

Search history

- Search 1: IC=(A47C) (Results 286942)
- Search 2: articulat* or adjust* (Results 1000000)
- Search 3: 1 and 2 (Results 72513)
- Search 4: bed or litter or stretcher (Results 1000000)
- Search 5: 3 and 4 (Results 20114)
- Search 6: frame and lift (Results 298917)
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- Search 8: actuator (Results 860102)
- Search 9: 7 and 8 (Results 442)
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- Search 11: 9 and 10 (Results 92)
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- Search 19: 17 and 18 (Results 59)
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- Search 22: structure (Results 1000000)
- Search 23: 21 and 22 (Results 52)
- Search 24: rail* (Results 1000000)
- Search 25: 23 and 24 (Results 46)

1) Family number: 1998064 (US4472846A)

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Title: COUPLING SYSTEM FOR THE MOTOR DRIVE IN AN ADJUSTABLE MOTORIZED HOSPITAL BED

Abstract: Different hospital bed functions or adjustments (such as high-low, back and knee adjustments) may be made by employing a single reversible motor to drive selected ones of a series of adjusting mechanisms. The adjusting mechanisms may be clutched, individually or simultaneously, to the motor drive in a transmission and the motor may be run in a selected direction in order to position the hospital bed as desired. Momentarily reversing the direction of motor rotation ensures that all of the clutches in the transmission will be disengaged except those that have been actuated. The motor is momentarily reversed upon the initial operation of any function or functions, and is again momentarily reversed upon the reactivation of any function while other functions continue to operate. With this arrangement, if any deactivated clutch has locked or latched into an engaged position, it will be quickly released or unlocked so only the desired bed functions will operate.

Classifications:

International (IPC 8-9): A47C17/00 A61G13/02 A61G7/00 A61G7/015 F16D27/118 (Advanced/Invention);

A61G13/00 A61G7/002 F16D27/10 (Core/Invention)

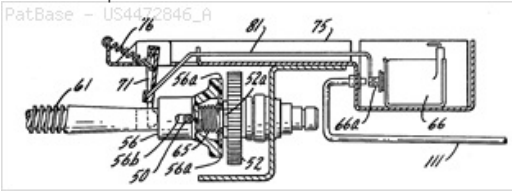
International (IPC 1-7): A47C17/00 A47C20/04 A61G13/00 A61G7/00 A61G7/06

CPC: A61G2203/726 F16D27/118 A61G7/015 F16D2027/002

European: A61G7/015 F16D27/118 R16D27/00B

US: 192/48.2 192/48.8 5/60 5/611 5/616 5/618 5/66 5/69

Locarno class: 5 /69



Family:

Publication number	Publication date	Application number	Application date
AU198286955 A1	19830310	AU19820086955	19820806
CA1186103 A1	19850430	CA19820408368	19820729
JP58073357 A2	19830502	JP19820152482	19820901
US4472846 A	19840925	US19810298423	19810901

Priority:

US19810298423 19810901 CA19820408368 19820729

Probable Assignee: B W HEALTH PRODUCTS INC

Assignee(s): (std): B W HEALTH PRODUCTS INC ; BORG WARNER

Assignee(s): BORG WARNER CORP ; BORG WARNER A CORP OF DE CORP ; CHIVETTA DENNIS S ; VOLK JOSEPH A JR ; B W HEALTH PRODUCTS INC A CORP OF MO ; BOATMEN S NATIONAL BANK OF ST LOUIS ; BOATMEN'S NATIONAL BANK OF ST LOUIS ; BOATMEN'S NATIONAL BANK OF ST LOUIS

Inventor(s): (std): CHIVETTA DENNIS S ; VOLK JOSEPH A JR ; VOLK JR JOSEPH A ; JIYOZEFU ANSONII BORUKU JIYUNI ; DENISU ESU CHIBETSUTA

Inventor(s): VOLK JOSEPH A ; JIYOZEFU ANSONII BORUKU JIYUNIAA

Agent(s): GRIFFITH HACK; MACRAE AND CO

2) Family number: 3841714 (US4398313A)

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Title: Manual control system for adjustable hospital bed

Abstract: Independently operable lifting mechanisms are provided at the head and foot ends of the fixed lower base frame of an adjustable hospital bed in order to facilitate independent height adjustment of the head and foot ends of the bed's movable upper frame. The lifting mechanisms are actuated by respective drive screws which may be rotated individually or simultaneously and in either direction to position the upper frame at any desired height and at any selected tilt angle. By turning only one drive screw, one end of the upper frame is elevated or lowered and the tilt angle will be changed. By rotating both drive screws simultaneously, the upper frame will be raised or lowered at a constant tilt angle. A manual control system provides for selective manual engagement of the lifting mechanisms and automatic disengagement thereof. When engaged, the lifting mechanisms may be manually actuated.

Classifications:

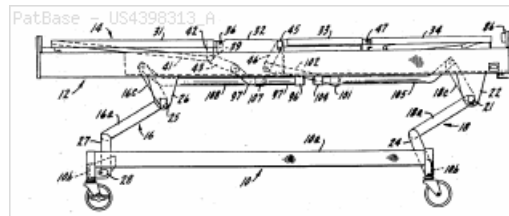
International (IPC 8-9): A47C20/04 (Advanced/Invention); A47C20/00 (Core/Invention)

International (IPC 1-7): A47C19/00

CPC: A47C20/041 A47C20/042

European: A47C20/04A A47C20/04B

US: 5/611 5/616 5/66 5/68



Family:

Publication number	Publication date	Application number	Application date
US4398313 A	19830816	US19800211543	19801201

Priority:

US19800211543 19801201

Probable Assignee: B W HEALTH PRODUCTS INC

Assignee(s): (std): B W HEALTH PRODUCTS INC

Assignee(s): BORG WARNER CORP

Inventor(s): (std): MITCHELL LARRY D

3) Family number: 30018988 (US2001029628A)

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Title: PATIENT CARE SYSTEM

Abstract: A bed configured to support a patient having a weight comprises a frame, a patient support, and a plurality of sensors coupled between the frame and the patient support. Each of the plurality of sensors is configured to generate an analog signal in response to a portion of the weight of the patient on the patient support. The bed also comprises a circuit coupled to the plurality of sensors to receive the analog signals therefrom. The circuit includes a plurality of analog-to-digital converters, each analog-to-digital converter being coupled to one of the sensors to generate a separate digital signal for each of the plurality of sensors, and a processor coupled to the plurality of analog-to-digital converters to determine the weight of the patient on the patient support.

Classifications:

International (IPC 8-9): A47C20/04 A47C20/08 A47C21/08 A47C27/00

A47C27/10 A61G7/00 A61G12/00 A61G7/00 A61G7/002 A61G7/015

A61G7/018 A61G7/02 A61G7/05 A61G7/057 A61G7/08 A61G7/16

A61H7/00 (Advanced/Invention);

A61C7/00 (Advanced/Non-invention)

International (IPC 1-7): A47B71/00 A47C19/02 A47C20/04 A47C20/08

A47C21/08 A47C27/00 A47C27/10 A61C7/00 A61G12/00 A61G7/00

A61G7/002 A61G7/005 A61G7/008 A61G7/012 A61G7/015 A61G7/018

A61G7/02 A61G7/05 A61G7/057 A61G7/06 A61G7/08 A61G7/16

A61G70/57 A61H7/00 F16K11/085 F16K31/04 G01G19/52

CPC: A61G7/0506 A61G2203/20 A61G7/0507 A61G7/00 A61G7/002

A61G7/02 A61G7/05 A61G7/0525 A61G7/0526 A61G7/057 A61G7/05776

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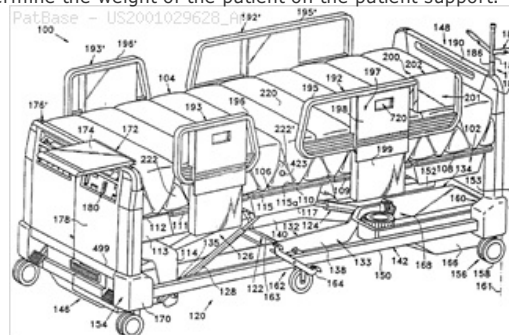
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K61G7/05S14 K61G7/05S2A K61G7/05S2B K61G7/05S4A2 K61G7/05S6 K61G7/05W1

US: 177/144 5/185 5/424 5/425 5/425P 5/428 5/430 5/453 5/455 5/463 5/465 5/503 5/503.1 5/505 5/505.1 5/507.1 5/600

5/600P 5/602 5/604 5/607 5/610 5/611 5/613 5/614 5/616 5/617 5/618 5/62 5/624 5/63 5/630 5/658 5/66 5/662 5/710 5/713

5/713S 5/715 5/914 54/25 56/16 56/58 8/455 8/914



Family:

Publication number	Publication date	Application number	Application date
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JP4500463 T2	19920130	JP19890504272T	19890306
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US6941598 BB	20050913	US20030730453	20031208
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Priority:

US19880172264	19880323	US19880172264	19880323	AU19890034100	19890306
WO1989US00831	19890306	CA19890594527	19890322	US19900511842	19900420
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US20030730453	20031208	JP20060163634	20070730		

Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): AMERICAN LIFE SUPPORT TECH ; AMERICAN LIFE SUPPORT TECHNOLO ; LECTUS INC ; HILL ROM CO INC ; HILL ROM SERVICES INC ; HILL ROM INC ; FERRAND ROBERT ; INC ; LEKT ; INK

Assignee(s): MILLER DEAN T ; LOOPER JOHN E ; ALVORD LINCOLN J ; REKUTASU INC ; O CONNOR RICHARD W ; ROBERT FERRAND ; SALSADO JONATHAN ; THOMAS MARC M ; SILVA WILLIAM ; SMITH STEPHEN D ; ROE STEVEN N ; SALZEDO JONATHAN ; OAKLEY CELIA ; KHILL-ROM, INK. ; FERRAND ROBERT J ; FISH WILLIAM R ; HILL ROM ; LOH WILLIAM ; GRASS WESLEY E ; GILMARTIN WILLIAM A ; NEDER CHARLES W ; KHILL ROM INK ; HILL ROHM CO ; HIER ROHM INC ; AMERICAN LIFE SUPPORT TECHNOLOGY ; AMERICAN LIFE SUPPORT TECHNOLOGY INC ; AMERICAN LIFE SUPPORT TECHNOLOGY INC A CA CORP ; COMDISCO INC

Inventor(s): (std): ALVORD LINCOLN J ; FERRAND ROBERT ; FERRAND ROBERT J ; FISH WILLIAM R ; GILMARTIN WILLIAM A ; GRASS WESLEY E ; LOH WILLIAM ; LOOPER JOHN E ; MILLER DEAN I ; MILLER DEAN T ; NEDER CHARLES W ; O CONNOR RICHARD W ; OAKLEY CELIA ; ROBERT FERREHND ; ROE STEVEN N ; SALSADO JONATHAN ; SALZEDO JONATHAN ; SILVA WILLIAM ; SMITH STEPHEN D ; THOMAS MARC M ; ROBERT FERRAND ; ROBERT J FERRAND ; ROBERT FERRAND ; RJ FERRAND ; MM THOMAS ; MARC M THOMAS ; LJ ALVORD ; LINCOLN J ALVORD ; VIL JAM R FISH ; VIL JAM NMI LOKH ; VIL JAM A GILMART ; UEHSLI E GRASS ; THOMAS M M ; STIVEN N REU ; STEFEN D SM ; SELIJA NMI OAK ; ROBERT DZH FERRAND ; RICHARD V O KONNOR ; FERRAND ROBERT ; MARK M TOMAS ; LINKOL N DZH EHLVORD ; FERRAND R J ; DZHONATAN NMI SAL ZEDO ; DZHON E LOOPER ; DIN T MILLER ; CHARL Z V NEDER ; ALVORD L J ; LOW WILLIAM

Inventor(s): L J ALVORD ; M M THOMAS ; DZHON ELOOPER ; DIN TMILLER ; DEIIN TEII MIRAA ; CHIYAARUZZU DABURIYUU NIIDAA ; CHARL Z VNEDER ; R J FERRAND ; JIYONASAN SARUZEEDO ; JIYON II RUUPAA ; LINKOL N DZHEHLVORD ; MAAKU EMU TOOMASU ; MARK MTOMAS ; RINKAAN JIEI OORUBUOODO ; RICHIIYAADO DABURIYUU OKOONAA ; RICHARD VO KONNOR ; ROBERT DZHFERRAND ; ROBAATO JIEI FUAARANDO ; VIL JAM RFISH ; VIL JAM AGILMART ; UIRIAMU ROO ; UIRIAMU EI GIRUMAATEIN ; UIRIAMU AARU FUIISHIYU ; UESURII II GURASU ; UEHSLI EGRASS ; SUTEIIBUN ENU ROU ; SUTEIIBUN DEII SUMISU ;

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; GOUDREAU GAGE DUBUC; MACRAE AND CO; ISSHIKI AND CO; BOSE MCKINNEY AND EVANS LLP

Designated states: AT AU BE CH DE DK ES FR GB IE IT JP KR LI LU NL SE SU

4) Family number: 19007925 (ES2012854A)

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Title: System for using raisable, fold-down bunks (berths) in compartments where space is limited

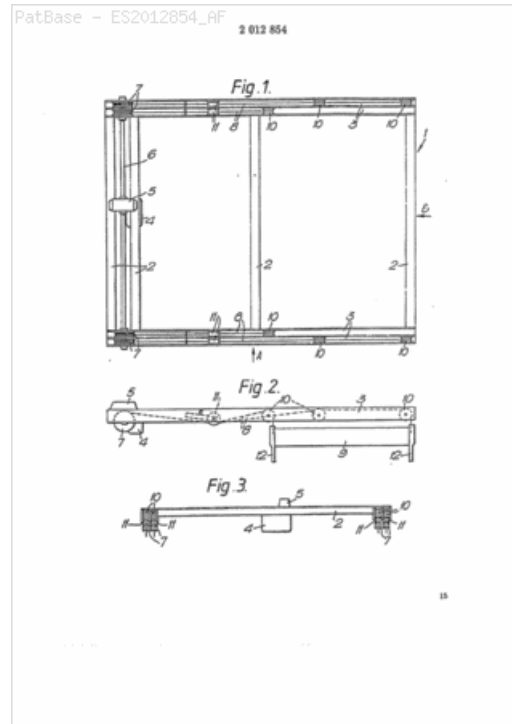
Abstract: System for optimum utilisation of space by means of at least one raisable, fold-down bunk, in which the bunk 9 or bunks 91, 91 may be raised into a storage or day-time position and lowered into a service or night-time position, with an actuating device 4 connected operationally to the bunk 9 in order to raise and lower it, the position of the bunk being substantially horizontal in the storage position and in the service position. The bunk 9 or bunks 91, 92, respectively, is or are equipped with guide bodies for moveable coupling on associated guide rails 12; 95, 96, 97, 98, which are substantially vertical, arranged so that they are secured close to the walls which define the compartment in question, and/or in such a manner that they form a part of the support structure of the compartment, and underneath the bunk or bunks there are permanently mounted pivoting seats 93, 94 arranged so that they can be rotated and/or lowered into a position in which they leave the necessary free space for lowering the bunk into the night-time position.

Classifications:

International (IPC 8-9): A47C 19/00 (Advanced/Invention);

A47C 19/00 (Core/Invention)

International (IPC 1-7): A47C 19/0



Family:

Publication number	Publication date	Application number	Application date
ES2012854 AF	19900416	ES19880002958	19880929

Priority:

ES19880002958 19880929

Probable Assignee: VIGBJORN MATRE

Assignee(s): (std): MATRE VIGBJORN ; VIGBJORN MATRE

5) Family number: 30960320 (US2001015643A)

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Title: Apparatus for measuring bulk materials and surface conditions for flat and curved parts

Abstract: A meandering winding magnetometer (MWM) includes a meandering primary winding and at least one sensing winding or coil on a membrane to be pressed against a test surface. The membrane may be supported on a flexible carrier which is translatable into a probe. Abutments in the probe press the carrier against the test surface but allow the carrier and membrane to conform to the test surface. One MWM circuit includes meandering primary and secondary windings. The return leads from the secondary winding return to connector pads in close alignment with the test array, while leads from the primary winding are spaced at least one wavelength from the array. In another MWM circuit, individual sensing loops are positioned within the meandering primary winding. The MWM circuit may be provided on an adhesive tape which may be cut to length.

Classifications:

International (IPC 8-9): A47C 1/023 A47C 3/04 G01B 7/16 G01B 7/24

G01B 7/34 G01D 5/20 G01L 1/12 G01N 27/02 G01N 27/72 G01N 27/82

G01N 27/90 G01N 37/00 G01R 33/12 (Advanced/Invention);

A47C 1/022 A47C 3/00 G01L 1/12 G01N 27/90 (Core/Invention)

International (IPC 1-7): A47C 3/04 B60K 20/04 F16H 59/02 G01B 7/06

G01B 7/10 G01B 7/16 G01B 7/24 G01D 5/20 G01N 27/72 G01N 27/82

G01N27/90 G01N37/00 G01R33/12 H01F27/28 H01F5/00
CPC: G01N27/9046 G01N27/023 G01N27/72 A47C1/023 A47C3/04
G01B7/24 G01B7/34 G01N27/90 G01R33/12 G01N27/904 G01B7/16
G01N27/82 G01L1/125 G01L1/127 G01N27/902
European: A47C1/023 A47C3/04 G01B7/16 G01B7/24 G01B7/34
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324/242 324/242P 324/242S 324/243 324/243S 324/262 336/200
336/206 336/232

PatBase - US2001015643_AA

Patent Application Publication Aug. 23, 2001 Sheet 1 of 17 US 2001/0015643 A1

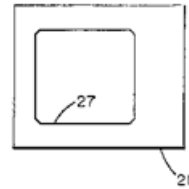


FIG. 1

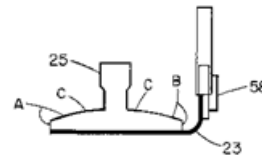


FIG. 2

Family:

Publication number	Publication date	Application number	Application date
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AU200115691 A5	20010424	AU20010015691D	20000920
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Priority:

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US20070807873	20070530				

Probable Assignee: JENTEK SENSORS INC

Assignee(s): (std): GOLDFINE NEIL J ; SCHLICKE DARRELL E ; WASHABAUGH ANDREW ; WALRATH KAREN E ; WEISS VOLKER ; JENTEK SENSORS INC ; WASHABAUGH ANDREW P ; ZILBERSTEIN VLADIMIR A ; TSUKERNIK VLADIMIR ; CHEPOLIS WILLIAM M ; CLARK DAVID C ; ESPAMOBLE S L

Assignee(s): ESPAMOBLE SL ; DEPARTMENT OF NAVY ; ZILBERSTEIN VLADIMIR

Inventor(s): (std): ZILBERSTEIN VLADIMIR A ; TSUKERNIK VLADIMIR B ; SCHLICKE DARRELL ; GOLDFINE NEIL ; ZILBERSTEIN VLADIMIR ; WASHABAUGH ANDREW P ; WALRATH E ; TSUKERNIK VLADIMIR ; SCHLICKE DARRELL E ; GOLDFINE NEIL J ; GOLDFINE J ; CLARK C ; CHEPOLIS M ; WILLIAM M CHEPOLIS ; VOLKER WEISS ; MESTRE BOIX LUIS ; MESTRE BOIX LLUIS ; LUIS MESTRE BOIX ; KAREN E WALRATH ; ECKHARDT HOMER D ; DAVID C CLARK ; SCHLICKE E ; NEIL J GOLDFINE ; DARRELL E SCHLICKE ; ANDREW WASHABAUGH ; WEISS VOLKER ; WASHABAUGH ANDREW ; WALRATH KAREN E ; CLARK DAVID C ; CHEPOLIS WILLIAM M

Inventor(s): ANDREW P WASHABAUGH ; NEIL GOLDFINE ; DARRELL SCHLICKE ; VLADIMIR ZILBERSTEIN ; VLADIMIR TSUKERNIK ; VLADIMIR B TSUKERNIK ; WALRATH KAREN ; TSUKERNIK VLADIMIR

Agent(s): SHAPIRO COHEN; OGILVY RENAULT LLP SENCRL SRL; BORDEN LADNER GERVAIS LLP; HAMILTON BROOK SMITH AND REYNOLDS PC

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 CS CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

6) Family number: 33496397 (US5715548A)

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Title: CHAIR BED

Abstract: A bed including a frame, an articulating deck on the frame having head, seat, and foot deck sections, and a mattress on the deck. The deck foot section and mattress foot portion have a first length when the foot section is in the up position and a second length shorter than said first length when the foot section is in the down position. A first driver varies the length of the deck foot section, and a second driver moves the foot section relative to said seat section between the generally horizontal up position and the generally vertically downwardly extending down position.

