

Search history

Search 1: TAC=((Spinal OR scoliosis) near (support OR brace)) and PD<20130506 and IC=(A61F5) (Results 253)
Search 2: 1 AND (FT= (vertical* OR upward*) w5 (carrier OR support OR bar)) (Results 55)
Search 3: 2 AND (FT= hip and (belt OR strap)) (Results 10)

Title: Improvements in methods of, and means for immobilising the lungs, or portions thereof

Abstract: Source: GB198030A 198,030. Stewart, S. H., and Salt and Son, Ltd. Feb. 20, 1922. Respiration, appliances for promoting body supports. -An appliance for restraining the action of parts of the lungs and serving also as a **spinal support** comprises non- rigid **supporting** and compressing means taking its required support and counter pressure from the pelvic bone. The appliance consists of front and back levers 1, 2 which are pivotally connected to the upper parts 3 of a U-shaped member 3 secured to a **hip** pad 4 and are provided at their lower ends with flexible, adjustable connections 5 to the member 3. **Belts** 6 and shoulder **straps** 7, 7a are connected to the levers 1, 2 to compress the lungs. Counter pressure is taken from a **hip** pad 9 on the opposite side of the body. The pad 9 is held in place by **straps** 10, 11, 16, 17 and by a leg band 15 connected to a lever 14 pivotally connected to the pad 9. The pad 9 encloses a V-shaped steel stiffener. In place of the **strap** 7a a number of **straps** may be employed in conjunction with a pad to put pressure on the apex of the lung. The provisional Specification describes also the use of **hip** pads of leather or aluminium with padded projections to engage the pelvic bone and attached to a garment shaped to the **hips** and legs. the use of a number of springs to spread the pressure of the pad 4, and apparatus held in place by a single **hip** pad in conjunction with a shoulder pad.

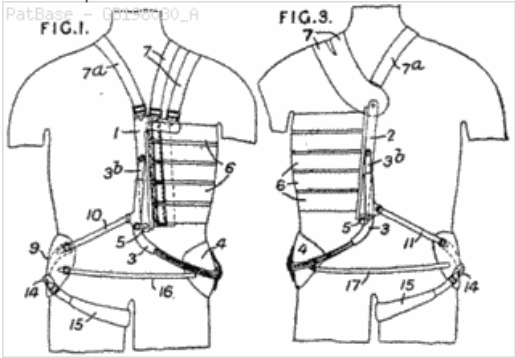
Classifications:

International (IPC 8-9): A61F5/30 (Advanced/Invention);
A61F5/01 (Core/Invention)

International (IPC 1-7): A61F5/02

CPC: A61F5/30

European: A61F5/30



Family:

Publication number	Publication date	Application number	Application date
GB198030 A	19230522	GB19220004886	19220220

Priority:

GB19220004886 19220220

Probable Assignee: SAMUEL HENRY STEWART
Assignee(s): (std): SALT AND SON LTD ; SAMUEL HENRY STEWART
Assignee(s): SALT AND SON LIMITED

Title: **SCOLIOSIS BRACE**

Abstract: Source: US2687129A (Claim 1) 1 Wherein said buckle is adjustably secured to said connecting bars by said fasteners whereby said tension **strap** may be vertically adjusted.

Classifications:

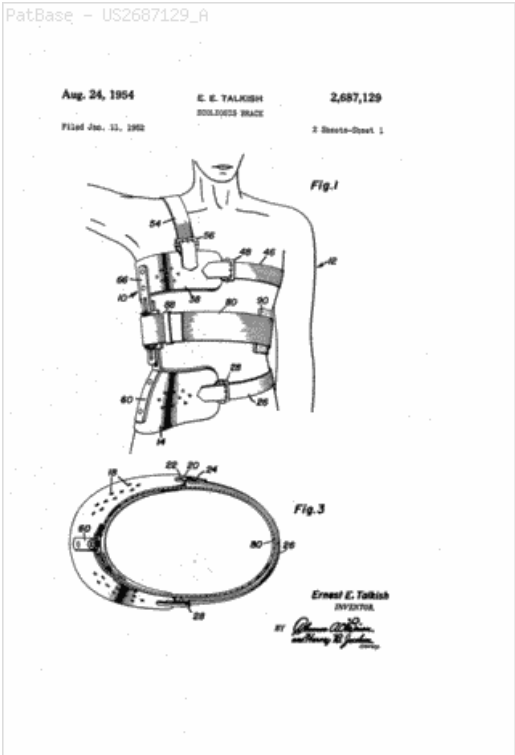
International (IPC 8-9): A61F5/02 (Advanced/Invention);
A61F5/02 (Core/Invention)

