

Search history

- Search 1: SFT=(arm and support and slide*) (Results 402327)
Search 2: SFT=(arm and support and slide*) and IC=(a47c) (Results 7665)
Search 3: SFT=(arm and support and slide* and tuck*) and IC=(a47c) (Results 184)
Search 4: SFT=(arm and support and slide* and tuck*) and IC=(a61g) (Results 148)
Search 5: SFT=(arm and slide* and tuck*) and IC=(a61g) (Results 160)

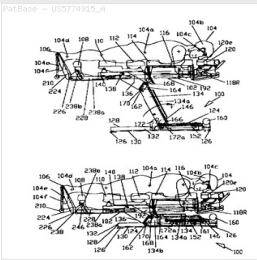
1) Family number: 11000353 (US5774915A)

PATIENT TREATMENT APPARATUS

Abstract: Source: US5774915A Treatment apparatus supporting a patient lying in a generally prone or supine position for manipulation includes a base and a table supported thereabove for movement between selected different horizontal positions or working levels for treatment of the patient. The table is tiltable toward and away from an upright position for facilitating the patient in mounting and dismounting before and after treatment and includes a foot piece adjacent an end of the table for supporting the patient when mounting and dismounting. A plurality of cushions are mounted for movement along the table to selectably adjustable positions for accommodating patients of different size and shape. The table includes an electrically powered drive system for movement of table components for controlling the different selected working levels for the convenience of a particular chiropractor or other practitioner, the tilting action and cushion position adjustments and a memory is provided in a control system so that table positions and movements for a particular patient and treatment practitioner are automatically repeatable. One or more automatic self-cocking, electrically controlled drops are provided for cushions on the table to initiate automatic lifting and recocking of the drop so that the practitioner can maintain continuous hand contact with the patient being treated while successive drops are performed. The drops automatically measure the patient's weight and provide for a selectively adjustable amount of downward force exerted by the practitioner for initiating a drop of the cushion in a direction selected.

Probable Assignee: WILLIAMS HEALTHCARE SYSTEMS

Earliest Publication Date: 19970320



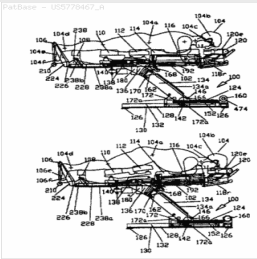
2) Family number: 11011151 (US5778467A)

PATIENT TREATMENT APPARATUS

Abstract: Source: US5778467A Treatment apparatus supporting a patient lying in a generally prone or supine position for manipulation includes a base and a table supported thereabove for movement between selected different horizontal positions or working levels for treatment of the patient. The table is tiltable toward and away from an upright position for facilitating the patient in mounting and dismounting before and after treatment and includes a foot piece adjacent an end of the table for supporting the patient when mounting and dismounting. A plurality of cushions are mounted for movement along the table to selectably adjustable positions for accommodating patients of different size and shape. The table includes an electrically powered drive system for movement of table components for controlling the different selected working levels for the convenience of a particular chiropractor or other practitioner, the tilting action and cushion position adjustments and a memory is provided in a control system so that table positions and movements for a particular patient and treatment practitioner are automatically repeatable. One or more automatic self-cocking, electrically controlled drops are provided for cushions on the table to initiate automatic lifting and recocking of the drop so that the practitioner can maintain continuous hand contact with the patient being treated while successive drops are performed. The drops automatically measure the patient's weight and provide for a selectively adjustable amount of downward force exerted by the practitioner for initiating a drop of the cushion in a direction selected.

Probable Assignee: WILLIAMS HEALTHCARE SYSTEMS

Earliest Publication Date: 19980714



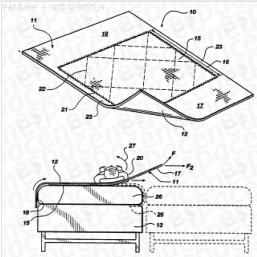
3) Family number: 11631329 (US5329655A)

SLIDABLE HOSPITAL SHEET FOR TURNING PATIENTS

Abstract: Source: US5329655A A sheet to be used to help turn or position a patient wherein the sheet includes a bottom surface and top surface, the bottom surface including opposing end portions and a central portion which has less frictional drag than the opposing end portions and top surface. The top surface is constructed in a configuration with an area larger than the area of the central portion at the bottom surface. A method of application is also disclosed.