Classifications:

International (IPC 8-9): A47C17/17 A61G7/00 A61G7/002 A61G7/008

A61G7/015 A61G7/053 A61H3/04 (Advanced/Invention);

A61G5/14 A61G7/005 A61G7/012 A61G7/02 A61G7/05

A61G7/10 (Advanced/Non-invention);

A47C17/00 A61G7/00 A61G7/002 A61G7/008 A61G7/05

A61H3/00 (Core/Invention);

A61G5/00 A61G7/005 A61G7/02 A61G7/10 (Core/Non-invention)

International (IPC 1-7): A61G7/053

CPC: A61G7/0506 A61G2203/20 A61G7/0507 A61G5/14 A61G7/00

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A61G7/0514 A61G7/052 A61G7/0524 A61G7/0527

European: A61G7/00 A61G7/002 A61G7/008 A61G7/015 A61G7/018

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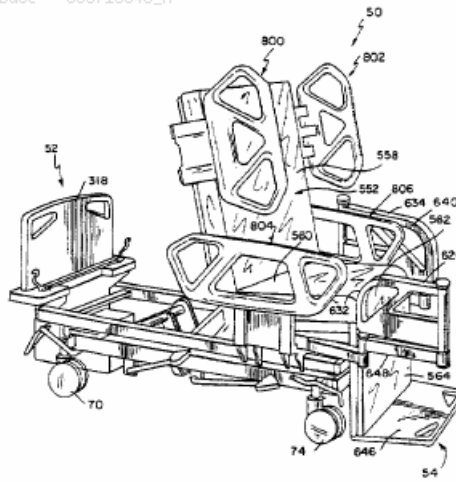
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K61G7/05W1 K61G7/10N8 K61H3/04B

US: 5/611 5/618 5/624 5/710 5/713

PatBase - US5715548_A



Family:

Publication number	Publication date	Application number	Application date
US5715548 A	19980210	US19950511711	19950804

Priority:

US19940186657	19940125	US19950511711	19950804
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Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): HILL ROM CO INC

Assignee(s): HILL ROM INC ; HILL ROM SERVICES INC

Inventor(s): (std): ALBERSMEYER DAVID A ; BRANSON GREGORY W ; BROOKE JASON C ; BUTTERBRODT JAY T ; DLUGOS JR DANIEL F ; KRAMER KENNETH L ; KUMMER JOSEPH A ; MEYER ERIC R ; MILLER JOHN D ; PALERMO PHILIP D ; RUEHL JOHN W ; SCHULTE STEPHEN R ; THOMAS JAMES M C ; ULRICH DAVID J ; WEISMILLER MATTHEW W ; WUKUSICK PETER M

7) Family number: 15208107 (US5890397A)

PatBase

Title: FOUR-WAY ADJUSTABLE PEDESTAL FLOOR MOUNTED STEERING COLUMN FOR A COMBINE HARVESTER

Abstract: The disclosure relates to a steering column which is capable of moving four ways. The steering column has a base support affixed to a horizontal cab floor. The base support has a steering motor. The steering column has an input shaft with a upper telescoping shaft. Attached to the upper telescoping shaft is the steering wheel. Also attached to the upper telescoping shaft is the upper input shaft. The first universal joint connects the upper input shaft to the inner input shaft. Torque is transferred by a key on the exterior circumference of the inner input shaft to a key slot on the interior circumference of the outer input shaft. The outer input shaft is connected to the lower input shaft by the second universal joint. The lower input shaft is connected to the steering motor. Attached to the base support is the lower pivot assembly. The lower pivot assembly rotates about the base support by actuating a lower gas cylinder. The lower pivot assembly can translate by operating the lower locking knob. The upper pivot assembly is attached to the lower pivot assembly. The upper pivot assembly can pivot by actuating an upper gas cylinder.

Classifications:

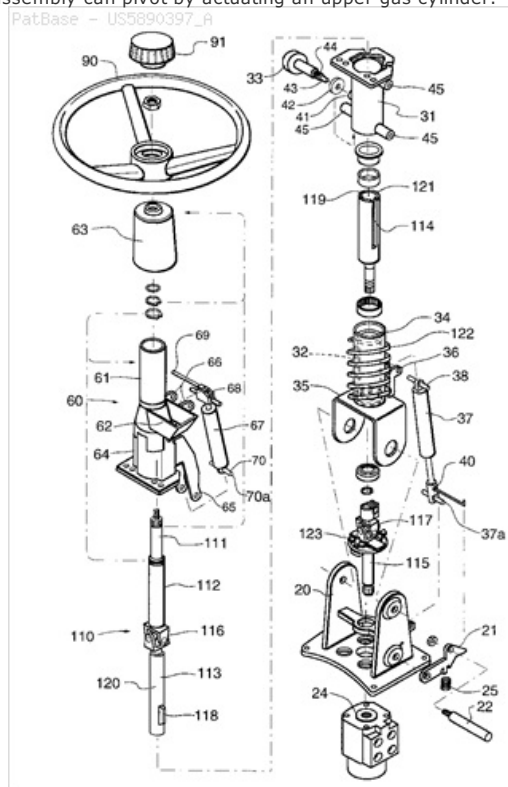
International (IPC 8-9): A01F12/24 B60N2/30 B60N2/38 B60N2/46 B60N2/75 B60Q1/26 B62D1/18 B62D33/06 (Advanced/Invention); A01F12/18 B60N2/24 B60N2/30 B60N2/46 B62D1/18 B62D33/06 (Core/Invention)

International (IPC 1-7): A01F12/24 A01F12/28 A47C7/62 B60H1/00 B60J7/00 B60K26/00 B60K37/06 B60N2/02 B60N2/30 B60N2/38 B62D1/02 B62D1/18 B62D33/06

CPC: B60R7/043 Y10T74/2066 A01D67/02 B60N2/753 B60N2/773 B60N2/767 B60N2/797 B62D1/18 B60N2/38 B60H1/00378 B60H1/00564 B60N2/3011 B60N2/3045 B60N2/305 B60Q1/2611 B62D33/0617 A01F12/24 A01D67/04 B60H1/245

European: A01F12/24 B60H1/00H3 B60H1/00S2A B60N2/30B2C2 B60N2/30C2C B60N2/30C2C4 B60N2/38 B60N2/46B B60N2/46C2 B60N2/46C6 B60N2/46H3 B60Q1/26D B60R7/04B B62D1/18 B62D33/06E

US: 180/326 180/334 280/775 296/190.09 296/190.1 296/190.11 296/210 296/214 296/96.12 297/158.1 297/188.04 297/188.09 297/378.1 297/378.12 460/109 460/72 49/40 74/493 74/531 D15/30



Family:

Publication number	Publication date	Application number	Application date
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EP0900718 B1	20040804	EP19980202931	19980902
US5890397 A	19990406	US19970803793	19970224
US5906411 A	19990525	US19970880120	19970620
US5911471 A	19990615	US19970823281	19970321
US5913566 A	19990622	US19970926001	19970909
US5919087 A	19990706	US19970963572	19971106
US5924515 A	19990720	US19970820469	19970317

Priority:

US19960030498P 19961112 US19970803793 19970224 US19970820469 19970317
US19970823281 19970321 US19970880120 19970620 US19970926001 19970909
US19970963572 19971106

Probable Assignee: BLUE LEAF I P INC

Assignee(s): (std): CNH BELGIUM NV ; FORD NEW HOLLAND NV ; NEW HOLLAND NORTH AMERICA INC

Assignee(s): NEW HOLLAND BELGIUM N V ; NEW HOLLAND BELGIUM N V ZEDELGEM ; NEW HOLLAND BELGIUM NV ; BLUE LEAF I P ; BLUE LEAF I P INC ; CNH BELGIUM N V ; CNH BELGIUM N V ZEDELGEM

Inventor(s): (std): STAUFFER DAVID B ; STRONG RUSSEL W ; STRONG RUSSELL W ; STONER KURT B ; LEHMAN BARRY E ; GROVE FLOYD W ; CROMHEECKE ERIC L A ; CROMHEECKE ERIC ; BENEDICT TYLER R ; ABREU PEDRO C

Inventor(s): CROMHEECKE ERIC LA

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

8) Family number: 30117485 (US2003208847A)

PatBase

Title: BARIATRIC TREATMENT SYSTEM AND RELATED METHODS

Abstract: A bariatric treatment system providing a comprehensive array of therapeutic services for the morbidly obese patient is disclosed. The treatment system generally comprises a stable bed frame upon which is mounted a low air loss therapeutic mattress system. Integrated hardware and software controls provide such therapies as pulsation, percussion, rotation, cardiac chair and Trendelenburg. Means are disclosed whereby the bariatric patient may safely and comfortably enter and exit the bed with relative ease. The bed is adaptable for transport within a hospital, including such features as a TRANSPORT MODE wherein the bed's lateral axis is minimized and battery backup to maintain necessary therapies during patient transport. A plurality of control means are disclosed for simplification of caregiver workload and ease of patient utilization.

Classifications:

International (IPC 8-9): A47C27/10 A61G7/00 A61G7/005 A61G7/012 A61G7/015 A61G7/018 A61G7/05 A61G7/053 A61G7/057 A61G7/10 G01G19/44 (Advanced/Invention); A61G7/00 A61G7/05 A61G7/053 A61G7/057 A61G7/10

A61H23/04 (Advanced/Non-invention); A47C27/10 A61G7/002 A61G7/005 G01G19/00 (Core/Invention); A61G7/00 A61G7/05 A61G7/057 A61G7/10 A61H23/04 (Core/Non-invention)

International (IPC 1-7): A47C27/10 A61G7/00 A61G7/015

CPC: A61G2203/42 A61G2203/723 A61G7/005 A61G7/0525 A61G2210/50 A61G7/1021 A61G2200/32 A61G2200/34 A61G7/16 A61G7/001 A61G7/012 A61G7/015 A61G7/0507 A61G7/053 A61G7/057 A61G7/05769 A61G7/05776 A61G2200/16 A61G2203/12 G01G19/445 A61G7/0509 A61G7/0514 A61G7/0527

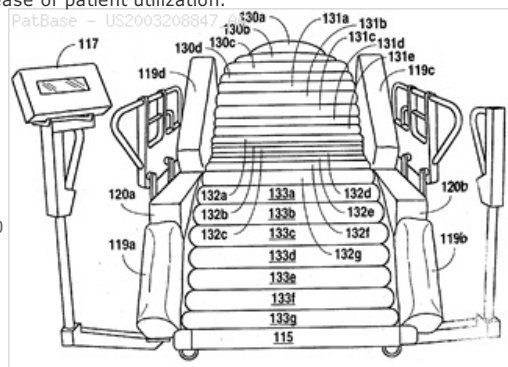
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K61G203/12 K61G210/50 K61G7/00D K61G7/053 K61G7/057

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US: 5/600 5/600S 5/613 5/615 5/616 5/617 5/618 5/624 5/713 5/713P 5/713S 5/715 5/715P 5/715S 56/13 56/15 56/16 56/17 56/18 56/24



US6536056 BA	20030325	US19970972209	19971117
US6904631 BB	20050614	US20030351711	20030127
US7346945 BB	20080325	US20050151042	20050613
WO9822071 A1	19980528	WO1997US21285	19971117

Priority:

US19960031408P 19961118 US19960031381P 19961119 US19960031666P 19961121
EP19970949518 19971117 EP20100004349 19971117 US19970972209 19971117
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US20050151042 20050613

Probable Assignee: HUNTLEIGH TECHNOLOGY LTD

Assignee(s): (std): KCI LICENSING INC ; KINETIC CONCEPTS INC ; HUNTLEIGH TECHNOLOGY LTD

Assignee(s): WILMINGTON TRUST NATIONAL ASSOCIATION COLLATERAL AGENT AS ; TECHNIMOTION LLC ; SYSTAGENIX WOUND MANAGEMENT US INC A DELAWARE GRANTOR AS CORP ; TECHNIMOTION LLC A DELAWARE LIABILITY CO GRANTOR AS LTD ; DIMITRIU DAN ; GONZALES FELIPE ; HUNTLEIGH TECHNOLOGY LTD DUNSTABLE ; KCI LICENSING INC GRANTOR AS ; KINETIC CONCEPTS ; MORGAN STANLEY AND CO INC ; STENBERG MICHAEL ; STROH GLENN C ; PHILLIPS BRUCE ; VRZALIK JOHN H ; WOEHR DANIEL A ; LIFECCELL CORP ; WILMINGTON TRUST NATIONAL ASSOCIATION COLLATERAL A ; DIMITRIU DAN G ; KCI USA INC ; KCI HOLDING CO INC ; KCI INT ; KCI INT INC ; BANK OF AMERICA NA ; BANK OF AMERICA NA COLLATERAL AGENT AS ; BARTLETT ALAN ; BARTLETT ALAN L ; CITIBANK NA ; CITIBANK NA ADMINISTRATIVE AGENT AS

Inventor(s): (std): ALAN L BARTLETT ; BARTLETT ALAN ; BARTLETT ALAN L ; BRUCE PHILLIPS ; DAN DIMITRIU ; DIMITRIU DAN ; DIMITRIU DAN G ; FELIPE GONZALES ; GLENN C STROH ; GONZALES FELIPE ; GONZALEZ FELIPE ; JOHN H VRZALIK ; MICHAEL STENBERG ; PHILLIPS BRUCE ; STENBERG MICHAEL ; STROH GLENN C ; VRZALIK JOHN H ; WOEHR DANIEL A

Inventor(s): STENBERG MICHAEL SAN ANTONIO ; WOEHR DANIEL ; VRZALIK JOHN ; STROH GLENN

Agent(s): PHILLIPS ORMONDE FITZPATRICK; SMART AND BIGGAR; MORELAND DAVID; THAKER SHALINI; ATTN LEGAL MFG KINETIC CONCEPTS INC

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

9) Family number: 34707591 (US2001017477A)

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Title: EASY EJECTOR SEAT WITH SKELETAL CRASH SAFETY BEAM

Abstract: An arrangement in passenger vehicles, that diverts the impact energy in impacts away from the passengers to the remaining mass of the vehicle thereby protecting the passengers, and in the same arrangement provides utilitarian access to the vehicle, such utilitarian access making it possible to both install multi-element contoured surround seats for passengers and the driver, and also a safety device for head-on collision protection that obviates the need for conventional seat belts and front impact airbags. An indo-skeletal structural arrangement proposed for the vehicle, provides further benefits by targeting the strength of the vehicle to protect passengers while minimizing other massive elements in the vehicle.

Classifications:

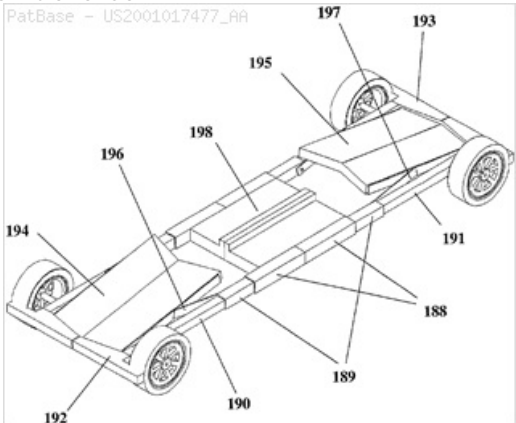
International (ipc 8-9): A47C7/14 A47C7/50 A47C7/62 A61G5/04 B01J8/02 B32B38/04 B60F3/00 B60N2/005 B60N2/01 B60N2/02 B60N2/06 B60N2/22 B60N2/24 B60N2/26 B60N2/28 B60N2/34 B60N2/42 B60N2/427 B60N2/44 B60N2/48 B60N2/50 B60N2/64 B60N2/66 B60N2/68 B60N2/70 B60N2/90 B60Q1/00 B60R19/20 B60R21/00 B60R21/01 B60R21/02 B60R21/055 B60R21/10 B60R21/16 B60R21/18 B60R21/207 B60R21/22 B60R21/231 B60R21/233 B60R21/239 B60R21/26 B60R21/276 B60R21/34 B60R22/10 B60R22/12 B60R22/18 B60R22/28 B60R27/00 B60R7/00 B60R99/00 B61D1/06 B61D1/08 B62B7/06 B62D21/15 B62D25/20 B62D61/12 B64C25/00 B64D11/06 B64D25/00 B64D25/04 C07D C07D311/26 C07D405/10 C07D407/10 G02B27/01 G02B27/02 G06F13/00 G06F3/01 G06F3/048 G06F3/0481 G06F3/0484 G06T15/20 G06T19/00 G08G1/16 G09G5/00 H04L29/06 H04N13/02 H04N13/04 H04N5/232 H04N7/18 H04R1/08 (Advanced/Invention); A61G3/02 A61G3/08 B60R19/20 B60R19/42 B60R21/00 B60R21/16 B60R21/231 B60R27/00 B60R99/00 G06T17/40 (Advanced/Non-invention); B60F3/00 B60N2/06 B60N2/24 B60N2/26 B60N2/42 B60N2/50 B60R19/18 B60R21/00 B60R99/00 B62D21/15 B62D25/20 C07D311/26 C07D405/10 G06F13/00 G06F3/01 G08G1/16 G09G5/00 (Core/Invention); G06T17/40 (Core/Non-invention)

International (ipc 1-7): A47C4/54 B01J8/02 B60J7/00 B60N2/00 B60N2/02 B60N2/06 B60N2/06 B60N2/24 B60N2/26 B60N2/42 B60R19/20 B60R21/00 B60R21/01 B60R21/02 B60R21/32 B60R22/00 B60R27/00 B60R27/00 B62D21/15 B62D25/20 B62D27/00 C07D311/26 C07D405/10 C07D407/10

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US: 1/1 156/2535 156/2535 180/209 180/271 180/282 244/118.6 280/250.1 280/38 280/728.1 280/728.100S 280/730.1 280/730.100P 280/730.2 280/735 280/735S 280/736 280/748 280/748S 280/784 280/805 296/187.03 296/187.12 296/187.120P



296/188 296/189 296/190.04 296/205 296/26.08 296/26.080P 296/65.04 296/65.11 296/65.12 296/68.1 296/68.100P 297/183.6 297/216.1 297/216.100P 297/216.11 297/216.110P 297/216.12 297/216.19 297/217.3 297/232 297/250.1 297/256.13 297/284.1 297/284.100S 297/284.2 297/284.200S 297/284.3 297/284.6 297/284.600P 297/284.9 297/344.1 297/452.34 297/464 297/464S 297/DIG.4 340/425.5 340/457.1 340/461 340/686.1 340/686.2 345/156 345/8 5/632 5/633

Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: MMILLENNIUM GROUP INC

Assignee(s): (std): MILLENNIUM MOTOR CO ; RAJASINAHAM ARJUNA INDRAESWARA ; MILLENNIUM MOTOR COMPANY ; RAJASINGHAM ARJUNA INDRAESWARA ; RAJASINGHAM ARJUNA I ; MMILLENNIUM GROUP ; RAJASINGHAM ARJUNA INDRAESWARAN ; RAJASINGHAM AMRITA ; RAJASINGHAM ARJUNA INDRAESWARE ; RAJASINGHAM ARJVNA INDRAESWARA ; RAJASINGHAM ARJUNA IWDRAESWARA ; RAJASINGHAM ARJVNA I ; RAJASINGHAM INDI ; TRANSITIONS OPTICAL INC ; RAJASINGHAM ARUNAN ; ARJUNA I RAJASINGHAM ; ARJUNA IWDRAESWARAN RAJASINGHA

Assignee(s): ARJUNA IWDRAESWARAN RAJASINGHAM ; ARJUNA I ; RAJASINGHAM ARJUNA INDRAESWARAN DR ; RAJASINGHAM ARJUNA INDRAESWARAN ; RAJASINGHAM ARJUNA IWDRAESWARAN ; RAJASINGHAM ARJVNA INDRAESWARAN ; MMILLENNIUM GROUP INC ; RAJASINGHAM ARJUNA IWDRAESWARAN ; RAJASINAHAM ARJUNA INDRAESWARAN

Inventor(s): (std): ARJUNA I RAJASINGHAM ; CHOPRA ANU ; DABIDEEN DARRIN R ; DAI XIAO MAN ; HE MENG ; KUMAR ANIL ; MONDAL SUIJIT ; RAJASINGHAM ARJUNA I ; RAJASINGHAM ARJVNA I ; XIAO WENJING ; XU RUISONG ; XIAO MAN DAI ; WENJING XIAO ; SUIJIT MONDAL ; RUISONG XU ; RAJASINGHAM ARJUNA IWDRAESWARA ; MENG HE ; DARRIN R DABIDEEN ; ARJUNA IWDRAESWARAN RAJASINGHAM ; ANU CHOPRA ; ANIL KUMAR ; RAJASINGHAM ARUNAN ; RAJASINGHAM AMRITA ; RAJASINGHAM DR ; RAJASINGHAM ARJUNA ; RAJASINGHAM ARJUNA INDRAESWARE ; RAJASINGHAM ARJVNA INDRAESWARA ; RAJASINGHAM ARJUNA IWDRAESWARA ; RAJASINGHAM ARJUNA INDRAESWARAN ; RAJASINAHAM ARJUNA INDRAESWARA ; RAJASINGHAM ARJUNA INDRAESWARA

Inventor(s): ARJUNA I ; RAJASINGHAM ARJUNA INDRAESWARAN ; RAJASINGHAM ARJUNA INDRAESWARAN DR ; RAJASINGHAM ARJUNA IWDRAESWARAN ; RAJASINAHAM ARJUNA INDRAESWARAN ; RAJASINGHAM ARJVNA INDRAESWARAN ; RAJASINGHAM ARJUNA IWDRAESWARAN ; RAJASINGHAM ARJUNA INDRAESWARAN DR

Agent(s): ARJUNA RAJASINGHAM ; OKADA NORIKO ; YAMASAKI YUKUZO ; SUGIYAMA NAOTO ; SHIROGANE HIROSHI ; AKAMATSU TOSHIKI ; ITOH TADAHICO ; SHIGEMORI KAZUKI ; TSUBOKURA MICHIAKI ; KANAYAMA MASATAKA ; ONO MAKOTO ; SHISHIDO KAICHI ; MATSUSHITA MITSURU ; KUMAKURA YOSHIO ; KURASAWA ICHIRO ; INO SARI ; DESHIMARU TAKESHI ; A I RAJASINGHAM ; AI RAJASINGHAM ; ARJUNA I RAJASINGHAM ; ARJUNA INDRAESWARAN RAJASINGHAM

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

10) Family number: 33496485 (US6163903A)

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Title: CHAIR BED

Abstract: A bed including a frame, an articulating deck on the frame having head, seat, and foot deck sections, and a mattress on the deck. The deck foot section and mattress foot portion have a first length when the foot section is in the up position and a second length shorter than said first length when the foot section is in the down position. A first driver varies the length of the deck foot section, and a second driver moves the foot section relative to said seat section between the generally horizontal up position and the generally vertically downwardly extending down position.