International (IPC 1-7): A61F5/03

CPC: A61F5/024

European: A61F5/02E

US: 602/19



Family:

Publication number	Publication date	Application number	Application date
US2687129 A	19540824	US19520265961	19520111

Priority:

US19520265961 19520111

Probable Assignee:

TALKISH ERNEST E

Assignee(s): (std):

TALKISH ERNEST E

Inventor(s): (std):

TALKISH ERNEST E

Title: Orthopedic brace (orthosis)

Abstract: Source: US3945376A An orthopedic **brace** for correction of **spinal** deformities is constructed forming a three dimensional space structure having a rigid pelvic band encompassing the **hip** portion of the pelvic region of the wearer. A pair of vertical posterior paraspinal upright members conforming to and following the general curvature of the back of the wearer at a nearly constant distance is secured at their lower ends to the pelvic band and an anterior vertical upright member conforming in general to the curvature of the chest of the wearer is secured to its lower end to the pelvic band. A sternal cross bar is fixedly secured to the upper end of the anterior upright member and a scapular cross bar is fixedly secured to the upper ends of the pair of posterior paraspinal upright members. A pair of curved shoulder bars, amply spaced from the shoulders, serve as a structural link between the sternal and scapular cross bars. A pair of flexible iliac crest members (segments) are securely fastened to an anterior (gusset type) closure plate at one end and to a posterior band at the other end. The anterior closure plate is attached to the anterior upright while the posterior band spaces and connects the posterior paraspinal uprights.

Classifications:

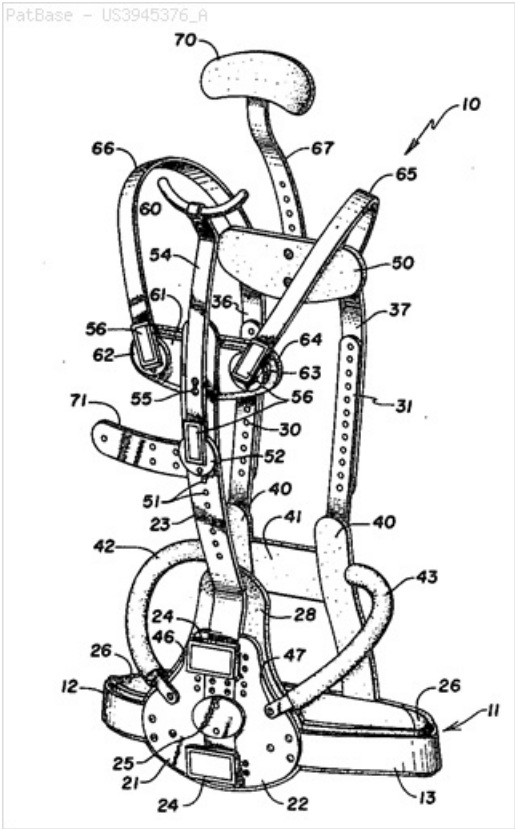
International (IPC 8-9): A61F5/02 (Advanced/Invention)

International (IPC 1-7): A61F5/01 A61F5/02

CPC: A61F5/024 A61F5/026

European: A61F5/02E A61F5/02F

US: 128/78 602/19



Family:

Publication number	Publication date	Application number	Application date
DE2556086 A1	19760708	DE19752556086	19751212
GB1529318 A	19781018	GB19750050891	19751211
US3945376 A	19760323	US19740532067	19741212

Priority:

US19740532067 19741212

Probable Assignee: BOCK ORTHOPAED IND

Assignee(s): (std): BOCK ORTHOPAED IND ; BOCK ORTHOPEDIC IND INC

Assignee(s): BOCK ORTHOPEDIC IND INC O ; OTTO BOCK ORTHOPEDIC INDUSTRY INC

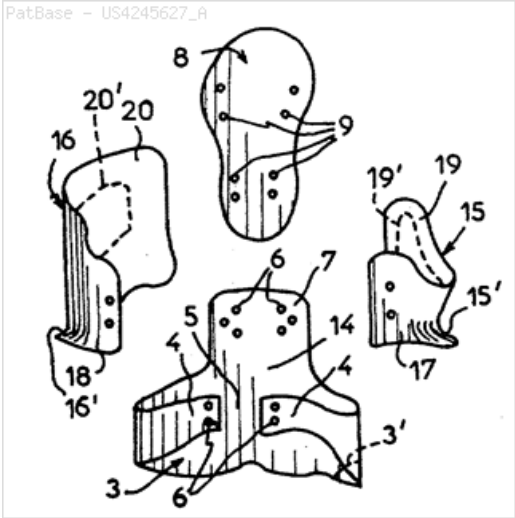
Inventor(s): (std): KUEHNEGGER WALTER ; KUEHNEGGER WALTER DR

