSON JAMES E CHARLOTTESVILLE ; APPLEBY MICHAEL P CHARLOTTESVILLE ; ATKINSON JAMES**Agent(s):** KIRBY EADES GALE BAKER; CABINET CHAILLOT; ASQUITH JULIAN PETER; MICHAEL N HAYNES; MICHAEL HAYNES PLC; MICHAEL N; HAYNES MICHAEL N; JENSEN DALE R; DALE R; BAKER AND HOSTETLER LLP; CANTOR COLBURN LLP**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 TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW**10) Family number: 5050961 (US4596387A)**

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Title: EXERCISE HANDLES FOR ATHLETIC SHOES**Abstract:** The invention comprises flexible handles which are adjustable in length, and which are attached to athletic shoes. The handles may be attached at various points on each shoe, adjusted to the desired length, and the wearer can grasp the handles to aid and augment exercises, and muscle toning routines.**Classifications:****International (IPC 8-9):** A63B23/12 (Advanced/Invention);

A63B23/00 (Advanced/Non-invention);

A63B23/035 (Core/Invention);

A63B23/00 (Core/Non-invention)

International (IPC 1-7): A63B21/18**CPC:** Y10S273/18 Y10S273/30 A63B2023/006 Y10T24/2183

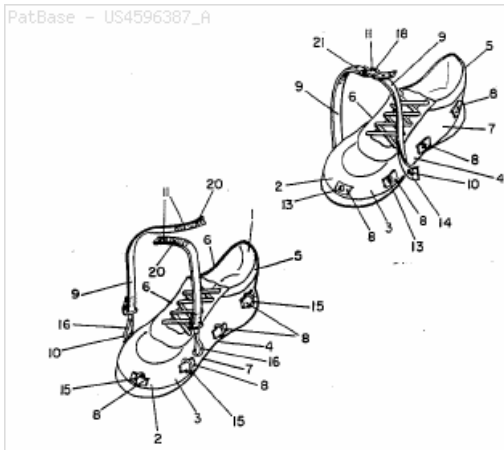
A63B21/4017 A63B21/4011 A63B21/4035

European: A63B21/14A7 A63B21/14A8 A63B21/14K4H K63B23/00B**US:** 128/25B 24/68.0SK 24/68SK 272/116 272/125 272/143 272/93

272/96 273/DIG.18 273/DIG.3 273/DIG.30 36/114 36/132 482/139

482/148 601/23

PatBase - US4596387_A

**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

US19840675550 19841128

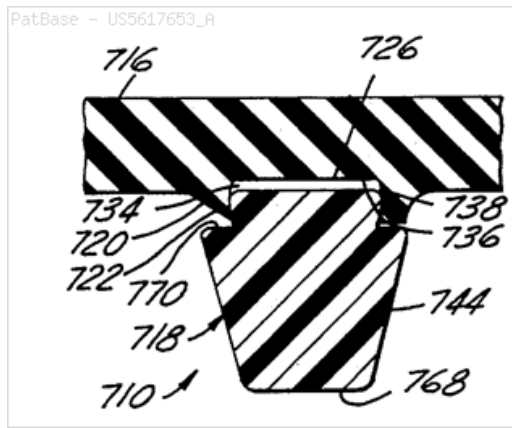
Probable Assignee: ROBERTS PATRICK S**Assignee(s):** (std): ROBERTS PATRICK S**Assignee(s):** NATIONAL INST ; NATIONAL INSTITUTES OF HEALTH ; NATIONAL INSTITUTES OF HEALTH (NIH) US DEPT OF HEALTH AND HUMAN SERVICES (DHHS) US GOVERNMENT ; NATIONAL INSTITUTES OF HEALTH NIH US DEPT OF HEALTH AND HUMAN SERVICES DHHS US GOVERNMENT**Inventor(s):** (std): ROBERTS PATRICK S**11) Family number: 10767998 (US5617653A)**

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Title: BREAK-AWAY CLEAT ASSEMBLY FOR ATHLETIC SHOE**Abstract:** A cleat assembly for athletic shoes to reduce injuries to athletes. The cleat assembly includes a base assembly and a cleat which is releasably coupled to the base assembly in response to a predetermined force extending substantially lateral to the longitudinal axis of the cleat for reducing injuries. The cleat can be either a rotational cleat or a stationary cleat. The base assembly can be integrally formed with the sole of the athletic shoe or formed as a separate element.**Classifications:****International (IPC 8-9):** A43B13/26 A43C15/16 (Advanced/Invention);

A43B13/14 A43C15/00 (Core/Invention)

International (IPC 1-7): A43B5/00 A43C15/00 A43C15/16 A43D5/00**CPC:** A43B3/0047 A43C15/161 A43B13/26 A43C15/162**European:** A43B13/26 A43C15/16A A43C15/16C**US:** 36/114 36/128 36/134 36/59R

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Publication number	Publication date	Application number	Application date
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EP0636005 A1	19950201	EP19920912700	19920414
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US5617653 A	19970408	US19950416219	19950404
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WO9409659 A1	19940511	WO1993US10245	19931026

Priority:

US19910689702	19910415	WO1992US03053	19920414	US19920967618	19921028
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Probable Assignee: ANDREW S WALKER**Assignee(s):** (std): ANDREW S WALKER ; WALKER ANDREW S**Assignee(s):** GOODING ELWYN**Inventor(s):** (std): GOODING ELWYN ; WALKER ANDREW S**Inventor(s):** ELWYN GOODING

Designated states: AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CZ DE DK ES FI FR GA GB GN GR HU IE IT JP KP KR KZ LI LK LU LV MC MG ML MN MR MW NE NL NO NZ PL PT RO RU SD SE SK SN TD TG UA VN