Classifications:

International (IPC 8-9): A47C17/17 A61G7/00 A61G7/002 A61G7/008

A61G7/015 A61G7/053 A61H3/04 (Advanced/Invention);

A61G5/14 A61G7/005 A61G7/012 A61G7/02 A61G7/05

A61G7/10 (Advanced/Non-invention);

A47C17/00 A61G7/00 A61G7/002 A61G7/008 A61G7/05

A61H3/00 (Core/Invention);

A61G5/00 A61G7/005 A61G7/02 A61G7/10 (Core/Non-invention)

International (IPC 1-7): A61G7/005

CPC: A61G7/0506 A61G2203/20 A61G7/0507 A61G5/14 A61G7/00

A61G7/002 A61G7/005 A61G7/008 A61G7/012 A61G7/015 A61G7/018

A61G7/02 A61G7/05 A61G7/053 A61G7/1021 A61G7/16 A61G2200/32

A61G2200/34 A61G2203/74 A61H3/04 A61H2003/046 A61G7/0509

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European: A61G7/00 A61G7/002 A61G7/008 A61G7/015 A61G7/018

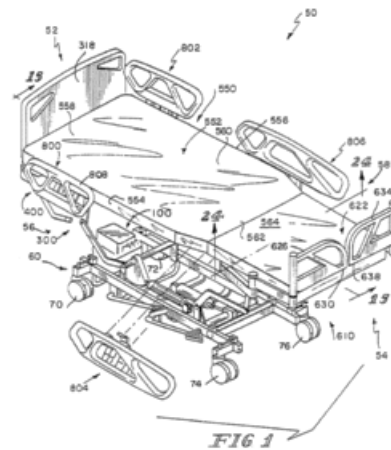
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US: 5/610 5/614

**Family:**

Publication number	Publication date	Application number	Application date
US6163903 A	20001226	US19980018542	19980204

Priority:

US19940186657 19940125 US19950511711 19950804 US19980018542 19980204

Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): HILL ROM CO INC

Assignee(s): HILL ROM INC ; HILL ROM SERVICES INC

Inventor(s): (std): ALBERSMEYER DAVID A ; BRANSON GREGORY W ; BROOKE JASON C ; BUTTERBRODT JAY T ; DLUGOS JR DANIEL F ; KRAMER KENNETH L ; KUMMER JOSEPH A ; MEYER ERIC R ; MILLER JOHN D ; PALERMO PHILIP D ; RUEHL JOHN W ; SCHULTE STEPHEN R ; THOMAS JAMES M C ; ULRICH DAVID J ; WEISMILLER MATTHEW W ; WUKUSICK PETER M

11) Family number: 33496885 (WO0147340A2)

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Title: HOSPITAL BED

Abstract: A patient support comprising a frame, a deck supported by the frame, a mattress supported by the deck, an actuator configured to move at least one of a portion of the frame and a portion of the deck, and a control configured to control movement of the actuator, the control including a control member and a field sensor configured to detect a change in a field caused by a change in position of the control member to control operation of the actuator based upon the change in position of the control member.

Classifications:

International (IPC 8-9): A47C21/08 A61G7/00 A61G7/05 A61G7/075

A61H23/02 (Advanced/Invention);

A61G7/012 A61G7/015 A61G7/018 A61G7/053 A61G7/057 (Advanced/Non-invention)

International (IPC 1-7): A61G7/00

CPC: A61B5/1115 A61G7/00 A61G7/005 A61G7/018 A61G7/05

A61G7/0506 A61G7/053 A61G7/05715 A61G7/05769 A61G7/0755

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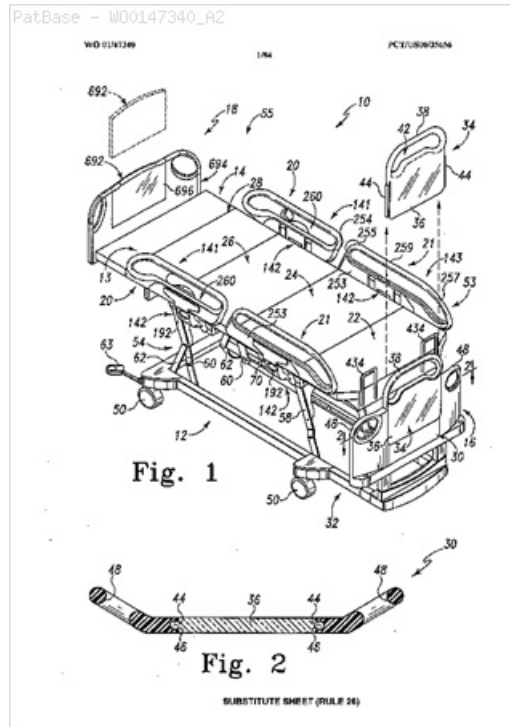
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K61G7/05S4A2 K61G7/05W1 K61G7/05Z1 K61G7/08

**Family:**

Publication number	Publication date	Application number	Application date
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■ EP1754462 A2	20070221	EP20060077064	20001229
■ EP1754462 A3	20080827	EP20060077064	20001229
■ EP1754462 B1	20160713	EP20060077064	20001229
■ WO0147340 A2	20010705	WO2000US35656	20001229
■ WO0147340 C2	20021003	WO2000US35656	20001229

Priority:

US19990173428P 19991229 US19990173428P 19991229 EP20000990419 20001229

Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): HILL ROM SERVICES INC

Inventor(s): (std): OSBORNE EUGENE E ; SUTTMAN GLENN C ; WILKER JACK B JR ; WILKER JACK JR ; WELLING JEFFREY R ; VISCA MATTHEW ; VALVANO DEAN M ; KRAMER KENNETH L ; KINKER ROBERT A JR ; BRANSON GREGORY W ; BATTI NICHOLAS C ; SUTTMANN GLENN C ; OSBORN EUGENE E ; KOENIG JOHN W ; JOHN W KOENIG ; GLENN C SUTTMANN ; EUGENE E OSBORN ; SUTTMANN EUGENE E OSBORN JOHN ; GANANCE FRANCIS C ; FINDLAY JAMES K ; DICKMAN BRUCE E JR ; JACQUES WILLIAM L II

Inventor(s): JACQUES WILLIAM L ; DICKMAN BRUCE E ; EUGENE E OSBORN JOHN W KOENIG GLENN C SUTTMANN ; KINKER ROBERT A

Agent(s): FINDLAY ALICE ROSEMARY ET AL; FINDLAY ALICE ROSEMARY

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 DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

12) Family number: 33496650 (EP1242030A1)

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Title: HOSPITAL BED

Abstract: A patient support comprising a frame, a deck supported by the frame, a mattress supported by the deck, an actuator configured to move at least one of a portion of the frame and a portion of the deck, and a control configured to control movement of the actuator, the control including a control member and a field sensor configured to detect a change in a field caused by a change in position of the control member to control operation of the actuator based upon the change in position of the control member.

Classifications:

International (IPC 8-9): A47C21/08 A61G7/00 A61G7/012 A61G7/015 A61G7/018 A61G7/05 A61G7/053 A61G7/057 A61G7/075

A61H23/02 (Advanced/Invention);

A61G7/012 A61G7/015 A61G7/018 A61G7/05 A61G7/053 A61G7/057

A61H23/02 (Advanced/Non-invention);

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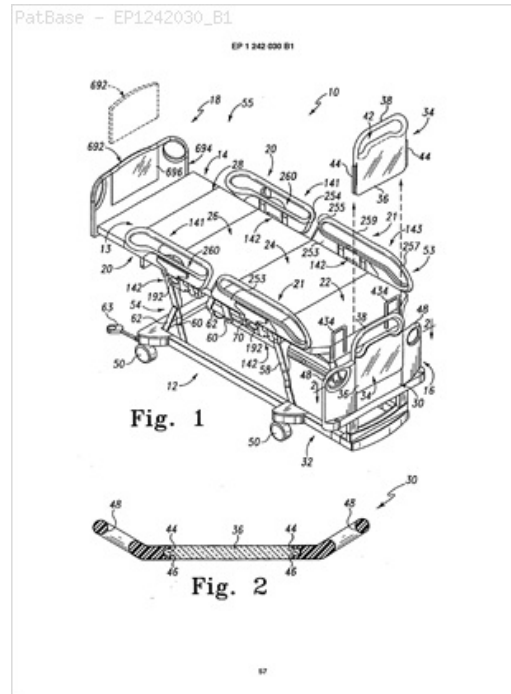
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Priority:

US19990173428P 19991229 EP20000990419 20001229 EP20060077064 20001229
WO2000US35656 20001229

Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): HILL ROM SERVICES INC

Assignee(s): HILL-ROM SERVICES, INC. ; VISCA MATTHEW ; WELLING JEFFREY R ; JACQUES WILLIAM L II ; KINKER ROBERT A JR ; SUTTMANN GLENN C ; KOENIG JOHN W ; KRAMER KENNETH L ; VALVANO DEAN M ; OSBORN EUGENE E ; WILKER JACK JR ; BRANSON GREGORY W ; DICKMAN BRUCE E JR ; FINDLAY JAMES K ; GANANCE FRANCIS C

Inventor(s): (std): OSBORN E ; OSBORN EUGENE E ; OSBORNE EUGENE E ; SUTTMANN GLENN C ; SUTTMANN C ; SUTTMANN GLENN C ; VALVANO DEAN M ; VALVANO M ; VISCA MATTHEW ; WELLING JEFFREY R ; WELLING R ; WILKER JACK ; WILKER JACK B JR ; WILKER JACK JR ; WILLIAM L JACQUES II ; ROBERT A KINKER JR ; MATTHEW VISCA ; KINKER ROBERT A ; KENNETH L KRAMER ; JOHN W KOENIG ; JEFFREY R WELLING ; JAMES K FINDLAY ; JACQUES WILLIAM L ; JACK WILKER JR ; GREGORY W BRANSON ; GLENN C SUTTMANN ; FRANCIS C GANANCE ; EUGENE E OSBORNE ; DICKMAN BRUCE E ; DEAN M VALVANO ; BRUCE E DICKMAN JR ; FINDLAY JAMES K ; FINDLAY K ; GANANCE C ; GANANCE FRANCIS C ; JACQUES L ; JACQUES WILLIAM L II ; KINKER A ; KINKER ROBERT A JR ; KOENIG JOHN W ; KOENIG W ; KRAMER KENNETH L ; KRAMER L ; BATTIA NICHOLAS C ; BRANSON GREGORY W ; BRANSON W ; DICKMAN BRUCE E JR ; DICKMAN E

Inventor(s): EUGENE E OSBORN ; NICHOLAS C BATTIA

Agent(s): MACRAE AND CO ; FINDLAY ALICE ROSEMARY ; ISSHIKI AND CO

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 DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

13) Family number: 33496100 (US2001032362A)

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Title: MATTRESS HAVING A RETRACTABLE FOOT SECTION

Abstract: A bed for a person is provided. The bed includes a frame, a deck, a mattress, a pair of head end siderails, and a pair

of foot end siderails. The deck includes a retractable foot section. The mattress includes a foot portion positioned over the retractable foot section. The foot portion includes a calf support portion and a heel-pressure relief portion.

Classifications:

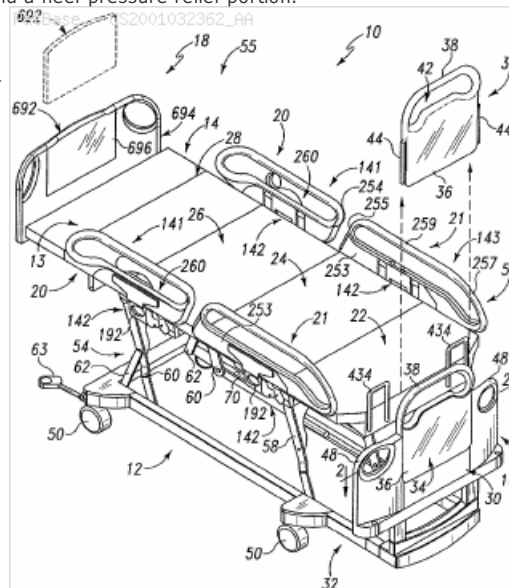
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International (IPC 1-7): A47B71/00 A61G7/057

CPC: A61B5/1115 A61G7/00 A61G7/005 A61G7/018 A61G7/05 A61G7/0506 A61G7/053 A61G7/05715 A61G7/05769 A61G7/0755 A61G7/08 A61G2203/12 A61G2203/16 A61G2203/20 A61G2203/36 A61G2203/40 A61G2203/44 A61G2203/726 A61G2203/34 A61G7/015 A61G7/012 A61G7/0507 A61G7/0509 A61G7/051 A61G7/0513 A61G7/0514 A61G7/0524 A61G7/0527 A61G7/0528

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US: 5/600 5/600P 5/624 5/713 5/734 5/740



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US19970059772P 19970923 US19980120125 19980722 US19990173428P 19991229
US20000750859 20001229

Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): HILL ROM SERVICES INC ; WELLING JEFFREY R

Assignee(s): BRANSON GREGORY W ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS

Inventor(s): (std): BRANSON GREGORY W ; WELLING JEFFREY R

14) Family number: 42244894 (US2002014951A)

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Title: REMOTE CONTROL FOR A HOSPITAL BED

Abstract: A remote control system includes beds, remote controls, and a master station in communication with the beds and the remote controls. Each bed is adapted to receive requests from a patient associated with the bed, and each remote control is adapted to present requests to a caregiver associated with the remote control. The master station is adapted to receive a nurse call request from a patient via a bed, to identify a remote control that is associated with a caregiver for the patient, and to transmit the nurse call request to the remote control identified as being associated with the caregiver for the patient.

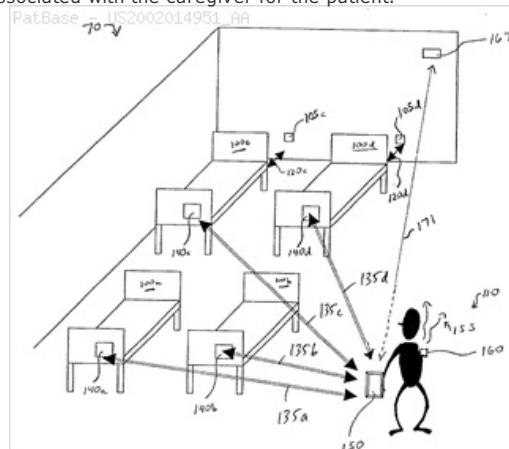
Classifications:

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International (IPC 1-7): A47B1/03 A47B1/05 A47B23/00 A47B23/04 A47B9/20 A47C23/00 A47C31/00 A47F5/00 A61B19/00 A61B5/00 A61B5/0205 A61B5/021 A61B5/024 A61B5/0402 A61B5/08 A61B5/145 A61G10/02 A61G10/04 A61G11/00 A61G12/00 A61G5/00 A61G5/02 A61G7/018 A61G7/05 A61H3/00 A61H3/04 A61J1/14 A61J7/04 A61M16/00 A61M5/00 A61M5/14 A61N1/39 G05B23/00 G06F1/00 G06F17/00 G06F17/60 G06F19/00 G06F19/00 G06F7/04 G08B1/00 G08B13/14 G08B13/14 G08B21/00 G08B21/02 G08B23/00 G08B25/00 G08B25/10 G08B3/00 G08B3/10 G08B5/22 G08B5/22

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Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): HORNBAACH DAVID W ; MAHER PATRICIA ; JACQUES II WILLIAM L ; KRAMER KENNETH L ; ZERHUSEN ROBERT M ; WALKER MICHELLE L ; REEDER RYAN A ; RILEY CARL W ; WILDMAN TIMOTHY D ; VOGEL JOHN D ; ST CLAIR NANCY ; STRECKER ROBERT J ; RICHARDS JOHN H ; MCDERMOTT IAN ; SCHUMAN RICHARD J ; REEDER RYAN ANTHONY ; WALKER MICHELLE LARSEN ; ZERHUSEN ROBERT MARK ; BAGNELL JOSEPH P ; CERIMELE MICHAEL E ; BOONE OTHO N ; DRAEGER MEDICAL SYSTEMS INC ; GEORGE CHRISTOPHER M ; DRAEGER MEDICAL INFANT CARE INC ; HILL ROM SERVICES INC ; JACQUES WILLIAM L

Assignee(s): LESTIENNE JAMES ; DRAEGER MEDICAL INC ; DRAEGER MEDICAL INFANT CARE INC ; HAUSMAN PHILLIP ; CLAIR NANCY ST ; BOONE OTHO ; HILL ROM SERVICES INC A DELAWARE CORP ; HILL ROM SERVICES INC INDIANA CORP ; JACQUES WILLIAM L II ; HILL ROM SERVICES INC (INDIANA CORPORATION) ; HILL ROM SERVICES INC INDIANA CORPORATION ; HILL ROM SERVICES INC (A DELAWARE CORPORATION) ; HILL ROM SERVICES INC A DELAWARE CORPORATION ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; HILL ROM SERVICES INC BATESVILLE ; RILEY CARL WILLIAM ; ROTHWELL MICHAEL W ; MAHER PATRICIA S

Inventor(s): (std): BAGNELL JOSEPH P ; BOONE OTHO ; BOONE OTHO N ; CLAIR NANCY ST ; ECKSTEIN GERALD D ; GEORGE CHRISTOPHER ; GEORGE CHRISTOPHER M ; GOULD RAYMOND C ; HAUSMAN PHILLIP ; JACQUES WILLIAM L ; JACQUES WILLIAM L II ; KRAMER KENNETH L ; LESTIENNE JAMES ; LESTINNE JAMES ; MAHER PATRICIA ; MAHER PATRICIA S ; MCDERMOTT IAN ; CERIMELE MICHAEL ; CERIMELE MICHAEL E ; HORNBAACH DAVID W ; REEDER RYAN ; REEDER RYAN A ; REEDER RYAN ANTHONY ; RICHARDS JOHN ; RICHARDS JOHN H ; RILEY CARL ; RILEY CARL W ; JACQUES II WILLIAM L ; RILEY CARL WILLIAM ; ROTHWELL MICHAEL W ; RUDOLPH KEN Q ; SCHUMAN RICHARD ; SCHUMAN RICHARD J ; ST CLAIR NANCY ; STRECKER ROBERT J ; WALKER MICHELLE ; WALKER MICHELLE L ; WALKER MICHELLE LARSEN ; WILDMAN TIMOTHY ; WILDMAN TIMOTHY D ; VOGEL JOHN ; VOGEL JOHN D ; ZERHUSEN ROBERT ; ZERHUSEN ROBERT M ; ZERHUSEN ROBERT MARK

Inventor(s): ZERHUSEN ROBERT M CINCINNATI ; VOGEL JOHN D COLUMBUS ; WILDMAN TIMOTHY D METAMORA ; WILLIAM L JACQUES II ; TIMOTHY D WILDMAN ; RYAN A REEDER ; RYAN ANTHONY REEDER ; ROBERT J STRECKER ; ROBERT M ZERHUSEN ; JACQUES WILLIAM ; RILEY CARL W MILAN ; REEDER RYAN ANTHONY CARMEL ; RICHARD J SCHUMAN ; IAN MCDERMOTT ; CERIMELE MICHAEL E CHARDON ; MICHAEL E CERIMELE ; MICHAEL W ROTHWELL ; NANCY ST CLAIR ; OTHO BOONE ; OTHO N BOONE ; PHILLIP HAUSMAN ; JACQUES WILLIAM LII ; JAMES LESTIENNE ; JOHN D VOGEL ; JOHN H RICHARDS ; JOSEPH P BAGNELL ; KENNETH L KRAMER ; KRAMER KENNETH ; HORNBAACH DAVID ; CARL W RILEY

Agent(s): MACRAE AND CO ; BEYER PATENT U RECHTSANWAELTE ; FINDLAY ALICE ROSEMARY ; FINDLAY ALICE ROSEMARY ET AL ; ISSHIKI AND CO ; INTELLECTUAL PROPERTY GROUP, BOSE MCKINNEY AND EVANS LLP ; INTELLECTUAL PROPERTY GROUP BOSE MCKINNEY AND EVANS LLP ; BOSE MCKINNEY AND EVANS LLP, JAMES COLES ; BOSE MCKINNEY AND EVANS LLP JAMES COLES ; BARNES AND THORNBURG LLP ; BOSE MCKINNEY AND EVANS LLP ; CAESAR RIVISE BERNSTEIN COHEN AND POKOTILOW LTD

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ 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 VC VN YU ZA ZM ZW

15) Family number: 33496517 (US6336235B)

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Title: CHAIR BED

Abstract: A patient support apparatus is provided having a base and a patient support platform having a head portion and a seat portion. The patient support apparatus further includes a plurality of links configured to coordinate movement of the head portion of the patient support platform relative to the seat portion of the patient support platform.

Classifications:

International (IPC 8-9): A47C17/17 A61G7/00 A61G7/002 A61G7/008

A61G7/015 A61G7/053 A61H3/04 (Advanced/Invention);

A61G5/14 A61G7/005 A61G7/012 A61G7/02 A61G7/05

A61G7/10 (Advanced/Non-invention);

A47C17/00 A61G7/00 A61G7/002 A61G7/008 A61G7/05

A61H3/00 (Core/Invention);

A61G5/00 A61G7/005 A61G7/02 A61G7/10 (Core/Non-invention)

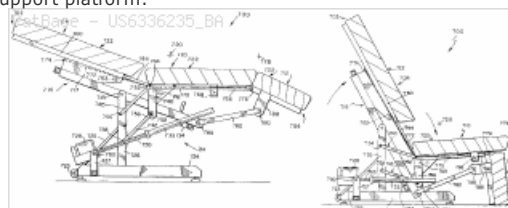
International (IPC 1-7): A61G7/053

CPC: A61G7/0506 A61G2203/20 A61G7/0507 A61G5/14 A61G7/00

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A61G2200/32 A61G2200/34 A61G2203/74 A61H3/04 A61H2003/046 A61G7/0509 A61G7/0514 A61G7/052 A61G7/0524

A61G7/0527



European: A61G7/00 A61G7/002 A61G7/008 A61G7/015 A61G7/018 A61G7/053 A61G7/05S A61G7/16 A61H3/04 K61G200/32 K61G200/34 K61G203/74 K61G5/14 K61G7/005 K61G7/012 K61G7/02 K61G7/05 K61G7/05S12 K61G7/05S14 K61G7/05S2A K61G7/05S2B K61G7/05S4A2 K61G7/05W1 K61G7/10N8 K61H3/04B
US: 297/354.13 5/610 5/618 5/624

Family:

Publication number	Publication date	Application number	Application date
US6336235 BA	20020108	US20000655127	20000905

Priority:

US19940186657 19940125 US19950511711 19950804 US19980018542 19980204
US20000655127 20000905

Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): HILL ROM SERVICES INC

Inventor(s): (std): RUEHL JOHN W

16) Family number: 33496101 (US2002002742A)

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Title: FOOT CONTROLS FOR A BED

Abstract: A bed for a person is provided. The bed includes a frame, a deck, a mattress, a pair of head end siderails, and a pair of foot end siderails. The bed further includes a plurality of foot-operated controls configured to control features of the bed.