Title: Orthopaedic apparatus for spinal treatment

Abstract: Source: US4245627A This invention relates to an orthopaedic apparatus for treatment of the spine. The apparatus is comprised of a pelvic girdle being supported on at least one trochanter, an abdominal plate and two lateral shells fixed directly onto the patient by all methods. This device, which can be completed by stiff rods and a system of removable neck and head **braces**, enables the **spinal** column to be corrected in the desired direction while leaving the patient great freedom of movement.

Classifications:

International (ipc 8-9): A61F5/00 A61F5/01 A61F5/02 A61F5/055 (Advanced/Invention);
A61F5/00 A61F5/01 A61F5/02 A61F5/04 (Core/Invention)
International (ipc 1-7): A61F5/00 A61F5/01 A61F5/02 A61H1/02
CPC: A61F5/024 A61F5/00 A61F5/01 A61F5/02 A61F5/026 A61F5/055
European: A61F5/00 A61F5/01 A61F5/02 A61F5/02E A61F5/02F A61F5/055
US: 128/78 602/19



Family:

Publication number	Publication date	Application number	Application date
AT8105 E	19840715	AT19790400908T	19791123
DE2921015 A1	19791129	DE19792921015	19790523
DE2921015 C2	19880811	DE19792921015	19790523
EP0016293 A1	19801001	EP19790400908	19791123
EP0016293 B1	19840627	EP19790400908	19791123
ES489780 A1	19801101	ES19800489780	19800321
ES8100071 A1	19810116	ES19800489780	19800321
FR2349321 A1	19771125	FR19760013210	19760430
FR2349321 B1	19800530	FR19760013210	19760430
FR2426453 A2	19791221	FR19780015496	19780523
FR2426453 B2	19821022	FR19780015496	19780523
FR2451739 A2	19801017	FR19790007735	19790323
FR2451739 B2	19830107	FR19790007735	19790323
JP1132604 C3	19830127	JP19800036802	19800321
JP55129054 A2	19801006	JP19800036802	19800321
JP57026777 B4	19820607	JP19800036802	19800321
US4245627 A	19810120	US19790041659	19790523

Priority:

FR19760013210 19760430 FR19780015496 19780523 EP19790400908 19791123
FR19790007735 19790323

Probable Assignee: MIGNARD JEAN BERCK PLAGE PAS DE CALAIS FR

Assignee(s): (std): MIGNARD JEAN ; MIGNARD JEAN LOUIS LAURENT LUC

Assignee(s): MIGNARD JEAN LOUIS LAURENT LUCIEN ; MIGNARD JEAN BERCK PLAGE PAS DE CALAIS FR ; JEAN MIGNARD

Inventor(s): (std): JIYAN MINIYAARU ; MIGNARD JEAN ; MIGNARD JEAN LOUIS LAURENT LUC

Inventor(s): MIGNARD JEAN LOUIS LAURENT LUCIEN ; MIGNARD JEAN PAS DE CALAIS FR

Designated states: AT BE CH FR GB IT LU NL SE

Title: Lumbar **spinal brace**

Abstract: Source: US4691696A A lumbar **spinal brace** comprises a **belt** adaptable to be wrapped into a generally round shape having left and right hand halves and a central axis dividing said halves, a first bracing structure extending from the **belt**, a contact point defined by the first bracing structure, said contact point being disposed upwardly and laterally from the central axis, the first bracing structure being resistant to rearward movement of the contact point, and, said first bracing structure comprising a support member extending from the **belt** and having an upper portion defining the contact point, and, a movement limiting structure connected to the support member and the **belt** for resisting rearward movement of the contact point.