Classifications:

International (IPC 8-9): A47C21/08 A61G7/00 A61G7/05 A61G7/075

A61H23/02 (Advanced/Invention);

A61G7/012 A61G7/015 A61G7/018 A61G7/053 A61G7/057 (Advanced/Non-invention)

International (IPC 1-7): A47B7/00 A47B7/02 A47B71/00

CPC: A61B5/1115 A61G7/00 A61G7/005 A61G7/018 A61G7/05

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A61G7/08 A61G2203/12 A61G2203/16 A61G2203/20 A61G2203/36

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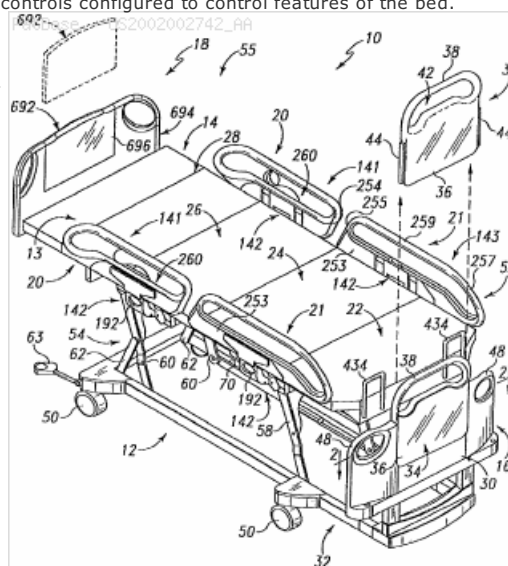
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K61G7/057K K61G7/05S14 K61G7/05S2A K61G7/05S2B K61G7/05S4A

K61G7/05S4A2 K61G7/05W1 K61G7/05Z1 K61G7/08

US: 5/600 5/600P 5/611 5/616



Family:

Publication number	Publication date	Application number	Application date
US2002002742 AA	20020110	US20000751031	20001229
US6691346 BB	20040217	US20000751031	20001229

Priority:

US19990173428P 19991229 US20000751031 20001229

Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): HILL ROM SERVICES INC ; SUTTMAN GLENN C ; VISCA MATTHEW ; WILKER JACK

Assignee(s): JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; KOENIG JOHN W ; OSBORNE EUGENE E

Inventor(s): (std): KOENIG JOHN W ; OSBORNE EUGENE E ; SUTTMAN GLENN C ; VISCA MATTHEW ; WILKER JACK ; WILKER JR JACK

17) Family number: 33496102 (US2002059679A)

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Title: HOSPITAL BED

Abstract: A method is provided for permitting a module which is configured to perform a dedicated function on a bed to use a graphical interface. Graphic format data used by the module is downloaded, if necessary, and stored in a memory of the graphical interface.

Classifications:

International (IPC 8-9): A47C17/17 A61G7/00 A61G7/002 A61G7/008

A61G7/015 A61G7/053 A61H3/04 (Advanced/Invention);

A61G5/14 A61G7/005 A61G7/012 A61G7/02 A61G7/05

A61G7/10 (Advanced/Non-invention)

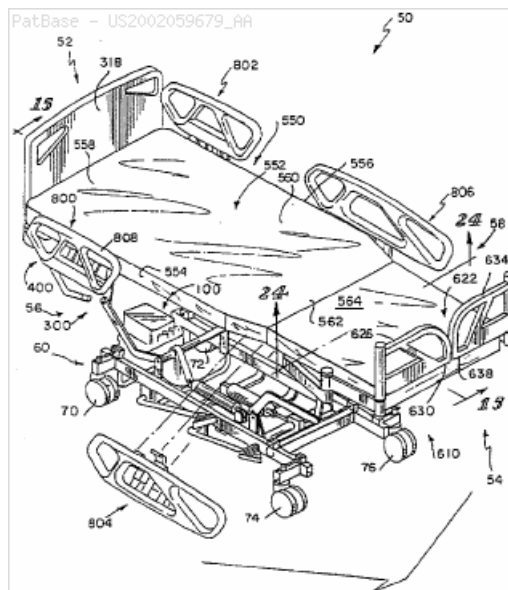
International (IPC 1-7): A47B7/00

CPC: H04L67/12 A61G7/008 A61G5/14 A61G7/00 A61G7/002 A61G7/005

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A61G7/05769 A61G7/05776 A61G7/16 A61G2200/56 A61G2203/32

US: 5/425 5/600 5/610 5/610P 5/658



Publication number	Publication date	Application number	Application date
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US7017208 BB	20060328	US20010028833	20011220

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Agent(s): BOSE MCKINNEY AND EVANS LLP

Publication number	Publication date	Application number	Application date
US2002066142 AA	20020606	US20000750741	20001229

Priority:

US19990173428P 19991229 US20000750741 20001229

Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): SUTTMAN GLENN C ; WILKER JACK ; WELLING JEFFREY R ; HILL ROM SERVICES INC

Assignee(s): JACQUES WILLIAM L ; BRANSON GREGORY W ; DICKMAN BRUCE E ; FINDLAY JAMES K ; GANANCE FRANCIS C ; OSBORNE EUGENE E ; KOEING JOHN W ; VISCA MATTHEW ; VALVONA DEAN M ; KINKER ROBERT A ; KRAMER KENNETH L ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS

Inventor(s): (std): BRANSON GREGORY W ; DICKMAN BRUCE E ; DICKMAN JR BRUCE E ; FINDLAY JAMES K ; GANANCE FRANCIS C ; JACQUES II WILLIAM L ; JACQUES WILLIAM L ; KINKER JR ROBERT A ; KINKER ROBERT A ; KOEING JOHN W ; KOENIG JOHN W ; KRAMER KENNETH L ; OSBORNE EUGENE E ; SUTTMAN GLENN C ; VALVANO DEAN M ; VALVONA DEAN M ; VISCA MATTHEW ; WELLING JEFFREY R ; WILKER JACK ; WILKER JR JACK

19) Family number: 23203953 (US2004232283A)

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Title: SEATING SYSTEM AND A PASSENGER ACCOMMODATION UNIT FOR A VEHICLE

Abstract: A passenger seat assembly for a vehicle, particularly an aircraft, which is adapted to provide self-contained, individual seating and sleeping accommodation for a passenger, said seat assembly comprising: supporting structure (42) for supporting said assembly off the floor of a vehicle; one or more movable passenger-bearing, structural components (71,72); and means for connecting said movable, structural components to said structure such that said components can be selectively moved between a seat configuration, in which a plurality of passenger-bearing surfaces on said one or more structural, movable components (71,71) or said supporting structure form a seat for the passenger, and a bed configuration, in which a plurality of said bearing surfaces (47,48,67,74,76) are disposed substantially coplanarly and substantially contiguously to form a bed for the passenger; characterised in that at least one of said movable components (72) is double-sided, comprising first and second opposite sides, one of said sides having a first seat surface (73) that forms part of the seat in said seat configuration, and the other side having a second bed surface (74) that forms part of said bed in said bed configuration.

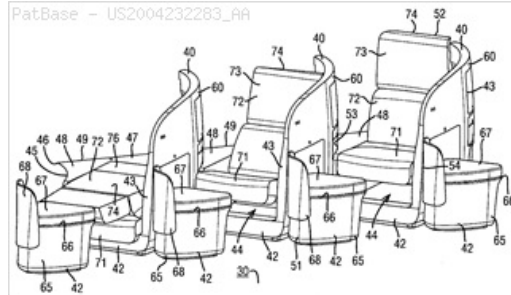
Classifications:

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European: A47C17/16B B60N2/02B4 B60N2/20T B60N2/30B6B B60N2/30C6B B60N2/30M2 B60N2/34 B64D11/00 B64D11/06 L64D11/06A10 L64D11/06A2 L64D11/06A28 L64D11/06A32 L64D11/06A8

US: 1/1 244/118.5 244/118.500P 244/118.6 244/118.600P 244/118.600S 244/122.00R 244/122R 244/185 297/118 297/232 297/248 297/248P 297/340 297/342 297/343 297/344.17 297/354.13 297/354.130S 297/423.1



Family:

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Priority:

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US20150635260	20150302				

Probable Assignee: VIRGIN ATLANTIC AIRWAYS LTD

Assignee(s): (std): DOY GARY ; FERRY DAVID ; LAWLER ANDREW L ; LAWLER ANDREW LESLIE ; MILES LUKE ; STARKEY DAVID EDWARD ; MILLS SIMON FREDERICK ; STARKEY DAVID E ; MILLS SIMON F ; VIRGIN AIRWAYS LTD ; VIRGIN ATLANTIC AIRWAYS LTD ; WELLS ADAM BERNARD ; WELLS ADAM B ; VIRGINIA ATLANTA AIRWAYS LTD ; VIRGINIA ATLANTIC AIRWAYS LTD

Assignee(s): VIRGIN ATLANTIC AIRWAYS LTD CRAWLEY ; VIRGINIA ATLANTIC AIRWAYS LIMITED ; VIRGINIA ATLANTA AIRWAYS LIMITED ; VIRGIN ATLANTIC AIRWAYS LIMITED

Inventor(s): (std): ADAM BERNARD WELLS ; ANDREW LESLIE LAWLER ; DAVID EDWARD STARKEY ; DAVID FERRY ; DOY GARY ; FERRY DAVID ; FERRY DAVID WELLS ADAM BERNARD MILES LUKE LAWLER A ; FREDERICK MILLS SIMON ; GARY DOY ; LAWLER ANDREW ; LAWLER ANDREW LESLIE ; LUKE MILES ; MILES LUKE ; MILLS SIMON FREDERICK ; MILLS SIMON FREDERICK DOY GARY ; SIMON FREDERICK MILLS ; STARKEY DAVID EDWARD ; STARKEY DAVID EDWARD AND ; WELLS ADAM BERNARD ; WELLS ADAM B ; STARKEY DAVID E ; MILLS SIMON F ; LESLIE LAWLER ANDREW ; LAWLER ANDREW L ; GARY MILLS SIMON FREDERICK DOY ; FRE FERRY DAVID WELLS ADAM BER ; FERRY DAVID VIRGIN ATLAN ; EDWARD STARKEY DAVID ; BERNARD WELLS ADAM

Inventor(s): FERRY DAVID WELLS ADAM BERNARD MILES LUKE... ; FERRY DAVID WELLS ADAM BERNARD MILES LUKE LAWLER ANDREW LESLIE STARKEY DAVID EDWARD MILLS SIMON FREDERICK DOY GARY ; FERRY DAVID VIRGIN ATLANTIC AIRWAYS LTD ; MILLS SIMON ; STARKEY DAVID ; WELLS ADAM ; STARKEY DAVID EDWARD ROSSMORE ; ANDREW LAWLER

Agent(s): FB RICE ; FB RICE PTY LTD ; MCCARTHY TETRAULT LLP ; BOCKHORN AND KOLLEGEN PATENT U RECHTSANWALTE ; DEHNS ; BROWN FRASER GREGORY JAMES ; DAVIES CHRISTOPHER ROBERT ; SUGIMURA KOSAKU ; RATNERPRESTIA ; KLARQUIST SPARKMAN LLP ; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO PC

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 VC VN YU ZA ZM ZW

20) Family number: 33496121 (US2004034936A)

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Title: PATIENT SUPPORT

Abstract: A bed for a person is provided. The bed includes a deck and/or a mattress having an adjustable length.

Classifications:

International (IPC 8-9): A47C21/08 A61G7/00 A61G7/05 A61G7/075

A61H23/02 (Advanced/Invention);

A61G7/012 A61G7/015 A61G7/018 A61G7/053 A61G7/057 (Advanced/Non-invention)

International (IPC 1-7): A47B7/00 A61G7/015

CPC: A61B5/1115 A61G7/00 A61G7/005 A61G7/018 A61G7/05

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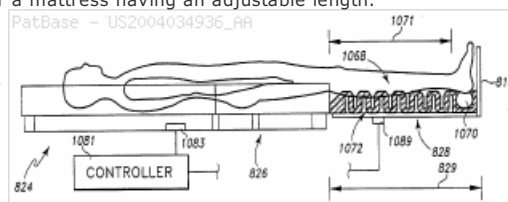
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US: 5/613 5/618 5/624 5/624P



Family:

Publication number	Publication date	Application number	Application date
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US6880189 BB	20050419	US20030648053	20030826

Priority:

US19990173428P	19991229	US20000750859	20001229	US20030648053	20030826
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Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): HILL ROM SERVICES INC

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

Inventor(s): (std): BRANSON GREGORY W ; WELLING JEFFREY R

Agent(s): BOSE MCKINNEY AND EVANS LLP

Title: FOOT CONTROLS FOR A BED**Abstract:** A bed for a person is provided. The bed includes a frame, a deck, and a mattress. The bed further includes a plurality of foot-operated controls configured to control features of the bed.**Classifications:****International (IPC 8-9):** A47C21/08 A61G7/00 A61G7/05 A61G7/075

A61H23/02 (Advanced/Invention);

A61G7/012 A61G7/015 A61G7/018 A61G7/053 A61G7/057 (Advanced/Non-invention)

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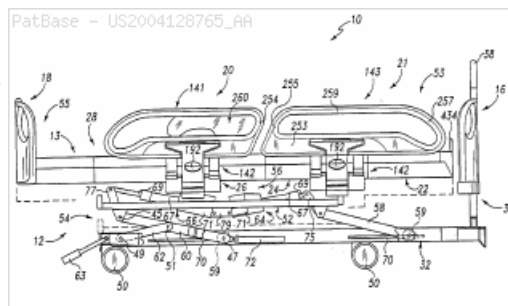
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K61G7/057K K61G7/05S14 K61G7/05S2A K61G7/05S2B K61G7/05S4A K61G7/05S4A2 K61G7/05W1 K61G7/05Z1 K61G7/08

US: 5/600 5/600P 5/611 5/611S 5/616 5/616S**Family:**

Publication number	Publication date	Application number	Application date
US2004128765 AA	20040708	US20030740169	20031218
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Priority:

US19990173428P 19991229 US20000751031 20001229 US20030740169 20031218

Probable Assignee: HILL ROM SERVICES INC**Assignee(s):** (std): HILL ROM SERVICES INC**Assignee(s):** JPMORGAN CHASE BANK NA COLLATERAL AGENT AS**Inventor(s):** (std): KOENIG JOHN W ; OSBORNE EUGENE E ; SUTTMAN GLENN C ; VISCA MATTHEW ; WILKER JACK ; WILKER JR JACK**Agent(s):** BOSE MCKINNEY AND EVANS LLP**Title:** HOSPITAL BED**Abstract:** A bed for a person is provided. The bed includes a frame, a deck including a seat section and a foot section movable relative to the seat section. The bed further including a mechanism that control movement of the foot section relative to the seat section.**Classifications:****International (IPC 8-9):** A47C21/08 A61G7/00 A61G7/05 A61G7/075

A61H23/02 (Advanced/Invention);

A61G7/012 A61G7/015 A61G7/018 A61G7/053 A61G7/057 (Advanced/Non-invention)

International (IPC 1-7): A47C21/08 A61G7/015 A61G7/018**CPC:** A61B5/1115 A61G7/00 A61G7/005 A61G7/018 A61G7/05

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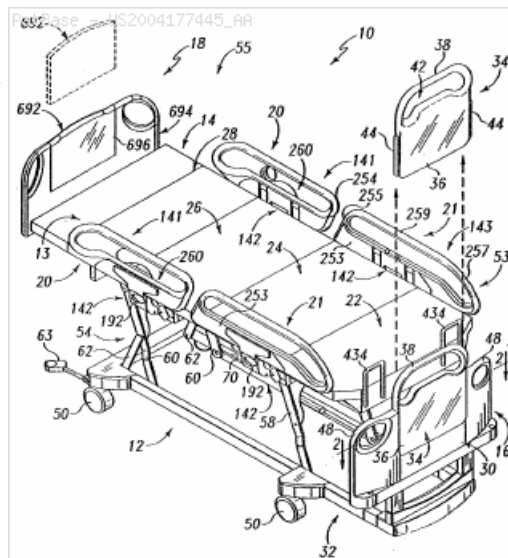
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US: 5/43 5/430 5/430S 5/507.1 5/507.100S 5/600 5/600P 5/616 5/617

5/617S 5/618 5/658 5/658S 5/905 5/905S

**Family:**

Probable Assignee: HILL ROM SERVICES INC
Assignee(s): (std): HILL ROM SERVICES INC
Assignee(s): JACQUES WILLIAM L ; OSBORNE EUGENE E ; SUTTMAN GLENN C ; WELLING JEFFREY R ; VISCA MATTHEW ; KOENIG JOHN W ; KRAMER KENNETH L ; KINKER ROBERT A ; VALVANO DEAN M ; WILKER JACK ; BRANSON GREGORY W ; DICKMAN BRUCE E ; FINDLAY JAMES K ; GANANCE FRANCIS C
Inventor(s): (std): WILKER JR JACK ; WILKER JACK ; WELLING JEFFREY R ; VISCA MATTHEW ; VALVANO DEAN M ; SUTTMAN GLENN C ; OSBORNE EUGENE E ; KRAMER KENNETH L ; KOENIG JOHN W ; KINKER ROBERT A ; KINKER JR ROBERT A ; JACQUES WILLIAM L ; JACQUES II WILLIAM L ; GANANCE FRANCIS C ; FINDLAY JAMES K ; DICKMAN JR BRUCE E ; DICKMAN BRUCE E ; BRANSON GREGORY W
Agent(s): BOSE MCKINNEY AND EVANS LLP

23) Family number: 33496192 (US2004177443A) © PatBase

Title: BED SIDERAIL HAVING A LATCH

Abstract: A patient support including a frame, a mattress supported by the frame, and siderails supported by the frame. A latch member is configured to prevent vertical movement of the siderail. A latch position indicator is configured to provide an indication of the position of the latch member.

Classifications:

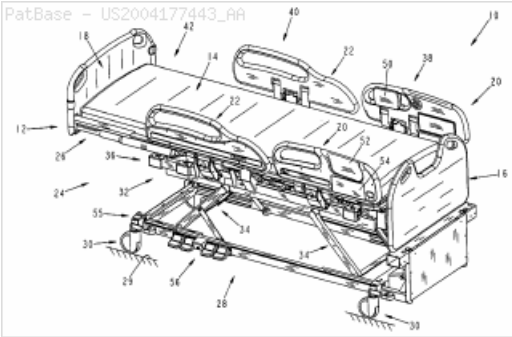
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International (IPC 1-7): A47C21/08

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US: 292/36 5/425 5/425S 5/428 5/428P 5/430 5/600 5/600S 5/611 5/618P 5/713S 56/11



Family:

Publication number	Publication date	Application number	Application date
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US7073220 BB	20060711	US20040811182	20040326
US7296312 BB	20071120	US20030657696	20030908

Priority:

US20020408698P 20020906 US20020409748P 20020911 US20030458720P 20030328
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US20040811182 20040326

Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): HILL ROM SERVICES INC

Assignee(s): JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; SIMMONDS SCOTT ; FINDLAY JAMES K ; GOODWIN BRENT

Inventor(s): (std): ALBERSMEYER DAVID A ; BATTI NICHOLAS C ; BHAI AZIZ ALI ; CHAMBERS KENITH W ; DIXON STEVE A ; FIGEL GREGORY J ; FINDLAY JAMES K ; GOODWIN BRENT ; HOFFMAN BRIAN J ; HORNBACK DAVID W ; KNUE MATTHEW R ; KRAMER KENNETH L ; LUBBERS DAVID P ; MENKEDICK DOUGLAS J ; MEYER ERIC R ; MURNYACK ROBERTA M ; OSBORNE EUGENE E ; PHILBECK ROGER S ; RICHTER TERRY L ; RIGGS TOM ; SCHEELE CAMI S ; SCHWARTZ STEVEN J ; SHENK JOSHUA W ; SIMMONDS SCOTT ; SKINNER ANDREW F ; STOLPMANN JAMES R ; SUTTMAN GLENN C ; VANDERPOHL III IRVIN J ; WEIL PAUL R ; WELLING JEFFREY R ; WILKER JR JACK ; ZERHUSEN ROBERT M

Agent(s): BOSE MCKINNEY AND EVANS LLP; BARNES AND THORNBURG LLP

24) Family number: 42153017 (US2004199996A) © PatBase

Title: RADIAL ARM SYSTEM FOR PATIENT CARE EQUIPMENT

Abstract: A system for supporting patient care equipment alongside a patient support is provided. In one embodiment, the system includes a plurality of arms supported by a support structure. The arms may be pivoted to either side of the patient support. The arms may be stored in a console. At least one of the arms may carry service conduits that provide medical air, oxygen, vacuum, nitrogen, nitrous oxide, or electricity.

Classifications:

International (IPC 8-9): A47B71/00 A47B96/06 A47C21/00 A47C31/00 A47F3/00 A47F5/00 A47F7/00 A47H1/10 A47K1/04 A61G12/00 A61G13/00 A61G7/00 A61G7/05 A61G7/10 A61M5/14 B60T13/04 B65H75/34 E04G5/06 F16D51/00 F16L3/00 F16L3/08 F16L3/22 F16M11/00 F16M11/04 F16M11/20 F16M11/40 F16M13/00

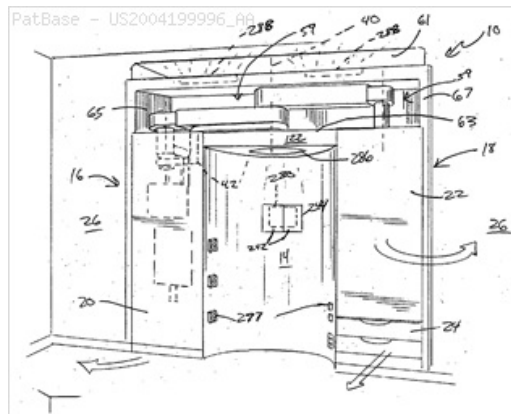
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A61G7/10 E04G5/06 (Advanced/Non-invention);
A47B71/00 A47B96/06 A47C21/00 A47C31/00 A47F3/00 A47F5/00
A47F7/00 A47H1/00 A47K1/00 A61G12/00 A61G13/00 A61G7/00
A61G7/05 A61G7/10 A61M5/14 B60T13/00 E04G5/00 F16L3/00 F16L3/08
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A61G7/10 E04G5/00 (Core/Non-invention)

International (IPC 1-7): A47C21/00 A61G10/00 A61G12/00 A61G13/00
A61G7/05 A61G7/10 F16L3/22

CPC: A61G12/004 A61G12/005 A61G12/008 A61G12/007 F16M2200/06
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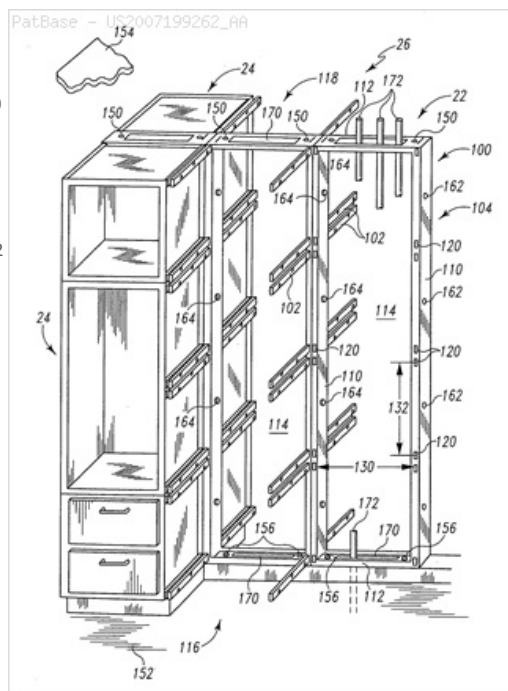
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EP2292202 B1	20130724	EP20100179885	20040317
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Probable Assignee: WITTRUCK ENTERPRISES LLC**Assignee(s):** (std): CERIMELE MICHAEL E ; GRAHAM MARK A ; GRAHAM MARK ALAN ; HILL ROM SERVICES INC ; NEWKIRK DAVID C ; REINKE CHRISTIAN H ; SCHWARTZ STEVEN J ; RUEHL JOHN W ; RUEHL JOHN WALTER ; TURNER JONATHAN D**Assignee(s):** WITTRUCK ENTERPRISES LLC ; HILL ROM SERVICES INC INDIANA CORP ; HILL ROM SERVICES INC (INDIANA CORPORATION) ; HILL ROM SERVICES INC INDIANA CORPORATION ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; HUNTINGTON NATIONAL BANK**Inventor(s):** (std): CERIMELE MICHAEL E ; GRAHAM MARK A ; GRAHAM MARK ALAN ; NEWKIRK DAVID C ; REINKE CHRISTIAN H ; RUEHL JOHN W ; RUEHL JOHN WALTER ; SCHWARTZ STEVEN J ; TURNER JONATHAN D**Inventor(s):** CERIMELE MICHAEL ; TURNER JONATHAN ; SCHWARTZ STEVEN ; RUEHL JOHN ; REINKE CHRISTIAN ; NEWKIRK DAVID ; GRAHAM MARK**Agent(s):** MACRAE AND CO ; FINDLAY ALICE ROSEMARY ; BARNES AND THORNBURG ; BARNES AND THORNBURG LLP ; BARNES AND THORNBURG LLP (HILL-ROM) ; BARNES AND THORNBURG LLP HILL ROM**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW**25) Family number: 32503725 (US2007199262A)**

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Title: PATIENT CARE MODULES FOR HOSPITAL WALLS**Abstract:** A modular wall system is provided for use in a healthcare facility to divide the available floor space into rooms and to support hospital equipment modules. The system includes a plurality of frame units configured to rest on the floor and extend vertically upwardly. The frame units form a grid of vertically and laterally spaced apart wall spaces having a predetermined height and a predetermined width. A plurality of patient care modules is configured to be positioned in the spaces to form a wall of the healthcare facility.**Classifications:****International (IPC 8-9):** A47B79/00 A47B81/00 A47B83/00 A47B87/00 A47B87/02 A47C17/04 A47C17/38 A47C17/52 A47F10/00 A47G29/02 A47K3/30 A47K4/00 A61B19/00 A61B5/0205 A61G10/00 A61G12/00 A61G3/00 A61G7/00 A61G7/05 B60P3/00 B60P3/14 B60P3/34 B60R99/00 E01H1/00 E04B1/00 E04B2/00 E04B2/74 E04H1/00 E04H3/08 (Advanced/Invention); A61B5/00 A61B5/021 A61B5/024 A61B5/0402 A61G12/00 (Advanced/Non-invention); A47B79/00 A47B81/00 A47B83/00 A47B87/00 A47C17/00 A47F10/00 A47G29/00 A47K3/28 A47K4/00 A61B19/00 A61B5/0205 A61G10/00 A61G12/00 A61G3/00 A61G7/00 A61G7/05 B60P3/00 B60P3/14 B60P3/32 B60R99/00 E01H1/00 E04B1/00 E04B2/00 E04B2/74 E04H1/00 E04H3/08 (Core/Invention); A61B5/00 A61B5/021 A61B5/024 A61B5/0402 A61G12/00 (Core/Non-invention)**International (IPC 1-7):** A47C17/38 A47F10/00 B60P3/00**CPC:** A61G3/001 A61G10/00 B60P3/14 A47B87/007 A47K3/30 A47K4/00 E04B2/7453 E04B2002/7483 E04B2002/7488 A61G12/005 A61G7/05 A47C17/52 A61B5/02055 A47B87/0284 A61B5/0002 A61B5/021 A61B5/024 A61B5/0402 A61B5/145 A61B2560/04 A61G2203/723 A61G12/00**European:** A47B87/00E A47B87/02D A47C17/52 A47K3/30 A47K4/00 A61B5/0205B A61G10/00 A61G12/00 A61G3/00A A61G7/05 B60P3/14 E04B2/74C5 K61B5/00B K61B5/021 K61B5/024 K61B5/0402 K61B5/145 K61B560/04 K61G12/00 P04B2/74P P04B2/74R**US:** 280/403 296/19 296/193.04 5/2.1 5/2.100 5/620 52/173.1 52/173.100 52/234 52/234P 52/36.1**Family:**

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Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): CARVER NATHAN I ; CHANCE RICHARD W ; HILL ROM SERVICES INC ; LE ROY FREDERIC ; LALOGUE DENNIS PAUL ; KRAMER KENNETH L ; LALOGUE DENNIS P ; KERN JULIE A

Assignee(s): KRAMER KENNETH ; KERN JULIE

Inventor(s): (std): CARVER NATHAN I ; CHANCE RICHARD W ; KERN JULIE A ; KRAMER KENNETH L ; LALOGUE DENNIS P ; LALOGUE DENNIS PAUL ; LE ROY FREDERIC

Inventor(s): CARVER NATHAN ; LALOGUE DENNIS ; KRAMER KENNETH ; KERN JULIE ; CHANCE RICHARD

Agent(s): ISSHIKI AND CO; BARNES AND THORNBURG LLP

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

26) Family number: 32653993 (US2006085919A)

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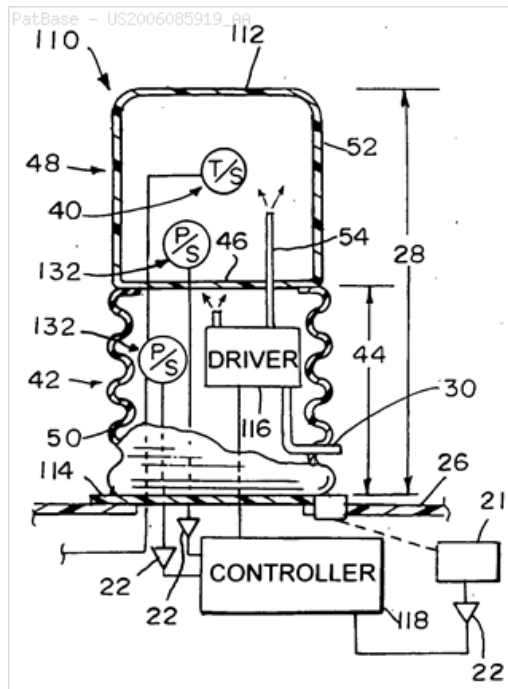
Title: DYNAMIC CELLULAR PERSON SUPPORT SURFACE

Abstract: A person support surface comprises a multitude of inflatable cells. The cells are inflated and deflated to adjust an interface pressure between the person support surface and a person supported by the surface.

Classifications:

International (IPC 8-9): A47B83/02 A47C1/00 A47C1/02 A47C1/024 A47C1/034 A47C1/035 A47C13/00 A47C16/00 A47C20/00 A47C20/02 A47C20/04 A47C27/08 A47C27/10 A47C27/14 A47C4/00 A47C7/00 A47C7/02 A47C7/14 A47C7/34 A47C7/40 A47C7/50 A47C7/54 A47C7/62 A47C7/68 A47C7/72 A47C7/74 A47K13/00 A47K13/10 A47K17/02 A47K3/28 A47K4/00 A61G12/00 A61G5/00 A61G5/04 A61G5/10 A61G7/00 A61G7/05 A61H15/00 A61H15/02 A61H3/04 A61H7/00 B60K1/02 B60N2/00 B60N2/02 B68G5/00 E03D11/00 E03D11/02 E03D9/08 F16H25/16 (Advanced/Invention); A47C27/10 A47C27/14 (Advanced/Non-invention); A47C1/031 A47C16/00 A47C20/00 A47C27/08 A47C27/10 A47C27/14 A47C4/00 A47C7/00 A47C7/02 A47C7/14 A47C7/40 A47C7/54 A47C7/62 A47C7/72 A61G5/00 A61G7/00 A61G7/05 A61H15/00 A61H7/00 B60N2/00 B60N2/02 B68G5/00 (Core/Invention); A47C27/10 A47C27/14 (Core/Non-invention) **CPC:** F16H25/16 Y10S297/10 Y10S180/907 A47C1/022 A47C1/023 A47C1/03 A47C1/035 A47C1/0352 A47C3/38 A47C7/54 A47C7/70 A47C7/72 A47C7/725 A47C7/748 A47C31/008 A61G7/05776 A47C7/022 A47C27/082 A47C27/083 A47C27/10 A47C31/126 A61G7/015 A61G7/1021 A61G7/16 A61G2200/32 A61G2200/325 A61G2203/32 A61G2203/34 A61G2203/40 A61G2210/70 A61G2210/90 A61H9/0078 A61H2201/0134 A61H2201/0138 A61H2201/0207 A61H2201/0214 A61H2201/025 A61H2201/1215 A61H2201/1246 A61H2201/149 A61H2201/1664 A61H2201/5002 A61H2201/5061 A61H2201/5071 A61H2201/5082 A61G2203/44 A61G2203/46 Y10T74/18664 A47C7/506 A61G5/0833 A61G5/0891 A61G5/1094 A61G5/125 A61G5/128 A61G7/0527 A61G7/165 A61G5/045 A47C7/62 A47K3/003 A47K3/006 A47K3/122 A47K3/281 A47K3/282 A47K13/10 A47K17/022 A47K17/024 A47K17/026 A61G5/00 A61G5/006 A61G5/042 A61G5/061 A61G5/10

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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): DAVID SCHWANEMANN ; DAVID ULRICH ; DANIEL ULRICH ; DOUGLAS BORGMAN ; DAHNEKE MARSHALL S ; KRAMER KENNETH L ; GANANCE FRANCIS C ; HARDY RUSSELL L ; MILLER JOHN D ; GAAG FRANZ ; KOLOSKI PETER A ; LOTHROP THORNTON K ; GAAG FRANZ R ; MARSHALL DAHNEKE ; KENNETH KRAMER ; JOHN BIONDO ; JOHN MILLER ; HILL ROM SERVICES INC ; ACTON TROY D ; BERGER RYAN R ; BIONDO JOHN P ; BORGMAN DOUGLAS E ; SCHWANEMANN DAVID T ; SCHULTZ SCOTT A ; ULRICH DAVID J ; ULRICH DANIEL J ; TEUFEL RAINER B ; REED WILCOX ; THORNTON LOTHROP ; RAINER TEUFEL ; PETER KOLOSKI ; RYAN BERGER ; WILCOX REED N

Assignee(s): FRANZ GAAG ; HILL ROM SERVICES INC INDIANA CORP ; HILL ROM SERVICES INC INDIANA CORPORATION ; HILL ROM SERVICES INC (INDIANA CORPORATION) ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS

Inventor(s): (std): ACTON TROY D ; BERGER RYAN R ; BIONDO JOHN P ; BORGMAN DOUGLAS E ; DAHNEKE MARSHALL S ; HARDY RUSSELL L ; GAAG FRANZ ; GAAG FRANZ R ; GANANCE FRANCIS C ; KOLOSKI PETER A ; KRAMER KENNETH L ; MILLER JOHN D ; LOTHROP THORNTON K ; SCHWANEMANN DAVID T ; TEUFEL RAINER B ; SCHULTZ SCOTT A ; ULRICH DANIEL J ; ULRICH DAVID J ; WILCOX REED N

Inventor(s): ACTON TROY ; WILCOX REED ; ULRICH DAVID ; SCHWANEMANN DAVID ; THORNTON K LOTHROP ; TROY D ACTON ; ULRICH DANIEL ; SCOTT A SCHULTZ ; TEUFEL RAINER ; MARSHALL S DAHNEKE ; MILLER JOHN ; PETER A KOLOSKI ; RAINER B TEUFEL ; REED N WILCOX ; RUSSELL L HARDY ; RYAN R BERGER ; SCHULTZ SCOTT ; LOTHROP THORNTON ; KRAMER KENNETH ; HARDY RUSSELL ; GANANCE FRANCIS ; JOHN D MILLER ; JOHN P BIONDO ; KENNETH L KRAMER ; KOLOSKI PETER ; DANIEL J ULRICH ; DAVID J ULRICH ; DAVID T SCHWANEMANN ; DOUGLAS E BORGMAN ; FRANCIS C GANANCE ; FRANZ GAAG ; DAHNEKE MARSHALL ; BORGMAN DOUGLAS ; BIONDO JOHN ; BERGER RYAN

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; ISSHIKI AND CO; BARNES AND THORNBURG; BARNES AND THORNBURG LLP

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

27) Family number: 32791848 (US2006075558A)

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Title: AMBULANCE COT AND HYDRAULIC ELEVATING MECHANISM THEREFOR

Abstract: An ambulance cot is disclosed and the ambulance cot has, if desired, a wheel supported base and a litter raisable and lowerable by a powered elevating mechanism oriented between the base and the litter. The ambulance cot also has wireless communication capability to facilitate communication between the ambulance cot and a loading system on an ambulance as well as facilitating wireless troubleshooting via a handheld wireless unit. The ambulance cot also has a longitudinally extendable head section. The ambulance cot also has several accessories, such as an accessory hook mounted to the underside of the fowler, and a collapsible pouch accessory fastened to the retractable head section and the litter frame.

Classifications:

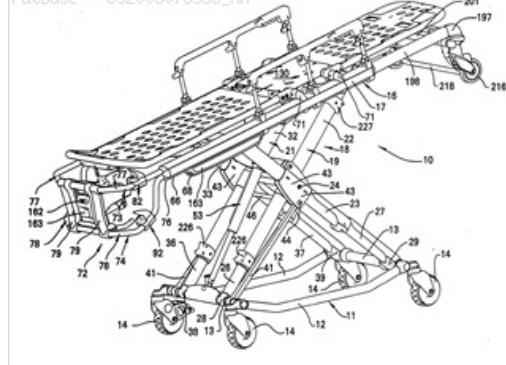
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CPC: A61G1/0262 A61G1/0237 A61G3/0816 A61G1/0212 A61G1/0293 A61G1/0567 A61G1/013 A61G1/04 A61G1/048 A61G1/052 A61G7/0509 A61G7/0513

European: A61G1/02 A61G1/02A1 A61G1/02P A61G1/04 A61G1/048 A61G1/056D1 A61G3/08 K61G1/013 K61G1/02P K61G1/052 K61G1/06B K61G7/0552A K61G7/0554A

US: 296/20 296/20P 296/20S 5/611 5/611P 5/611S 5/86.1

PatBase - US2006075558_AA



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JP5308473 B2	20131009	JP20110098523	20110426
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Priority:

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US20100661599	20100319	AU20100219304	20100906	AU20110200944	20110303
US20110068358	20110509	CA20122580351	20120821		

Probable Assignee: STRYKER CORP

Assignee(s): (std): DYKEMA KURT ; GATTO TODD ; STRYKER CORP ; LAMBARTH CLIFFORD E ; SOUKE CHAD ; NAHAVANDI KUROSH ; KNEEN JASON ; STEFFLER MICHAEL W ; MORTON GARY ; REED DENNIS A ; MCKEE MICHAEL ; PUVOGEL THOMAS A ; BARTLEY BRIAN ; BOUWS BRENT ; COLVIN JOSHUA C ; WAY CHRISTOPHER B

Assignee(s): CONTROL SOLUTIONS INC ; TWISTHINK LLC ; STRYKER KALAMAZOO CORP

Inventor(s): (std): BARTLEY BRIAN ; BOUWS BRENT ; BRENT BOUWS ; BRIAN BARTLEY ; CHAD SOUKE ; DYKEMA KURT ; GARY MORTON ; GATTO TODD ; JASON KNEEN ; KNEEN JASON ; KUROSH NAHAVANDI ; KURT DYKEMA ; LAMBARTH CLIFFORD E ; MCKEE MICHAEL ; MIC LAMBARTH CLIFFORD E SOUKE ; MICHAEL MCKEE ; COLVIN JOSHUA C ; MORTON GARY ; NAHAVANDI KUROSH ; PUVOGEL THOMAS A ; REED DENNIS A ; SOUKE CHAD ; STEFFLER MICHAEL W ; TODD GATTO ; WAY CHRISTOPHER B ; PUVOGEL THOMAS A

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Agent(s): FISHER ADAMS KELLY CALLINANS ; FISHER ADAMS KELLY ; FISHER ADAMS KELLY PTY LTD ; BORDEN LADNER GERVAIS LLP ; COYLE PHILIP AIDAN ; FLYNN THIEL BOUTELL AND TANIS PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV 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 RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

28) Family number: 33496239 (US2006075560A)

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Title: FOOT CONTROLS FOR A BED

Abstract: A bed for a person is provided. The bed includes a frame, a deck, and a mattress. The bed further includes a plurality of foot-operated controls configured to control features of the bed.

Classifications:

International (IPC 8-9): A47C21/08 A61G7/00 A61G7/015 A61G7/018 A61G7/05 A61G7/075 A61H23/02 (Advanced/Invention);

A61G7/012 A61G7/018 A61G7/053 A61G7/057 (Advanced/Non-invention)

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A61G7/0506 A61G7/053 A61G7/05715 A61G7/05769 A61G7/0755

A61G7/08 A61G2203/12 A61G2203/16 A61G2203/20 A61G2203/36

A61G2203/40 A61G2203/44 A61G2203/726 A61G7/015 A61G7/012

A61G7/0507 A61G2203/34 A61G7/0509 A61G7/051 A61G7/0513

A61G7/0514 A61G7/0524 A61G7/0527 A61G7/0528

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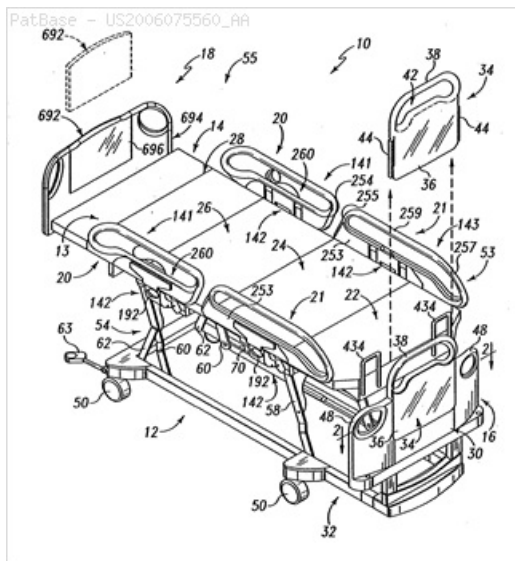
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K61G7/05S4A2 K61G7/05W1 K61G7/05Z1 K61G7/08

US: 5/600 5/600S 5/616 5/618 5/618P 5/624 56/16 56/18 56/24



Family:

Publication number	Publication date	Application number	Application date
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US2006075560 AA	20060413	US20050287523	20051123
US7171708 BB	20070206	US20050287523	20051123

Priority:

US19990173428P 19991229 US20000751031 20001229 US20030740169 20031218
US20050287523 20051123

Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): KOENIG JOHN W ; OSBORNE EUGENE E ; SUTTMAN GLENN C ; VISCA MATTHEW ; WILKER JACK JR ; HILL ROM SERVICES INC

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

Inventor(s): (std): KOENIG JOHN W ; KOENING JOHN W ; SUTTMAN GLENN C ; VISCA MATTHEW ; OSBORNE EUGENE E ; WILKER JACK JR ; WILKER JR JACK

Inventor(s): SUTTMAN GLENN ; WILKER ; WILKER JACK ; OSBORNE EUGENE ; JR JACK ; KOENIG JOHN

Agent(s): INTELLECTUAL PROPERTY GROUP, BOSE MCKINNEY AND EVANS LLP; INTELLECTUAL PROPERTY GROUP BOSE MCKINNEY AND EVANS LLP; BOSE MCKINNEY AND EVANS LLP

29) Family number: 33002138 (US2006101581A)

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Title: PATIENT SUPPORT APPARATUS

Abstract: A patient support apparatus is provided. The patient support apparatus includes a plurality of therapeutic devices including a rotation device and a percussion-vibration device for carrying out rotation, percussion, and vibration therapy for a patient. The patient support apparatus includes a control system for controlling operation of the plurality of therapeutic devices. The control system comprises a touch-screen display segmented into a main menu portion and a data window portion. The therapeutic functions are represented by touch selectable buttons on the main menu portion. When any of these buttons are selected, a plurality of adjustable operating parameters appears in the data window portion. At the same time, the buttons corresponding to the therapeutic functions in the main menu portion remain visible such that an operator can easily select another therapeutic function. A method of tracking the therapeutic functions performed is provided. A rotation monitoring system and temperature control system of the patient support apparatus are provided. A display activation system is also provided.