Classifications:

International (IPC 8-9): A61F5/02 (Advanced/Invention);

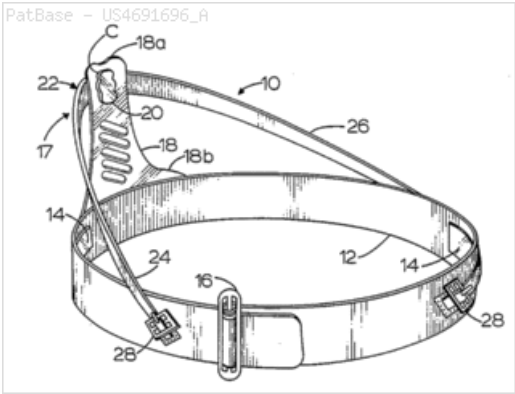
A61F5/02 (Core/Invention)

International (IPC 1-7): A61F5/02

CPC: A61F5/028

European: A61F5/02G

US: 128/78 128/95.1 602/19



Family:

Publication number	Publication date	Application number	Application date
US4691696 A	19870908	US19850697400	19850201

Priority:

US19850697400 19850201

Probable Assignee:

FARFAN AURELIE F

Assignee(s): (std):

102160 CANADA INC ; CANADA INC

Assignee(s):

FARFAN AURELIE F ; FARFAN AURELIE F BOX

Inventor(s): (std):

FARFAN DE LOS GODOS HENRY F

Title: SUPPORT **BELT** FOR THE LUMBAR VERTEBRAE

Abstract: Source: US5046488A A support **belt** adapted to encircle the waist, comprising a unitary structure of pliable, nonelastic material, and having a back section for spanning the lumbar vertebrae. **Strap** means extend obliquely from the back section to form a **belt**, when considered in elevational side view, of a truncated configuration.

Classifications:

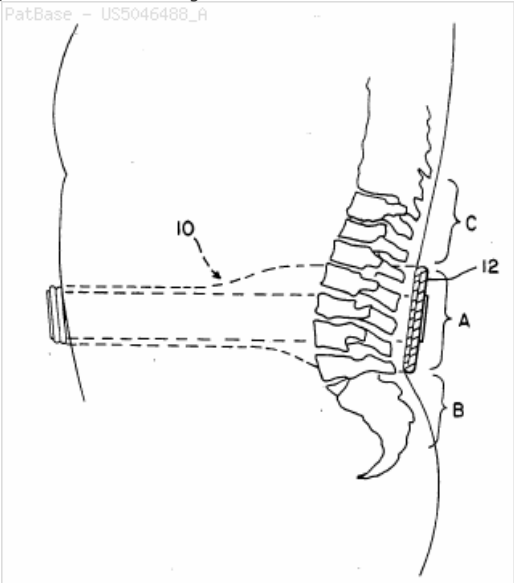
International (IPC 8-9): A61F5/02 (Advanced/Invention);
A61F5/02 (Core/Invention)

International (IPC 1-7): A61F5/02

CPC: Y10S2/908 A61F5/028

European: A61F5/02G

US: 128/78 2/338 2/44 2/908 272/143 482/106 482/139 602/19



Family:

Publication number	Publication date	Application number	Application date
US5046488 A	19910910	US19900491349	19900309

Priority:

US19900491349 19900309

Probable Assignee: SCHIEK SR JAMES W

Assignee(s): (std): SCHIEK SR JAMES W

Assignee(s): SCHIEK'S SPORTS INC ; SCHIEK'S SPORTS INC ; SCHIEK S SPORTS INC ; SCHIEK SPORTS INC ;
SCHIEK SPORTS INC A CORP OF WI

Inventor(s): (std): SCHIEK SR JAMES W

Title: Chiropractic brace

Abstract: Source: US5295947A A light weight, substantially rigid chiropractic brace is disclosed which provides support for the lumbar spine area of a human patient while being comfortably worn, even during ambulation. The chiropractic brace is a bi-valve system comprising a posterior support including a recessed portion thereof for aligning the lumbar vertebra and an anterior support including a portion for lifting the patient's abdominal region and locking out any vertical or lateral rocking motions. The chiropractic brace of the present invention also exerts a pelvic tilt to the patient thereby substantially eliminating torque on the lumbar vertebra. The brace aids the body's natural healing process by preventing adverse forces from affecting an injured area.