Classifications:

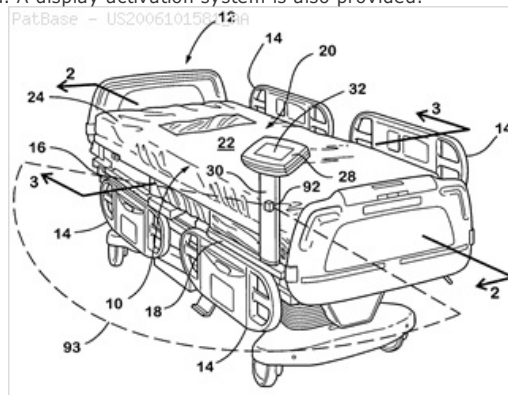
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A47B7/00 A47B71/00 A47C21/00 A47C27/10 A61G7/00 A61G7/002 A61G7/008 A61G7/05 A61G7/057 A61H1/00 (Core/Invention)

CPC: A61G7/001 A61G7/00 A61G7/018 A61G7/05769 A61G2203/36 A61G2203/42 A61G2203/46 A61G7/05784 A61G2203/44 A61B5/103 A61B5/11 A61B5/447 A61B5/6892 A61B5/743 A61B5/7435 A61G7/0506 B60T17/22 G01G19/44 G01G19/52 G01G23/42 G01G23/32 G06F3/0488 G06F3/04817 G06F3/04842 A61G7/005 A61G7/015 A61G7/05 A61G7/0507 A61G7/08 A61G2203/16 A61G2203/20 A61G2203/32 A61G2210/50 A61G7/1046 A61G7/0516 A61G7/052 A61G2007/052 A61G2007/0509 A61G2007/0514 A61G2007/0524 A61G2007/0527 A61G2007/0528 B60T7/085 A61G7/012 A61M5/1415 G16H40/63 G16H40/20 A61G7/0509 A61G7/0514 A61G7/0524 A61G7/0527 A61G7/0528 G06F19/00

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US: 1/1 108/145 108/147 188/1.12 188/1.120S 340/286.07 340/540 340/573.1 340/686.1 5/173 5/280 5/425 5/430 5/430S 5/510 5/510P 5/53.1 5/600 5/600P 5/600S 5/610 5/611 5/611P 5/611S 5/613 5/613P 5/613S 5/616 5/616P 5/617 5/617P 5/618 5/618S 5/620 5/620S 5/630 5/630S 5/713 5/713P 5/715 5/715S 5/86.1 5/905 601/107 601/107S 601/49 601/49P



Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: STRYKER CORP

Assignee(s): (std): BECKER DAVID T ; BLANCHARD FREDERICK W ; BLANCHARD FREDERICK WILLIAM ; BOLDUC STEVE ; CANTIN NICOLAS ; CASTONGUAY PASCAL ; DESAULNIERS ANNIE ; DIONNE JEAN PAUL ; LEMIRE GUY ; LESSARD SEBASTIEN ; MORENO DAVID ; ELLIOT DERICK ; HAYES MICHAEL J ; HOPPER CHRISTOPHER J ; MAYORAS JR RICHARD C ; ELLIOTT DERICK ; PARE RICHARD ; PETITPAS LUC ; MORIN MARCO ; PLANTE MARTIN ; MORENO DAVID MAYEN ; STRYKER CORP ; SMITH MICHAEL STERLING ; THOMPSON JEFFERY JOSEPH ; WROBLESKI DENNIS JOHN ; THOMPSON JEFFREY JOSEPH ; WAN FONG DAVID KIM SOUI ; ST LAURENT FRANCOIS ; ROHRER CHAD ; STRYKER CANADIAN MAN INC ; THOMPSON JEFFERY J ; WROBLESKI DENNIS J ; SMITH MICHAEL S

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Inventor(s): (std): BLANCHARD FREDERICK WILLIAM ; BOLDUC STEVE ; CANTIN NICOLAS ; CASTONGUAY PASCAL ; CONSTANT MARCO ; DESAULNIERS ANNIE ; DIONNE JEAN PAUL ; ELLIOT DERICK ; ELLIOTT DERICK ; HAYES MICHAEL J ; HOPPER CHRISTOPHER J ; LEMIRE GUY ; LESSARD SEBASTIEN ; LESSARD SEBASTIEN ; MAYORAS JR RICHARD C ; MORENO DAVID ; MORENO DAVID MAYEN ; MORIN MARCO ; PARE RICHARD ; PETITPAS LUC ; PLANTE MARTIN ; ROHRER CHAD ; BECKER DAVID T ; FONG DAVID K S ; FONG DAVID KIM SOUI WAN ; THOMPSON JEFFERY JOSEPH ; THOMPSON JEFFREY JOSEPH ; WAN FONG DAVID K S ; WAN FONG DAVID KIM SOUI ; WROBLESKI DENNIS JOHN ; WROBLESKI DENNIS J ; THOMPSON JEFFERY J ; SMITH MICHAEL S ; BLANCHARD FREDERICK W ; SMITH MICHAEL STERLING ; ST LAURENT FRANCOIS

Inventor(s): THOMPSON JEFFERY ; WAN FONG DAVID KS ; WROBLESKI DENNIS ; FONG DAVID KS ; BLANCHARD FREDERICK ; SMITH MICHAEL ; FONG DAVID

Agent(s): BORDEN LADNER GERVAIS LLP; COYLE PHILIP AIDAN ET AL; O CONNELL MAURA; COYLE PHILIP AIDAN; HOWARD AND HOWARD ATTORNEYS PC; VAN DYKE GARDNER LINN AND BURKHART LLP; VAN DYKER GARDNER LINN AND BURKHART LLP; WARNER NORCROSS AND JUDD LLP

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

30) Family number: 33496240 (US2006096029A)

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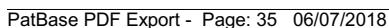
Title: HOSPITAL BED

Abstract: A bed for a person is provided. The bed includes a frame, a deck including a seat section and a foot section movable relative to the seat section. The bed further including a mechanism that control movement of the foot section relative to the seat section.

Classifications:

International (IPC 8-9): A47C21/08 A61G7/00 A61G7/015 A61G7/05
A61G7/075 A61H23/02 (Advanced/Invention);
A61G7/012 A61G7/018 A61G7/053 A61G7/057 (Advanced/Non-invention)
CPC: A61B5/1115 A61G7/00 A61G7/005 A61G7/018 A61G7/05
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European: A61G7/00 A61G7/005 A61G7/015 A61G7/018 A61G7/053
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K61G7/057K K61G7/05S14 K61G7/05S2A K61G7/05S2B K61G7/05S4A
K61G7/05S4A2 K61G7/05W1 K61G7/05Z1 K61G7/08
US: 5/600 5/600S 5/613 5/618 5/618P



Priority:US19950511711 19950804
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US20060353743 20060213

US20000655127 20000905

Probable Assignee: HILL ROM SERVICES INC**Assignee(s):** (std): ALBERSMEYER DAVID A ; BRANSON GREGORY W ; BROOKE JASON C ; BUTTERBRODT JAY T ; DLUGOS DANIEL F JR ; KUMMER JOSEPH A ; KRAMER KENNETH L ; MEYER ERIC R ; MILLER JOHN D ; HILL ROM SERVICES INC ; WEISMILLER MATTHEW W ; WUKUSICK PETER M ; SCHULTE STEPHEN R ; PALERMO PHILIP D ; THOMAS JAMES M C ; ULRICH DAVID J ; RUEHL JOHN W**Assignee(s):** HILL ROM SERVICES INC INDIANA CORP ; HILL ROM SERVICES INC (INDIANA CORPORATION) ; HILL ROM SERVICES INC INDIANA CORPORATION ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS**Inventor(s):** (std): ALBERSMEYER DAVID A ; BRANSON GREGORY W ; BUTTERBRODT JAY T ; BROOKE JASON C ; DLUGOS DANIEL F JR ; DLUGOS JR DANIEL F ; KRAMER KENNETH L ; KUMMER JOSEPH A ; MEYER ERIC R ; MILLER JOHN D ; PALERMO PHILIP D ; RUEHL JOHN W ; SCHULTE STEPHEN R ; THOMAS JAMES M C ; ULRICH DAVID J ; WEISMILLER MATTHEW W ; WUKUSICK PETER M**Inventor(s):** ALBERSMEYER DAVID ; WUKUSICK PETER ; WEISMILLER MATTHEW ; THOMAS JAMES MC ; ULRICH DAVID ; THOMAS JAMES ; SCHULTE STEPHEN ; RUEHL JOHN ; PALERMO PHILIP ; MILLER JOHN ; MEYER ERIC ; KUMMER JOSEPH ; JR DANIEL F ; KRAMER KENNETH ; DLUGOS DANIEL FJR ; BUTTERBRODT JAY ; DLUGOS ; DLUGOS DANIEL ; DLUGOS DANIEL F ; BROOKE JASON ; BRANSON GREGORY**Agent(s):** INTELLECTUAL PROPERTY GROUP, BOSE MCKINNEY AND EVANS LLP; INTELLECTUAL PROPERTY GROUP BOSE MCKINNEY AND EVANS LLP**32) Family number: 33496250** (US2006168729A)

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Title: HOSPITAL BED AND MATTRESS HAVING EXTENDABLE FOOT SECTION**Abstract:** A bed having a frame, a deck, and a siderail. The deck having a head seat and foot sections. The head, seat, and foot sections movable relative to each other**Classifications:****International (IPC 8-9):** A47C17/17 A61G7/00 A61G7/002 A61G7/008

A61G7/015 A61G7/053 A61G7/10 A61H3/04 (Advanced/Invention);

A61G5/14 A61G7/005 A61G7/012 A61G7/02 A61G7/05

A61G7/10 (Advanced/Non-invention)

CPC: H04L67/12 A61G7/008 A61G5/14 A61G7/00 A61G7/002 A61G7/005

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A61G7/0509 A61G7/0514 A61G7/0524 A61G7/0527 A61G7/0528

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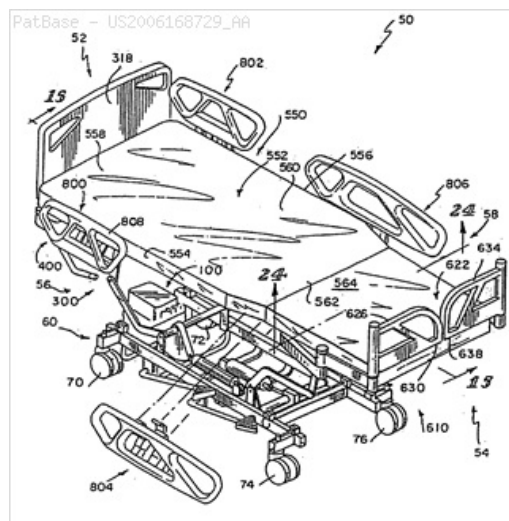
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K61G7/05S2A K61G7/05S2B K61G7/05S4A2 K61G7/05W1 K61G7/05Z1

S06F19/34C

US: 5/600 5/600S 5/618 5/618P 5/624 56/18 56/24**Family:**

Publication number	Publication date	Application number	Application date
US2006168729 AA	20060803	US20060393604	20060330
US7213279 BB	20070508	US20060393604	20060330

Priority:US19950511711 19950804
US20010028833 20011220US19980018542 19980204
US20060353743 20060213US20000655127 20000905
US20060393604 20060330**Probable Assignee:** DLUGOS JR DANIEL F**Assignee(s):** (std): ALBERSMEYER DAVID A ; BRANSON GREGORY W ; BROOKE JASON C ; BUTTERBRODT JAY T ; DLUGOS DANIEL F JR ; KUMMER JOSEPH A ; KRAMER KENNETH L ; SCHULTE STEPHEN R ; PALERMO PHILIP D ; THOMAS JAMES M C ; ULRICH DAVID J ; MEYER ERIC R ; MILLER JOHN D ; RUEHL JOHN W ; DLUGOS JR DANIEL F ; WEISMILLER MATTHEW W ; WUKUSICK PETER M**Inventor(s):** (std): ALBERSMEYER DAVID A ; BRANSON GREGORY W ; BUTTERBRODT JAY T ; BROOKE JASON C ; DLUGOS DANIEL F JR ; DLUGOS JR DANIEL F ; KRAMER KENNETH L ; KUMMER JOSEPH A ; MEYER ERIC R ; MILLER JOHN D ; PALERMO PHILIP D ; RUEHL JOHN W ; SCHULTE STEPHEN R ; THOMAS JAMES M C ; ULRICH DAVID J ; WEISMILLER MATTHEW W ; WUKUSICK PETER M**Inventor(s):** ALBERSMEYER DAVID ; WUKUSICK PETER ; WEISMILLER MATTHEW ; THOMAS JAMES MC ; ULRICH DAVID ; THOMAS JAMES ; SCHULTE STEPHEN ; RUEHL JOHN ; PALERMO PHILIP ; MILLER JOHN ; MEYER ERIC ; KUMMER JOSEPH ; JR DANIEL F ; KRAMER KENNETH ; DLUGOS DANIEL FJR ; BUTTERBRODT JAY ; DLUGOS ; DLUGOS DANIEL ; DLUGOS DANIEL F ; BROOKE JASON ; BRANSON GREGORY**Agent(s):** INTELLECTUAL PROPERTY GROUP, BOSE MCKINNEY AND EVANS LLP; INTELLECTUAL PROPERTY GROUP BOSE MCKINNEY AND EVANS LLP**33) Family number: 33688336** (US2006253982A)

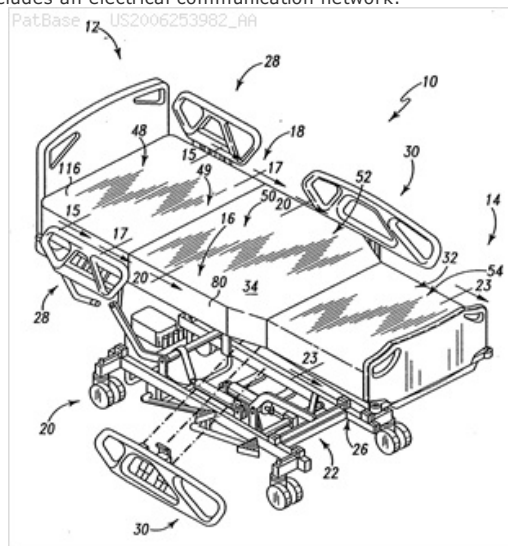
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Title: BED HAVING ELECTRICAL COMMUNICATION NETWORK

Abstract: A bed, including a bedframe to support a mattress. The bed includes an electrical communication network.

Classifications:

International (IPC 8-9): A47C17/17 A47C19/04 A47C20/08 A47C21/08 A47C27/00 A47C27/08 A47C27/10 A47C27/14 A61G13/12 A61G5/00 A61G7/00 A61G7/002 A61G7/008 A61G7/015 A61G7/018 A61G7/05 A61G7/053 A61G7/057 A61G7/075 A61G7/08 A61G7/10 A61G7/16 A61H3/04 A61H7/00 (Advanced/Invention); A61G5/14 A61G7/005 A61G7/012 A61G7/02 A61G7/05 A61G7/053 A61G7/057 A61G7/10 (Advanced/Non-invention)
CPC: H04L67/12 A61G5/14 A61G7/05 A61G2200/56 A61G2203/32 A61G2210/50 G06F19/3418 A61G7/0506 A61G2203/20 A61G7/05738 A61G7/05769 A61G7/0755 A61G7/16 A61G2203/726 A61G2203/74 A61G7/0509 A61G7/051 A61G7/0514 A61G7/0519 A61G7/0527 A61G7/0513 A61G7/052 A61G7/0524 A61G7/0528 A61G7/008 A61G7/00 A61G7/002 A61G7/005 A61G7/012 A61G7/015 A61G7/018 A61G7/0507 A61G7/053 A61G7/05776 A61G7/1021 A61G2203/34 A61G2203/36 A61G2203/42 G06F19/00
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US: 318/16 318/16S 5/181 5/186.1 5/400 5/424 5/600 5/600P 5/600S 5/610 5/610P 5/613 5/615 5/616 5/616P 5/618 5/618S 5/624 5/624P 5/706 5/706S 5/709 5/709P 5/713 5/713S 5/715 5/722 5/727 5/727P 5/738 51/861 57/22



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: HILL ROM SERVICES INC

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Assignee(s): HILL ROM SERVICES INC INDIANA CORP ; HILL ROM SERVICES INC (INDIANA CORPORATION) ; HILL ROM SERVICES INC INDIANA CORPORATION ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS

Inventor(s): (std): ALBERSMEYER DAVID A ; ALLEN E D ; ALLEN E DAVID ; BROOKE JASON C ; BUTTERBRODT JAY ; BUTTERBRODT JAY T ; CHAMBERS KEN ; DALTON ROGER ; BRANSON GREGORY W ; DLUGOS DANIEL F JR ; DLUGOS JR DANIEL F ; ELLIS CRAIG D ; FRONDORF MIKE ; HEYSER JEFFREY A ; KRAMER KENNETH L ; KUMMER JOSEPH A ; MCDANIEL III PAUL M ; MCDANIEL PAUL M III ; MEYER ERIC R ; MILLER JOHN D ; PALERMO PHILIP ; PALERMO PHILIP D ; SCHULTE STEPHEN R ; SMITH KEN ; STOLPMANN JIM ; TABER TANYA ; THOMAS JAMES M ; THOMAS JAMES M C ; RUEHL JOHN W ; ULRICH DAVID J ; VODZAK JOHN ; WEISMILLER MATTHEW W ; WILSON BRAD ; WUKUSICK PETER M ; ZWINK DENNIS R

Inventor(s): ALBERSMEYER DAVID ; ZWINK DENIS R ; ZWINK DENNIS ; WUKUSICK PETER ; WEISMILLER MATTHEW ; SCHULTE STEPHEN ; THOMAS JAMES MC ; ULRICH DAVID ; THOMAS JAMES ; RUEHL JOHN ; MILLER JOHN ; MCDANIEL PAUL MIII ; MEYER ERIC ; MCDANIEL PAUL ; MCDANIEL PAUL M ; KUMMER JOSEPH ; KRAMER KENNETH ; HEYSER JEFFREY ; ELLIS CRAIG ; DLUGOS DANIEL FJR ; BROOKE JASON ; DLUGOS DANIEL ; DLUGOS DANIEL F ; BRANSON GREGORY ; ALLEN E

Agent(s): INTELLECTUAL PROPERTY GROUP, BOSE MCKINNEY AND EVANS LLP; INTELLECTUAL PROPERTY GROUP BOSE MCKINNEY AND EVANS LLP; BOSE MCKINNEY AND EVANS LLP, JAMES COLES; BOSE MCKINNEY AND EVANS LLP JAMES COLES; BARNES AND THORNBURG LLP; HILL ROM SERVICES INC

Title: PATIENT SUPPORT

Abstract: A patient support (1210) comprising a frame (1212), a deck (1214) supported by the frame (1212), a mattress (1230) supported by the deck (1214), an actuator (1256) configured to move at least one of a portion of the frame and a portion of the deck, and an electrical foot-operated control (1554) supported by the frame (1212) and configured to control movement of the actuator (1256).

Classifications:

International (IPC 8-9): A47C21/08 A61G7/00 A61G7/05 A61G7/075

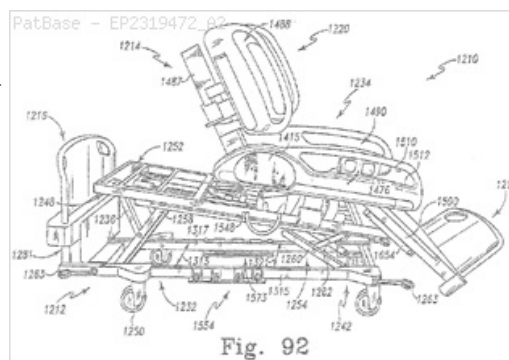
A61H23/02 (Advanced/Invention);

A61G7/012 A61G7/015 A61G7/018 A61G7/053 A61G7/057 (Advanced/Non-invention)

International (IPC 1-7): A61G7/00

CPC: A61B5/1115 A61G7/00 A61G7/005 A61G7/018 A61G7/05 A61G7/0506 A61G7/053 A61G7/05715 A61G7/05769 A61G7/0755 A61G7/08 A61G2203/12 A61G2203/16 A61G2203/20 A61G2203/36 A61G2203/40 A61G2203/44 A61G2203/726 A61G2203/34 A61G7/015 A61G7/012 A61G7/0507 A61G7/0509 A61G7/051 A61G7/0513 A61G7/0514 A61G7/0524 A61G7/0527 A61G7/0528

European: A61G7/00 A61G7/005 A61G7/015 A61G7/018 A61G7/053 A61G7/055 A61G7/075L K61B5/11N4 K61G203/12 K61G7/005 K61G7/012 K61G7/015 K61G7/018 K61G7/05 K61G7/053 K61G7/057C K61G7/057K K61G7/05S14 K61G7/05S2A K61G7/05S2B K61G7/05S4A K61G7/05S4A2 K61G7/05W1 K61G7/05Z1 K61G7/08



Family:

Publication number	Publication date	Application number	Application date
AT345760 E	20061215	AT20000990419T	20001229
EP2319472 A2	20110511	EP20100179960	20001229
EP2319472 A3	20110817	EP20100179960	20001229
EP2319472 B1	20160323	EP20100179960	20001229

Priority:

US19990173428P 19991229 EP20000990419 20001229 EP20060077064 20001229

Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): HILL ROM SERVICES INC

Inventor(s): (std): BRANSON GREGORY W ; DICKMAN BRUCE E JR ; FINDLAY JAMES K ; GANANCE FRANCIS C ; JACQUES WILLIAM L II ; KINKER ROBERT A JR ; KOENIG JOHN W ; KRAMER KENNETH L ; OSBORN EUGENE E ; OSBORNE EUGENE E ; SUTTMANN GLENN C ; VALVANO DEAN M ; VISCA MATTHEW ; WELLING JEFFREY R ; WILKER JACK B JR ; WILKER JACK JR

Inventor(s): KINKER ROBERT A ; JACQUES WILLIAM L ; DICKMAN BRUCE E

Agent(s): FINDLAY ALICE ROSEMARY

Designated states: DE FR GB

Title: PATIENT SINGLE SURFACE SYSTEM

Abstract: This invention is directed towards a patient single surface system, PS3, which is a next generation system solution for patient accommodation, diagnosis, treatment, transfer and transport. PS3 provides a single surface for the patient to remain on from the trauma site through diagnosis, treatment and convalescence. Needs addressed by the PS3 system include improved patient treatment through reduction in time to treatment, reduced or eliminated unnecessary patient movement and injury, as well as improved comfort throughout treatment and convalescence. In addition, the PS3 system solves significant economic considerations.