Classifications:

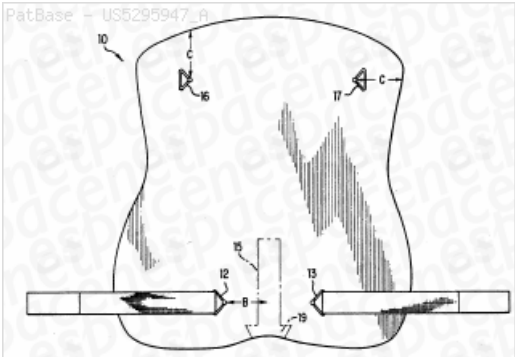
International (IPC 8-9): A61F5/02 (Advanced/Invention)

International (IPC 1-7): A61F5/00

CPC: A61F5/022 A61F5/028

European: A61F5/02D A61F5/02G K61F5/02G1A1

US: 602/19 602/5



Family:

Publication number	Publication date	Application number	Application date
US5295947 A	19940322	US19920875324	19920429
US5569171 A	19961029	US19950488895	19950612

Priority:

US19920875324 19920429 US19940189689 19940201 US19950488895 19950612

Probable Assignee: H E STANLEY LAB

Assignee(s): (std): H E STANLEY LAB ; MUNCY RON

Assignee(s): GLOBAL MEDICAL GROUP INC ; GREENWALT R MAX ; GREENWALT R MAX SUITE ; HE STANLEY LABORATORIES A OF FLORIDA 101 ORANGE CO ; HE STANLEY LABORATORIES ; H E STANLEY LABORATORIES

Inventor(s): (std): MUNCY RON

Title: **Spinal support** with armpit and **hip** supports and **belt**

Abstract: Source: DE19850993A1 A spine **support** comprises two **vertical support carriers** (b) made of metal or plastic, which have a length adjustment, armpit supports (a) at the top, and a **hip** molding (c) held in place by a **belt**. The armpit supports and **hip** moldings locate against fixed points and allow the spine to be adjusted, and, in the case of worn discs, pain to be reduced.

Classifications:

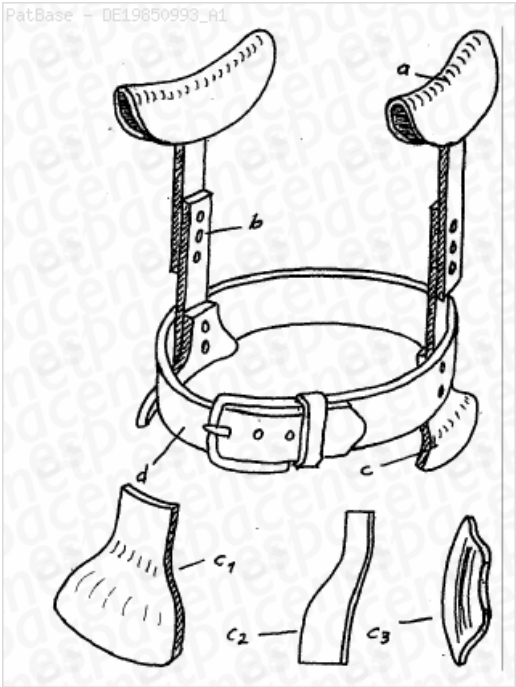
International (IPC 8-9): A61F5/02 (Advanced/Invention);

A61F5/02 (Core/Invention)

International (IPC 1-7): A61F5/01

CPC: A61F5/026

European: A61F5/02F



Family:

Publication number	Publication date	Application number	Application date
DE19850993 A1	19990429	DE19981050993	19981105

Priority:

DE19981050993 19981105

Probable Assignee: LESSAU KURT

Assignee(s): (std): LESSAU KURT

Assignee(s): LESSAU KURT 53842 TROISDORF DE

Inventor(s): (std): LESSAU KURT

Inventor(s): LESSAU KURT 53842 TROISDORF DE

Title: Lifting mechanism for a traction device

Abstract: Source: US2002123705A An ambulatory traction device includes a first support configured to be positioned on a user's body and a second support configured to be positioned on the user's body spaced apart from the first support such that a joint of the user's body is positioned between the first and second supports. The traction device also includes one or more lifting mechanisms that couple the supports and that apply a decompressive force to the joint when the supports are positioned on the user's body. Each lifting mechanism includes a sleeve having a substantially elliptical cross-section and a piston configured to move within the sleeve in response to an increase in pressure within the sleeve.