Classifications:

International (IPC 8-9): A47C27/08 A61G1/04 A61G13/00 A61G13/10

A61G7/00 A61G7/002 A61G7/015 A61G7/05 A61G7/08 A61G7/10

A61G7/14 F16M13/00 (Advanced/Invention);

A61G7/08 (Advanced/Non-invention);

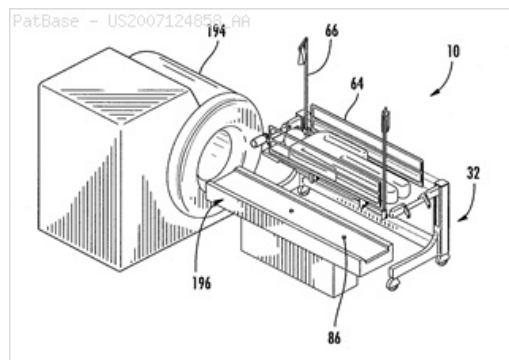
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US: 248/218.4 248/219.4 248/309.1 248/309.100P 5/503.1 5/600 5/600S 5/601 5/601S 5/608 5/613 5/613S 5/620 5/620P 5/626 5/626S 5/658 5/81.10R 5/81.10RP 5/81.1HS 5/81.1R 5/83.1



Family:

Publication number	Publication date	Application number	Application date
CA2632100 AA	20080529	CA20062632100	20061201
CA2632100 C	20131126	CA20062632100	20061201
EP1957024 A2	20080820	EP20060840099	20061201
EP1957024 A4	20090513	EP20060840099	20061201

US2007124858 AA	20070607	US20060566040	20061201
US2009083907 AA	20090402	US20080330982	20081209
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US2012006960 AA	20120112	US20110242568	20110923
US2013139317 AA	20130606	US20130753131	20130129
US2014359940 AA	20141211	US20140467691	20140825
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WO07067874 A2	20070614	WO2006US61495	20061201
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Priority:

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Probable Assignee: AHLMAN IP LLC

Assignee(s): (std): AHLMAN IP INC ; AHLMAN IP LLC ; AHLMAN SCOTT M

Inventor(s): (std): AHLMAN SCOTT M

Inventor(s): AHLMAN SCOTT

Agent(s): FINLAYSON AND SINGLEHURST; STAINTHORPE VANESSA JULIET; MCHALE AND SLAVIN PA

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 LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

36) Family number: 41116934 (US2008071200A)

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Title: METHODS AND SYSTEMS OF MOUNTING A VIBRATION MOTOR TO AN ADJUSTABLE BED

Abstract: Aspects of this invention relate to an adjustable bed that may include a motor, including a housing with a flange, an adjustable mattress support having a lateral surface, and an opening with a perimeter disposed within the lateral surface; at least one bracket coupled to the mattress support providing a lateral support surface inside the perimeter of the opening, the lateral support surface shaped and sized to laterally support the flange such that the motor is positioned to impart vibration to a mattress on the mattress support; and a resilient material disposed between the flange and the lateral support surface to provide mechanical insulation therebetween.

Classifications:

International (IPC 8-9): A47B7/02 A47B71/00 A47B91/02 A47C17/00 A47C17/04 A47C17/86 A47C19/00 A47C19/02 A47C19/04 A47C19/12 A47C20/04 A47C20/08 A47C21/00 A47C21/02 A47C21/04 A47C21/08 A47C23/34 A47C27/08 A47C27/10 A47C31/00 A47C31/12 A61G7/00 A61G7/002 A61G7/012 A61G7/015 A61G7/018 A61G7/05 A61G7/057 A61G7/075 A61H1/00 A61H23/00 A61H23/02 A61H23/04 F16B12/12 F16B12/52 F16B12/54 G01M1/38 G05B11/01 G05B13/00 G05B15/00 G05B15/02 G05B19/05 G05D1/02 G05D1/12 G06F19/00 G06F3/041 G08B5/00 G08C17/02 G10L21/00 H03K17/94 H04B3/60 H04M11/00 H04W4/00 (Advanced/Invention); A47C20/04 A61B5/00 A61B5/11 A61G7/002 A61G7/005 A61G7/012 A61G7/015 A61G7/05 A61G7/16 A61H23/02 A61H23/04 A61H9/00 G06F3/044 (Advanced/Non-invention); A47B71/00 A47C17/00 A47C19/00 A47C20/00 A47C23/00 A47C27/08 A47C31/00 A61G7/002 A61G7/05 A61H1/00 G05D1/02 H03K17/94 H04B3/00 (Core/Invention); A47C20/00 (Core/Non-invention)

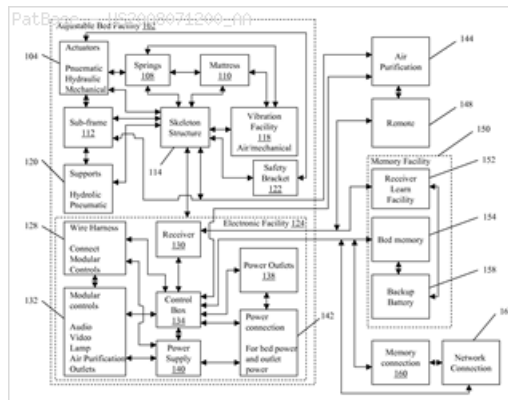
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Family:



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Probable Assignee: ASCION LLC

Assignee(s): (std): ASCION LLC ; MARTIN RAWLS MEEHAN ; RALWS MEEHAN MARTIN B ; RAWLS MEEHAN MARTIN ; RAWLS MEEHAN MARTIN B

Inventor(s): (std): MARTIN RAWLS MEEHAN ; NAGELKIRK KYLE ALLEN ; RALWS MEEHAN MARTIN B ; RAWLS MEEHAN MARTIN ; RAWLS MEEHAN MARTIN B ; GONG ANDREW Z ; VERA LEANDRO ; RIZZITANO ROBERT A

Inventor(s): MARTIN B RAWLS MEEHAN ; THE DESIGNATION OF THE INVENTOR HAS NOT YET...

Agent(s): A J PARK; AJ PARK; SMART AND BIGGAR; NAISMITH ROBERT STEWART ET AL; NAISMITH ROBERT STEWART; STRATEGIC PATENTS PC; GTC LAW GROUP LLC AND AFFILIATES; DICKINSON WRIGHT PLLC; GTC LAW GROUP LLP AND AFFILIATES; MARSHALL GERSTEIN AND BORUN LLP; GIFFORD KRASS SPRINKLE ANDERSON AND CITKOWSKI PC; DOUGLAS L; DINSMORE AND SHOHL LLP; NORTRUP JOHN; NORTRUP JOHN H ET AL; ZALE LAWRENCE P

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

37) Family number: 42380246 (US2008250564A)

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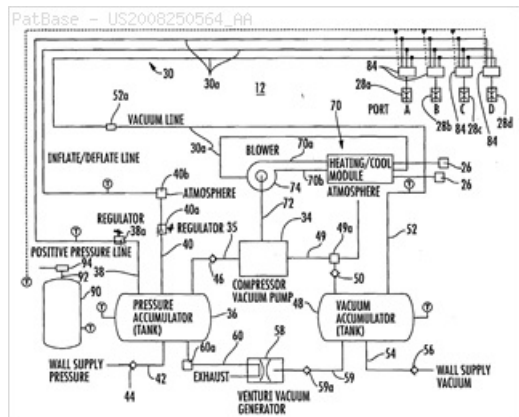
Title: PATIENT SUPPORT WITH UNIVERSAL ENERGY SUPPLY SYSTEM

Abstract: A patient support including a patient support surface, a fluid movement system provided at the patient support, and a plurality of ports mounted at the patient support, which are in selective fluid communication with the fluid movement system. At least one of the ports is adapted for coupling to a device for delivering fluid to the device from the fluid movement system or delivering a vacuum pressure to the device from the fluid movement system for suctioning fluid through the device when the device is coupled to the port.

Classifications:

International (IPC 8-9): A47C27/08 A61B19/00 A61G1/00 A61G10/00 A61G13/00 A61G13/10 A61G13/12 A61G15/00 A61G7/00 A61G7/012 A61G7/015 A61G7/018 A61G7/05 A61G7/10 A61G7/12 A61H9/00

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US2017202728 AA	20170720	US20170477326	20170403
US8011039 BB	20110906	US20080057941	20080328
US8914924 BB	20141223	US20110220106	20110829
US9642759 BB	20170509	US20140549226	20141120
WO08127868 A1	20081023	WO2008US59006	20080401

Priority:

US20070923501P 20070413	US20070968780P 20070829	US20080057941 20080328
EP20080733046 20080401	WO2008US59006 20080401	US20110220106 20110829
US20140549226 20141120	US20170477326 20170403	

Probable Assignee: STRYKER CORP

Assignee(s): (std): STRYKER CORP ; STRYKER CORP A CORP OF STATE OF MICHIGAN ; STRYKER MARTIN ; CONWAY KEVIN ; DAVIS SCOTT

Assignee(s): STRYKER A OF STATE OF MICHIGAN CORP ; STRYKER KALAMAZOO CORP

Inventor(s): (std): CONWAY KEVIN ; DAVIS SCOTT ; KEVIN CONWAY ; MARTIN STRYKER ; SCOTT DAVIS ; STRYKER MARTIN ; STRYKER MARTIN W ; DERENNE RICHARD A ; BHIMAVARAPU KRISHNA SANDEEP

Inventor(s): STRYKER MARTIN KALAMAZOO ; DAVIS SCOTT OSHTMO ; CONWAY KEVIN KALAMAZOO

Agent(s): PERRY AND CURRIER; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; O CONNELL MAURA; OCONNELL MAURA; SOGA MICHIHARU; VAN DYKE GARDNER LINN AND BURKHART LLP; WARNER NORCROSS AND JUDD LLP

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

38) Family number: 47807573 (US2010306921A)

© PatBase

Title: HOSPITAL BED

Abstract: A bed having a frame and a deck is disclosed. The deck has at least a horizontal position and a chair position. The deck has an adjustable-length foot section.

Classifications:

International (IPC 8-9): A47C17/17 A61G7/00 A61G7/002 A61G7/008

A61G7/015 A61G7/053 A61G7/057 A61G7/10

A61H3/04 (Advanced/Invention);

A61G5/14 A61G7/005 A61G7/012 A61G7/02 A61G7/05

A61G7/10 (Advanced/Non-invention)

CPC: H04L67/12 A61G7/008 A61G5/14 A61G7/00 A61G7/002 A61G7/005

A61G7/012 A61G7/015 A61G7/018 A61G7/05 A61G7/0507 A61G7/053

A61G7/05769 A61G7/05776 A61G7/16 A61G2200/56 A61G2203/32

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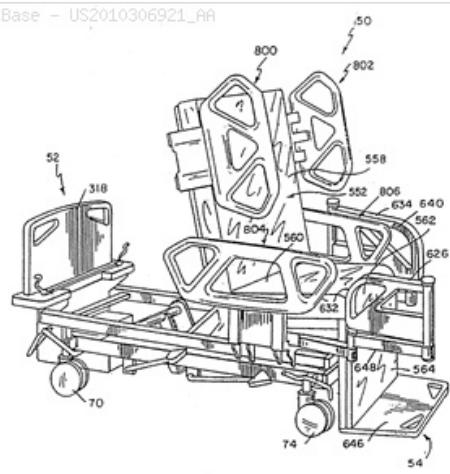
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G06F19/00

European: A61G7/00 A61G7/002 A61G7/005 A61G7/008 A61G7/012

A61G7/015 A61G7/018 A61G7/053 A61G7/057K1 A61G7/05S A61G7/16

H04L29/08N11 K61G200/56 K61G203/32 K61G203/74 K61G210/50



Family:

Publication number	Publication date	Application number	Application date
US2010306921 AA	20101209	US20100859978	20100820
US8065764 BB	20111129	US20100859978	20100820

Priority:

US19950511711	19950804	US19980018542	19980204	US20000655127	20000905
US20010028833	20011220	US20060353743	20060213	US20060393604	20060330
US20070734954	20070413	US20090351089	20090109	US20100859978	20100820

Probable Assignee:	HILL ROM SERVICES INC
Assignee(s): (std):	HILL ROM SERVICES INC ; KRAMER KENNETH L
Assignee(s):	JPMORGAN CHASE BANK NA COLLATERAL AGENT AS
Inventor(s): (std):	KRAMER KENNETH L
Agent(s):	BARNES AND THORNBURG LLP

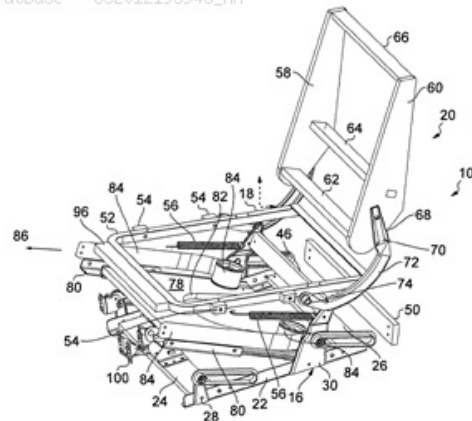
39) Family number: 43916268 (US2012193946A)

Title: ADJUSTABLE FURNITURE

Abstract: An adjustable furniture such as a recliner chair or adjustable bed comprising a base, an intermediate support and a back support. Both the intermediate support and the back support are guided for movement relative to the base by a second guide means while the base moves along a first guide means. The first guide means include at least one guide associated with one of the base and intermediate support and at least one follower associated with the other of the base and intermediate support. The second guide means includes at least one guide associated with one of the base support and the back support and at least one follower associated with the other of the base support and the back support.

Classifications:

International (IPC 8-9): A47C A47C1/024 A47C1/031 A47C1/032 A47C1/034 A47C1/035 A47C15/00 A47C17/16 A47C17/17 A47C17/175 A47C20/04 A47C20/08 A47C3/025 A47C7/40 A47C7/50 A47C7/54 A61G7/015 D05B (Advanced/Invention); A47C D05B (Subclass/Invention)
CPC: A47C1/0242 A47C20/042 A47C17/175 A47C17/17 A47C20/04 A47C1/024 A47C17/161 A47C1/035 A61G7/018 A47C20/041 A61G7/015 A47C1/03294 A47C7/50 A47C20/08 A47C1/031 A47C1/032 A47C1/03261 A47C1/034 A47C7/54
European: A47C1/032F A47C20/04A A47C20/08 A47C7/50
US: 1/1 297/257 297/257S 297/285 297/286 297/300.1 297/341 297/354.1 297/354.100S 297/354.12 297/354.120S 297/68 297/68P 297/86 5/613 5/613S 5/616 5/617 5/618



Family:

Publication number	Publication date	Application number	Application date
AU2010284834 AA	20110224	AU20100284834	20100818
AU2010284834 BB	20160107	AU20100284834	20100818
AU2010309588 AA	20110428	AU20100309588	20101022
AU2010309588 BB	20150521	AU20100309588	20101022
CA2774433 AA	20110224	CA20102774433	20100818
CN102686129 A	20120919	CN201080046829	20100818
CN102686129 B	20151202	CN201080046829	20100818

CN102753057 A	20121024	CN201080053020	20101022
CN102753057 B	20150826	CN201080053020	20101022
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CN104433487 B	20171020	CN201410655384	20101022
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CN104545110 B	20180601	CN201410658020	20101022
DE602010024649 D1	20150625	DE201060024649T	20100818
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EP2467044 A2	20120627	EP20100749893	20100818
EP2467044 B1	20150513	EP20100749893	20100818
EP2490574 A1	20120829	EP20100781976	20101022
ES2544729 T3	20150903	ES20100749893T	20100818
GB200914436 A0	20090930	GB20090014436	20090818
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GB2474947 B2	20130731	GB20100017996	20101022
GB2486335 A1	20120613	GB20110020973	20100818
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GB2499923 B2	20140212	GB20130007632	20101022
GB2499928 A1	20130904	GB20130007897	20101022
GB2499928 B2	20140212	GB20130007897	20101022
GB2501993 A1	20131113	GB20130008695	20100818
GB2501993 B2	20140416	GB20130008695	20100818
IN02203DN2012 A	20150821	IN2012DN02203	20120314
JP2013502255 T2	20130124	JP20120525201T	20100818
JP2013508053 T2	20130307	JP20120534764T	20101022
JP2015163204 A2	20150910	JP20150079685	20150409
JP5731517 B2	20150610	JP20120534764T	20101022
JP5763639 B2	20150812	JP20120525201T	20100818
JP6144712 B2	20170607	JP20150079685	20150409
MX2012002037 A1	20120907	MX20120002037	20100818
MY159810 A	20170215	MY20120000719	20100818
NZ598420 A	20140228	NZ20100598420	20100818
US2012193946 AA	20120802	US20100390985	20100818
US2012297543 AA	20121129	US20100502561	20101022
US2016120315 AA	20160505	US20150971231	20151216
US2016128883 AA	20160512	US20160001574	20160120
US8955178 BB	20150217	US20100502561	20101022
US9241571 BB	20160126	US20100390985	20100818
WO11021002 A2	20110224	WO2010GB01565	20100818
WO11021002 A3	20110526	WO2010GB01565	20100818
WO11048384 A1	20110428	WO2010GB01961	20101022
ZA201202004 A	20121128	ZA20120002004	20120316
ZA201203788 A	20130227	ZA20120003788	20120523

Priority:

GB20090014436	20090818	GB20090004436	20090818	GB20090018685	20091023
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WO2010GB01565	20100818	CN201080053020	20101022	GB20100017996	20101022
JP20120534764	20101022	JP20120534764T	20101022	WO2010GB01961	20101022
US20120390985	20120418	WO2014GB00274	20140708	JP20150079685	20150409
US20150971231	20151216	US20160001574	20160120		

Probable Assignee: INTEGRATED FURNITURE TECHNOLOGIES LTD

Assignee(s): (std): INTEGRATED FURNITURE TECH LTD ; INTEGRATED FURNITURE TECHNOLOG ; INTEGRATED FURNITURE TECHNOLOGIES LTD ; INTEGRATED FURNITURE TECHNOLOGY ; ROBERTSON DALE

Assignee(s): INTEGRATED FURNITURE TECHNOLOGIES LTD FORTHAMPTON ; INTEGRATED FURNITURE TECHNOLOGIES LIMITED

Inventor(s): (std): DALE ROBERTSON ; ROBERSTON DALE ; ROBERTSON DALE

Inventor(s): DALE ROBERSTON

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; BORDEN LADNER GERVAIS LLP; SCHUHMANN ALBRECHT; SHELLEY MARK RAYMOND; CARPINTERO MARIO; KITA AOYAMA INT PATENT BUREAU; LACKENBACH SIEGEL LLP; ANDREW F; ROBERTSON DALE

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 CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: PATIENT SUPPORT WITH BARRIER

Abstract: A patient support (1210) comprising a frame (1252), a mattress (1230) supported by the frame, a barrier positioned to block egress of a patient from the mattress, the barrier including a surface (1510) defining an opening in the barrier, and a controller (1476) having a housing and a retainer coupled to the housing and configured to contact the surface of the barrier to removably couple the housing to the barrier.

Classifications:

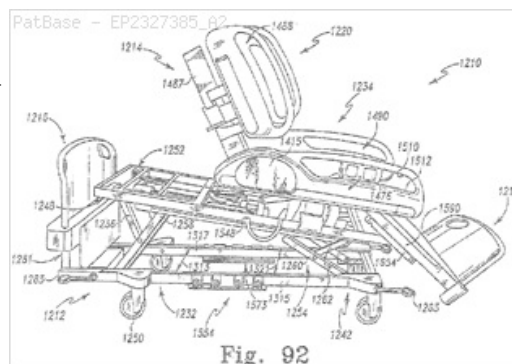
International (IPC 8-9): A47C21/08 A61G7/00 A61G7/05 A61G7/075

A61H23/02 (Advanced/Invention);

A61G7/012 A61G7/015 A61G7/018 A61G7/053 A61G7/057 (Advanced/Non-invention)

CPC: A61B5/1115 A61G7/00 A61G7/005 A61G7/018 A61G7/05 A61G7/0506 A61G7/053 A61G7/05715 A61G7/05769 A61G7/0755 A61G7/08 A61G2203/12 A61G2203/16 A61G2203/20 A61G2203/36 A61G2203/40 A61G2203/44 A61G2203/726 A61G7/015 A61G7/012 A61G7/0507 A61G2203/34 A61G7/0509 A61G7/051 A61G7/0513 A61G7/0514 A61G7/0524 A61G7/0527 A61G7/0528

European: A61G7/00 A61G7/005 A61G7/015 A61G7/018 A61G7/053 A61G7/055 A61G7/075L K61B5/11N4 K61G203/12 K61G7/005 K61G7/012 K61G7/015 K61G7/018 K61G7/05 K61G7/053 K61G7/057C K61G7/057K K61G7/05S14 K61G7/05S2A K61G7/05S2B K61G7/05S4A K61G7/05S4A2 K61G7/05W1 K61G7/05Z1 K61G7/08



Family:

Publication number	Publication date	Application number	Application date
EP2327385 A2	20110601	EP20100179937	20001229
EP2327385 A3	20110817	EP20100179937	20001229
EP2327385 B1	20160316	EP20100179937	20001229

Priority:

US19990173428P 19991229 EP20000990419 20001229 EP20060077064 20001229

Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): HILL ROM SERVICES INC

Inventor(s): (std): FINDLAY JAMES K ; OSBORNE EUGENE E ; SUTTMAN GLENN C ; VISCA MATTHEW ; WELLING JEFFREY R ; WILKER JACK B JR

Agent(s): FINDLAY ALICE ROSEMARY

Designated states: DE FR GB

Title: HOSPITAL BED FRAME

Abstract: A bed for a person is provided. The bed includes a frame, a deck, a mattress, a pair of head end siderails, and a pair of foot end siderails. The bed further includes a controller configured to be coupled to the head and foot end siderails.