Classifications:

International (IPC 8-9): A61F5/02 (Advanced/Invention);

A61F5/02 (Core/Invention);

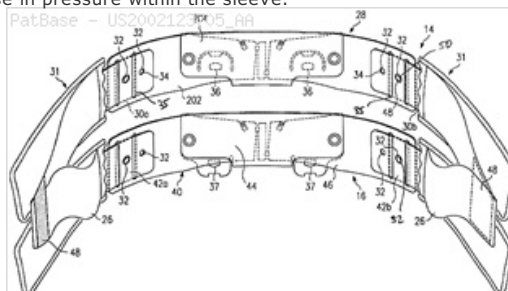
A61F (Subclass/Invention)

International (IPC 1-7): A61F A61F5/00 A61F5/02

CPC: A61F5/024

European: A61F5/02E

US: 602/1 602/16 602/17 602/19 602/32 602/36 602/5



Family:

Publication number	Publication date	Application number	Application date
AU2002242221 AA	20020919	AU20020242221	20020222
AU2002245484 AA	20020919	AU20020245484	20020222
CN1236739 C	20060118	CN20028005847	20020222
CN1236740 C	20060118	CN20028005852	20020222
CN1275579 C	20060920	CN20028005848	20020222
CN1494403 A	20040505	CN20028005847	20020222
CN1494404 A	20040505	CN20028005848	20020222
CN1494405 A	20040505	CN20028005852	20020222
EP1363568 A1	20031126	EP20020713647	20020222
EP1363569 A1	20031126	EP20020714967	20020222
EP1363570 A1	20031126	EP20020721098	20020222
HK1061346 A3	20040917	HK20040102912	20040426
HK1065242 A1	20070309	HK20040108086	20041018
HK1065242 A3	20050218	HK20040108086	20041018
HK1065243 A1	20060825	HK20040108087	20041018
HK1065243 A3	20050218	HK20040108087	20041018
US2002123705 AA	20020905	US20010875332	20010605
US2002123707 AA	20020905	US20010875486	20010605
US2003097085 AA	20030522	US20030335694	20030102
US2003195446 AA	20031016	US20030453835	20030603
US2003208147 AA	20031106	US20030453305	20030603
US6533740 BB	20030318	US20010875332	20010605
US6635025 BA	20031021	US20010875315	20010605
US6689082 BB	20040210	US20010875486	20010605
US6702771 BA	20040309	US20010875473	20010605
US6746413 BB	20040608	US20030453305	20030603
US6776767 BB	20040817	US20030335694	20030102
US6974432 BB	20051213	US20030453835	20030603
WO02069856 A1	20020912	WO2002US05179	20020222
WO02069857 A1	20020912	WO2002US05180	20020222
WO02069858 A1	20020912	WO2002US05333	20020222
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Priority:

US20010272821P 20010301	US20010875315 20010605	US20010875332 20010605
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US20030453835 20030603	US20030453305 20030603	WO2002US05179 20020222
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Probable Assignee: AMEI TECHNOLOGIES INC

Assignee(s): (std): LUCE ALLAN D ; REINECKE STEVEN M ; SYDOR ROBIN ; STREHLKE MARK J ; AMEI TECHNOLOGIES INC ; AMEI TECHNOLOGIES INC A DELAWA

Assignee(s): AMEI TECHNOLOGIES INC A DELAWARE COPORATION ; AMEI TECHNOLOGIES INC A DELAWARE CORP ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; WACHOVIA BANK NATIONAL ASSOC ; WACHOVIA BANK NATIONAL ASSOCIATION ADMINISTRATI AS ; ORTHOFIX INC ; WACHOVIA BANK NATIONAL ASSOCIATION ADMINISTRATIVE ; WACHOVIA BANK NATIONAL ASSOCIATION ADMINISTRATIVE AGENT AS ; WACHOVIA BANK NATIONAL ASSOCIATION AS ADMINISTRATI

Inventor(s): (std): AD LUCE ; ALLAN D ; ALLAN D LUCE ; LUCE A D ; LUCE ALLAN D ; R SYDOR ; REINECKE S M ; REINECKE STEVEN M ; RM SYDOR ; STREHLKE M J ; STREHLKE MARK J ; STREHLKE S M REINECKE A D LUCE ; SYDOR R ; SYDOR R M ; SYDOR ROBIN ; SYDOR ROBIN M ; SYDOR S M REINECKE A D LUCE R ; MJ STREHLKE ; S M REINECKE A D LUCE M J STREHLKE ; S M REINECKE A D LUCE R SYDOR ; SM REINECKE