Classifications:

International (IPC 8-9): A47C21/08 A47C27/08 A47C27/14 A61G7/00 A61G7/005 A61G7/012 A61G7/015 A61G7/05 A61G7/075 A61G7/08

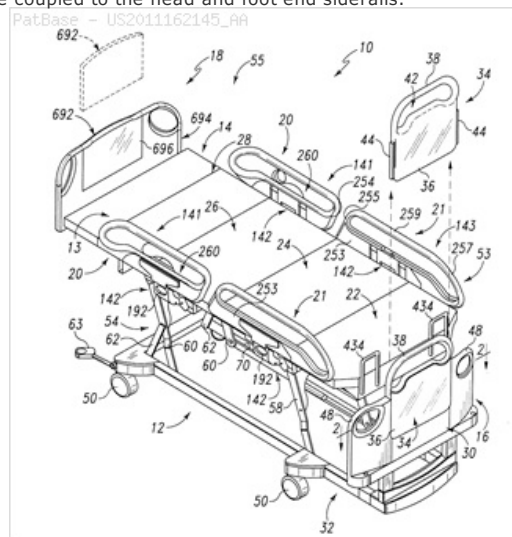
A61H23/02 (Advanced/Invention);

A61G7/012 A61G7/018 A61G7/053 A61G7/057 (Advanced/Non-invention)

CPC: A61B5/1115 A61G7/00 A61G7/005 A61G7/018 A61G7/05 A61G7/0506 A61G7/053 A61G7/05715 A61G7/05769 A61G7/0755 A61G7/08 A61G2203/12 A61G2203/16 A61G2203/20 A61G2203/36 A61G2203/40 A61G2203/44 A61G2203/726 A61G7/015 A61G7/012 A61G7/0507 A61G2203/34 A61G7/0509 A61G7/051 A61G7/0513 A61G7/0514 A61G7/0524 A61G7/0527 A61G7/0528

European: A61G7/00 A61G7/005 A61G7/015 A61G7/018 A61G7/053 A61G7/055 A61G7/075L K61B5/11N4 K61G203/12 K61G7/005 K61G7/012 K61G7/015 K61G7/018 K61G7/05 K61G7/053 K61G7/057C K61G7/057K K61G7/05S14 K61G7/05S2A K61G7/05S2B K61G7/05S4A K61G7/05S4A2 K61G7/05W1 K61G7/05Z1 K61G7/08

US: 5/610 5/611 5/613 5/613S 5/618 5/618P



Family:

Publication number	Publication date	Application number	Application date
US2011162145 AA	20110707	US20110014140	20110126
US8151387 BB	20120410	US20110014140	20110126

Priority:

US19990173428P 19991229 US20000750741 20001229 US20000751031 20001229
US20000750859 20001229 US20020408698P 20020906 US20020409748P 20020911

US20030489171P 20030722 US20030490467P 20030728 US20030648053 20030826
US20030657696 20030908 US20030731720 20031209 US20050257438 20051024
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Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): BRANSON GREGORY W ; DICKMAN JR BRUCE E ; FINDLAY JAMES K ; GANANCE FRANCIS C ; HILL ROM SERVICES INC ; OSBORNE EUGENE E ; KINKER JR ROBERT A ; KRAMER KENNETH L ; SUTTMAN GLENN C ; VISCA MATTHEW ; KOENIG JOHN W ; JACQUES II WILLIAM L ; VALVANO DEAN M ; VISCA MATTHEW C ; WILKER JR JACK ; WELLING JEFFREY R ; WILKER JR JOHN B

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

Inventor(s): (std): BRANSON GREGORY W ; DICKMAN JR BRUCE E ; FINDLAY JAMES K ; GANANCE FRANCIS C ; JACQUES II WILLIAM L ; KINKER JR ROBERT A ; KOENIG JOHN W ; KRAMER KENNETH L ; OSBORNE EUGENE E ; SUTTMAN GLENN C ; VALVANO DEAN M ; VISCA MATTHEW ; WELLING JEFFREY R ; WILKER JR JACK ; WILKER JR JOHN B ; VISCA MATTHEW C

Agent(s): BARNES AND THORNBURG LLP

42) Family number: 51043535 (US2012102647A)

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Title: HOSPITAL BED

Abstract: A bed having a frame and a deck is disclosed. The deck has at least a horizontal position and a chair position. The deck has an adjustable-length foot section.

Classifications:

International (IPC 8-9): A47C17/17 A61G7/00 A61G7/002 A61G7/008 A61G7/015 A61G7/018 A61G7/053 A61G7/057 A61G7/10 A61G7/16 A61H3/04 (Advanced/Invention);

A61G5/14 A61G7/005 A61G7/012 A61G7/02 A61G7/05

A61G7/10 (Advanced/Non-invention)

CPC: H04L67/12 A61G7/008 A61G5/14 A61G7/00 A61G7/002 A61G7/005

A61G7/012 A61G7/015 A61G7/018 A61G7/05 A61G7/0507 A61G7/053

A61G7/05769 A61G7/05776 A61G7/16 A61G2200/56 A61G2203/32

A61G2203/74 A61G2210/50 G06F19/3418 A61G7/0506 A61G2203/20

A61G7/0509 A61G7/0514 A61G7/0524 A61G7/0527 A61G7/0528

G06F19/00

European: A61G7/00 A61G7/002 A61G7/005 A61G7/008 A61G7/012

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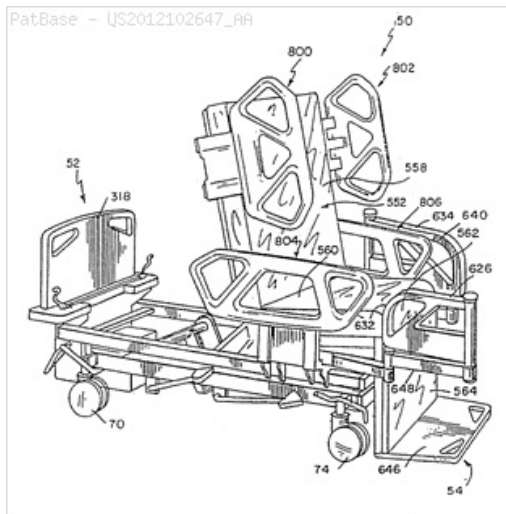
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K61G5/14 K61G7/005 K61G7/012 K61G7/05 K61G7/057K K61G7/05S14

K61G7/05S2A K61G7/05S2B K61G7/05S4A2 K61G7/05W1 K61G7/05Z1

S06F19/34C

US: 5/601 5/601P 5/624 5/624S 5/662



Family:

Publication number	Publication date	Application number	Application date
US2012102647 AA	20120503	US20110305172	20111128
US8413274 BB	20130409	US20110305172	20111128

Priority:

US19950511711 19950804 US19980018542 19980204 US20000655127 20000905
US20010028833 20011220 US20060353743 20060213 US20060393604 20060330
US20070734954 20070413 US20090351089 20090109 US20100859978 20100820
US20110305172 20111128

Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): ALBERSMEYER DAVID A ; BRANSON GREGORY W ; BROOKE JASON C ; BUTTERBRODT JAY T ; DLUGOS JR DANIEL F ; HILL ROM SERVICES INC ; WEISMILLER MATTHEW W ; KUMMER JOSEPH A ; KRAMER KENNETH L ; PALERMO PHILIP D ; RUEHL JOHN W ; SCHULTE STEPHEN R ; WUKUSICK PETER M ; THOMAS JAMES M C ; MILLER JOHN D ; ULRICH DAVID J ; MEYER ERIC R

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

Inventor(s): (std): ALBERSMEYER DAVID A ; BRANSON GREGORY W ; BROOKE JASON C ; BUTTERBRODT JAY T ; DLUGOS JR DANIEL F ; KRAMER KENNETH L ; KUMMER JOSEPH A ; MEYER ERIC R ; MILLER JOHN D ; PALERMO PHILIP D ; RUEHL JOHN W ; SCHULTE STEPHEN R ; THOMAS JAMES M C ; ULRICH DAVID J ; WEISMILLER MATTHEW W ; WUKUSICK PETER M

Agent(s): BARNES AND THORNBURG LLP

43) Family number: 52598793 (US8336142B)

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Title: BODY AND HEAD SUPPORT

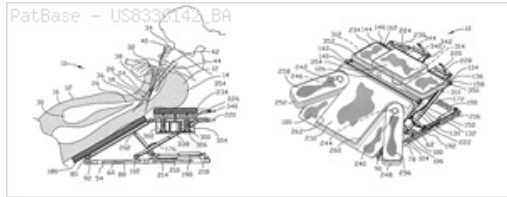
Abstract: A support device is disclosed for positioning an individual in an inclined orientation.

Classifications:

International (IPC 8-9): A47C20/12 (Advanced/Invention)

CPC: A61G13/122 A61G13/1215

US: 5/633 5/634 5/640

**Family:**

Publication number	Publication date	Application number	Application date
US8336142 BA	20121225	US20090378615	20090217

Priority:

US20080065950P 20080215 US20090378615 20090217

Probable Assignee: SEE JEFFREY J

Assignee(s): (std): JOHNSTON DAMON A ; SEE JEFFREY J

Inventor(s): (std): SEE JEFFREY J ; JOHNSTON DAMON A

Agent(s): FRIJOUF RUST AND PYLE PA

44) Family number: 53486805 (US2014325759A)

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Title: ADJUSTABLE BED

Abstract: An exemplary bed platform frame includes first and second support frame assemblies, each including a pair of spaced apart rails, a cross member extending between the pair of spaced apart rails, and an actuator support member coupled to the cross member. The spaced apart rails of the first support frame assembly are connected to the spaced apart rails of the second support frame assembly when the first support frame assembly is assembled with the second support frame assembly. The actuator support member of the first support frame assembly is coupled to the cross member of the second support frame assembly when the first support frame assembly is assembled with the second support frame assembly. The actuator support member of the second support frame assembly is coupled to the cross member of the first support frame assembly when the first support frame assembly is assembled with the second support frame assembly.

Classifications:

International (IPC 8-9): A47B7/02 A47B71/00 A47C19/00 A47C20/04

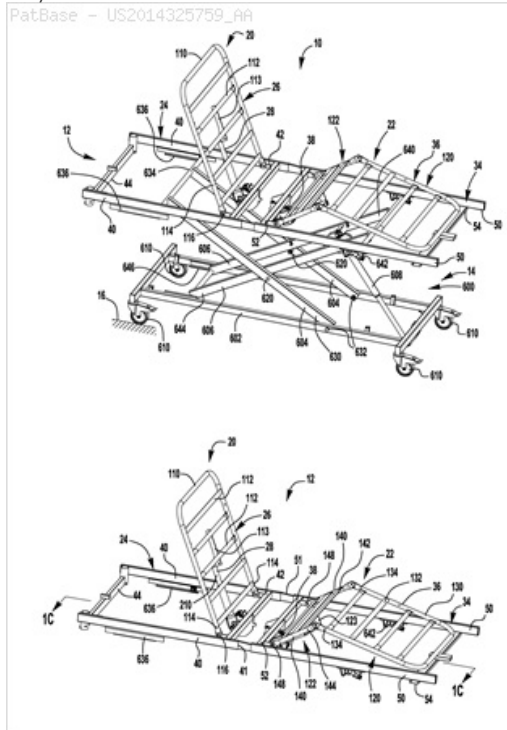
A47C20/08 A61G7/002 A61G7/012 A61G7/015

A61G7/018 (Advanced/Invention)

CPC: A61G7/015 A61G7/012 A61G7/018 A47C19/005 A47C20/041

A61G7/002

US: 5/611 5/613

**Family:**

Publication number	Publication date	Application number	Application date
AU2012318851 AA	20130411	AU20120318851	20121002
AU2012318851 BB	20180607	AU20120318851	20121002
CA2853754 AA	20140428	CA20122853754	20121002
EP2760312 A1	20140806	EP20120838049	20121002
EP2760312 A4	20150624	EP20120838049	20121002
NZ624484 A	20160429	NZ20120624484	20121002
US2014325759 AA	20141106	US20120354319	20121002
US9687400 BB	20170627	US20120354319	20121002
WO13052452 A1	20130411	WO2012US58414	20121002

Priority:

Probable Assignee: INVACARE CORP

Assignee(s): (std): INVACARE CORP

Assignee(s): PNC BANK NATIONAL ASSOCIATION ; WYSOCKI KEVIN S ; BLY ROBERT R

Inventor(s): (std): BLY ROBERT R ; WYSOCKI KEVIN S

Agent(s): MADDERNS PATENT AND TRADE MARK ATTORNEYS; OSLER HOSKIN AND HARCOURT LLP; GANGUILLET CYRIL; CALFEE HALTER AND GRISWOLD LLP; PEJIC NENAD

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

45) Family number: 57136688 (US10000225B)

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Title: MOBILE CHILD SUPPORT DEVICE

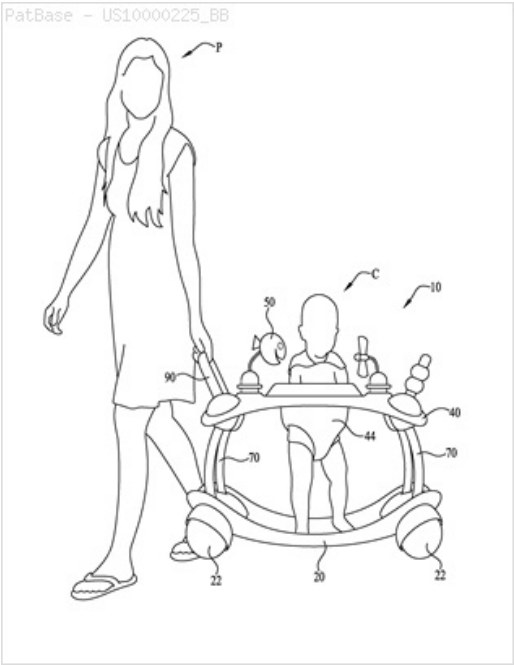
Abstract: A mobile child support and entertainment device includes a base panel having roller elements for rolling support along a support surface, an upper support body having a seat positioned generally centrally therein for receiving a child, and at least one support leg extending between the base panel and the upper support body. The device allows a caregiver to move the child in the device from location to location, and provides entertainment and activity for the child. Embodiments of the device are configured for ease of maneuverability and access.

Classifications:

International (ipc 8-9): A45C13/10 A45C13/26 A45F3/02 A47B13/14 A47B13/16 A47B39/00 A47B83/02 A47C3/03 A47C7/62 A47D1/00 A47D1/02 A47D1/06 A47D1/08 A47D1/10 A47D11/00 A47D13/00 A47D13/02 A47D13/04 A47D13/06 A47D13/08 A47D13/10 A47D15/00 A47D3/00 A47D5/00 A47D7/00 A47D7/01 A47D7/03 A47D7/04 A47D9/00 A47D9/02 A47D9/04 A61J17/00 A63B5/11 A63G13/00 A63G9/12 A63G9/16 A63H3/00 A63H33/00 B60N2/00 B60N2/28 B62B7/04 B62B7/06 B62B9/12 B62B9/20 B65D25/04 (Advanced/Invention); A47D1/04 A47D1/08 A47D11/00 A47D13/00 (Advanced/Non-invention)

CPC: A63H3/003 A47D1/02 A61J17/007 A47D1/006 A47D1/002 A47D1/06 A47D13/025 B62B7/04 B62B9/20 A47D3/00 A47D9/02 A47D13/10 A47B13/14 A47B13/16 A47D13/063 A47D9/005 A47D7/01 A47D11/005 B60N2/2812 B60N2002/2815 A47D7/04 B65D25/04 A45F3/02 A45C13/10 A45C13/103 A45C2013/1015 A47D15/006 A47D15/003 A47D1/008 A47D13/04 A47D13/043 A47D1/04 A47D5/00 A45C7/00 A45C11/26 A45C13/26 A47D1/004 A47D1/10 A47D11/002 A47D13/107 A47D15/00 A47D7/03 A47D9/04 A47D13/102 A47D15/005 A63G13/00 A63J17/00 A47D13/105 A47D9/00 A63H33/006

US: 1/1 280/47.38 297/130 297/135 297/154 297/16.1 297/174R 297/183.6 297/250.1 297/258.1 297/273 297/325 297/344.12 297/440.1 297/452.1 297/6 446/73 472/119 5/11 5/655 5/93.1 5/93.2 5/98.1



Family:

Publication number	Publication date	Application number	Application date
CN204015741 U	20141217	CN201420058856U	20140207
CN205548137 U	20160907	CN201620255250U	20160330
CN205625383 U	20161012	CN201620251351U	20160329
CN205866475 U	20170111	CN201620356169U	20160425
CN205866488 U	20170111	CN201620353677U	20160425
CN205890959 U	20170118	CN201620216581U	20160321
CN205947531 U	20170215	CN201620356450U	20160425
CN205947533 U	20170215	CN201620356333U	20160425
CN205963517 U	20170222	CN201620356477U	20160425
CN206102195 U	20170419	CN201620355558U	20160425
CN206119796 U	20170426	CN201620356462U	20160425
CN206182827 U	20170524	CN201620356035U	20160425
CN206423874 U	20170822	CN201621048037U	20160909
CN206565662 U	20171020	CN201621048194U	20160909
DE602016001196 D1	20180208	DE201660001196T	20160330
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EP3075284 A1	20161005	EP20160162929	20160330
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EP3315050 A2	20180502	EP20170188914	20170831
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US2014217791 AA	20140807	US20140173066	20140205
US2014220852 AA	20140807	US20140173933	20140206
US2015042130 AA	20150212	US20140453209	20140806
US2015272341 AA	20151001	US20150737070	20150611
US2016088954 AA	20160331	US20150941997	20151116
US2016192787 AA	20160707	US20160071466	20160316
US2016199264 AA	20160714	US20160077577	20160322
US2016286977 AA	20161006	US20160078234	20160323
US2016286979 AA	20161006	US20160083487	20160329
US2016288813 AA	20161006	US20160077075	20160322
US2016309909 AA	20161027	US20160137312	20160425
US2016309910 AA	20161027	US20160137335	20160425
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US2016309915 AA	20161027	US20160136411	20160422
US2016311346 AA	20161027	US20160135221	20160421
US2016316934 AA	20161103	US20160137400	20160425
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US2017360216 AA	20171221	US20170696494	20170906
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US2018070738 AA	20180315	US20170696511	20170906
US2018070740 AA	20180315	US20170688291	20170828
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US9320975 BB	20160426	US20140173933	20140206
US9615673 BB	20170411	US20150941997	20151116
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US9986849 BB	20180605	US20170677543	20170815

Priority:

US20130761277P	20130206	US20130763680P	20130212	US20130864156P	20130809
US20130915257P	20131212	US20140173066	20140205	US20140173933	20140206
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US20150139858P	20150330	US20150139974P	20150330	US20150141106P	20150331
US20150152845P	20150425	US20150722691	20150527	US20150170316P	20150603
US20150170895P	20150604	US20150170888P	20150604	US20150737070	20150611
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US20170696511	20170906				

Probable Assignee: KIDS II INC

Assignee(s): (std): KIDS II INC

Assignee(s): KIDS II INC ATLANTA ; REGIONS BANK

Inventor(s): (std): BUCHANAN KATHERINE ; BURNS STEPHEN ; COSTELLO CARY ; GAMBOA JOSE ; GUNTER MATTHEW ; JACOB SCLARE ; KAPANZHI AVELINA ; LANGE ERIC ; LANGE ERIC A ; MAST TREVOR ; PERRIN THOMAS M ; PETERSON EDEN ; POMEROY BLAKE ; POON YUK TONG ; PRIESS BENJAMIN COOPER ; RUTTER BRYCE GEORGE ; RUTTER PHD BRYCE GEORGE ; RYAN MAX WILLIAM ; SCLARE JACOB ; SERINO JENNIFER ; TADIPATRI CHAITANYA ; THOMSON JOHN MATTHEW ; TONG POON YUK ; KATHERINE BUCHANAN ; JENNIFER SERINO ; ERIC A LANGE ; AVELINA KAPANZHI ; YUK TONG POON ; THOMAS M PERRIN ; STEPHEN R BURNS ; STEPHEN BURNS ; SORIANO ALEX ; S R BURNS ; REESE BRADFORD ; POMEROY BLAKE D ; MCCLINTOCK CHRISTOPHER ; JOHN MATTHEW THOMSON ; ELSON BRITTANY ; CHAITANYA TADIPATRI ; BURNS STEPHEN R ; BLAKE D POMEROY ; ALEX SORIANO ; MATTHEW GUNTER ; CARY COSTELLO ; ERIC LANGE ; EDEN PETERSON

Inventor(s): SCLARE JACOB DACULA

Agent(s): HASELTINE LAKE LLP; MCCARTNEY JONATHAN WILLIAM; GARDNER GROFF GREENWALD AND VILLANUEVA

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

46) Family number: 60278078 (US2015250323A)

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Title: EXTENDED-RANGE VERSATILELY-CONFIGURABLE USER-ASSEMBLED ADJUSTABLE, AND HIGH-LOW ADJUSTABLE, BEDS

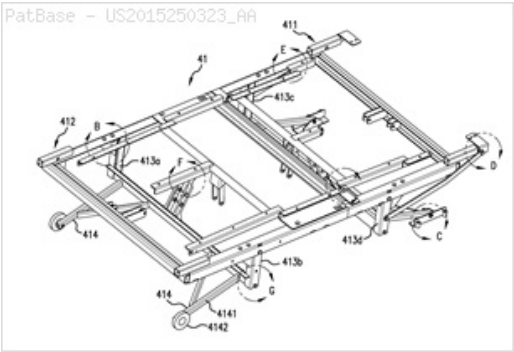
Abstract: A high-low bed having a substantially rectangular upper surface is variably dynamically adjustable in elevation above a floor by action of a substantially planar substantially rectilinear upper frame presenting an upper surface to the bed, four stanchions of selectable length boltable at each of four opposing points under the upper frame, four swing arms hinge-connected at their first ends to the bottom of each of the four stanchions and at their second ends to wheels resting upon the floor. One or more motors move the swing arms about their hinged connection to the stanchions to variously elevate the upper surface of the bed above the floor. Nonetheless to its large height adjustment range, the entire bed breaks down to be shipped in two standard freight shipping boxes.

Classifications:

International (IPC 8-9): A47C 19/04 (Advanced/Invention)

CPC: A47C 19/045

US: 5/11



Family:

Publication number	Publication date	Application number	Application date
US2015250323 AA	20150910	US20130987560	20130806

Priority:

US20130987560 20130806

Probable Assignee:

GOLDSMITH AARON

Assignee(s): (std):

GOLDSMITH AARON

Inventor(s): (std):

GOLDSMITH AARON