Inventor(s): SM REINECKE AD LUCE RM SYDOR ; A D LUCE ; S M REINECKE A D LUCE R M SYDOR ; R M SYDOR ; S M REINECKE ; M J STREHLKE

Agent(s): BAKER AND MCKENZIE

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 UZ VN YU ZA ZM ZW

Title: CONTRAST THERAPY SYSTEM AND METHOD

Abstract: Source: US2004068309A A contrast therapy system. According to one aspect of the invention, the contrast therapy system includes a hot reservoir for holding a relatively hot fluid and a cold reservoir for holding a relatively cold fluid. The system also includes a mixing valve for receiving a selected ratio of the hot and cold fluids from the hot and cold reservoirs. The mixing valve is operable to deliver a therapy fluid with a therapy temperature determined by the selected ratio. The system also includes a therapy pad for receiving the therapy fluid from the mixing valve and returning the therapy fluid to at least one of the hot reservoir and the cold reservoir.

Classifications:

International (ipc 8-9): A61F5/00 A61F5/01 A61F7/00 A61F7/02 A61H1/00 F16K11/087 (Advanced/Invention);

A61F7/00 (Advanced/Non-invention);

A61F5/00 A61F7/00 A61F7/02 F16K11/02 (Core/Invention);

A61F7/00 (Core/Non-invention)

International (ipc 1-7): A61F7/00 A61N

CPC: A61F2007/0002 A61F2007/0295 A61F5/0123 A61F2007/0228

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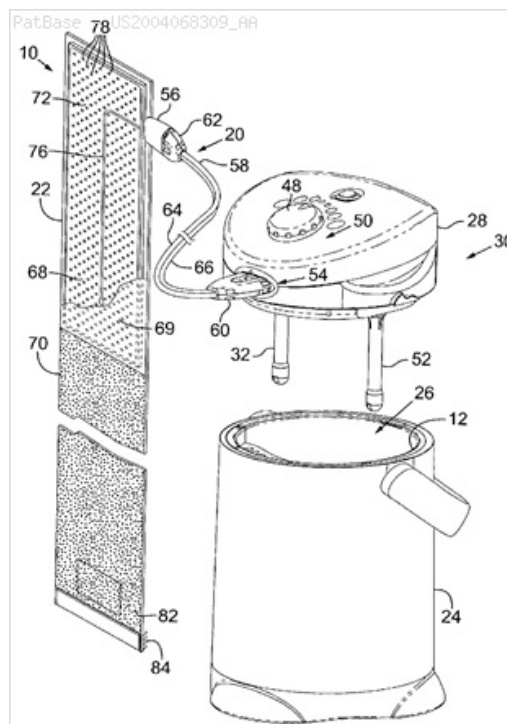
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US: 137/625.3 137/625.41 601/34 602/14 602/14P 602/19 602/19S

602/2 607/104 607/104P 607/108 607/109 607/112 607/114

607/114S 607/96

**Family:**

Publication number	Publication date	Application number	Application date
AU2003282580 AA	20040504	AU20030282580	20031008
AU2003282580 AH	20040504	AU20030282580	20031008
US2004068309 AA	20040408	US20020267247	20021008
US2004068310 AA	20040408	US20020322269	20021217
US2009254160 AA	20091008	US20090420055	20090408
US2010030306 AA	20100204	US20080237074	20080924
US2010137765 AA	20100603	US20090623290	20091120
US7211104 BB	20070501	US20020267247	20021008
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US8226698 BB	20120724	US20080237074	20080924
US8425579 BA	20130423	US20060538278	20061003
WO04033031 A2	20040422	WO2003US32165	20031008
WO04033031 A3	20040701	WO2003US32165	20031008

Priority:

US20020267247	20021008	US20020322269	20021217	US20050291517	20051130
WO2003US32165	20031008	US20090420055	20090408	US20080237074	20080924
US20060469614	20060901	US20090623290	20091120	US20060538278	20061003

Probable Assignee: VITALWEAR INC

Assignee(s): (std): EDELMAN HOWARD ; LIU DAQING ; MEDNIKOFF ELENA ; SHAWVER MICHAEL ; VITAL WEAR INC ; VITALWEAR INC

Assignee(s): SOREMARTEC SA

Inventor(s): (std): EDELMAN HOWARD ; LIU DAQING ; MEDNIKOFF ELENA ; SHAWVER MICHAEL

Inventor(s): HOWARD EDELMAN

Agent(s): KANG LIM; KANG; KANG S

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 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 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