Probable Assignee: GARNER DEAN

Earliest Publication Date: 19940719



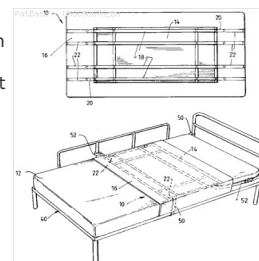
4) Family number: 15295482 (US6658676B)

SEMI-PERMANENT BEDSHEET DEVICE

Abstract: Source: US6658676B A bedsheet device (10) configured to overlay a mattress (12), the bedsheet device (10) comprising: a slide sheet (14, 16) being constructed of a pliable material and having a lower surface (14) which is of a relatively low friction material designed to slide relative to an upper surface of the mattress (12) under the weight of a patient; and reinforcing means (20) affixed to the slide sheet (14, 16) to provide sufficient reinforcement to permit suspension and/or turning of the patient upon the slide sheet (14, 16), said reinforcing means (20) being capable of being manipulated independent of the slide sheet (14, 16) to effect said suspension and/or turning of the patient.

Probable Assignee: PERSSON CORAL MARGARET

Earliest Publication Date: 20010215



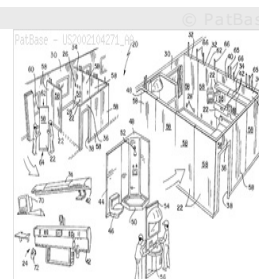
5) Family number: 28274374 (US2002104271A)

MODULAR PATIENT ROOM

Abstract: Source: US2002104271A A modular patient room includes a plurality of modular wall panels or units having various configurations. In some embodiments, the modular wall units have water dispensers. Headwall units having water dispensers are also disclosed. The water dispensers are configured to filter water or to sterilize water.

Probable Assignee: WITTRUCK ENTERPRISES LLC

Earliest Publication Date: 20020618



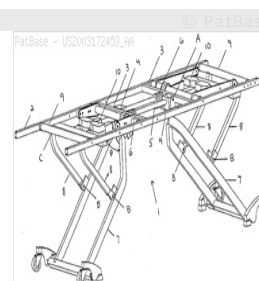
6) Family number: 29081165 (US2003172459A)

HEIGHT ADJUSTABLE BED AND AUTOMATIC LEG STABILIZER SYSTEM THEREFOR

Abstract: Source: US2003172459A A vertically adjustable mechanical bed consisting of a bed frame for support of a mattress and occupant attached to moveable leg means powered by a motor means. Operation of the motor means causes a bearing block attached to the leg means to move longitudinally along a guide rod means, thereby collapsing the leg means beneath the bed and moving the bed frame vertically. Collapsing the bed to its substantially lowermost position causes the bearing block to engage a spring, thereby compressing said spring between the bearing block and a transverse member of the bed frame. The energy stored by the compression of the spring is used to raise the bed from its substantially lowermost position. Pivotaly attached to the leg means is a rolling means consisting of a caster and foot arrangement. During normal operation, the foot is firmly engaged with the floor surface. When the bed frame moves to its substantially uppermost position, a pin extending from the leg means and constrained in a slot on a flanged face of the rolling means engages one end of the slot, thereby causing the rolling means to pivot and the caster to engage the floor, rendering the bed horizontally mobile.

Probable Assignee: CARROLL HEALTHCARE LP

Earliest Publication Date: 20020404



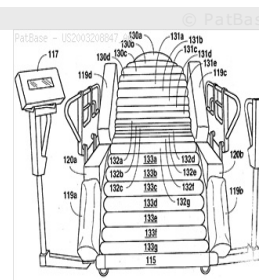
7) Family number: 30117485 (US2003208847A)

BARIATRIC TREATMENT SYSTEM AND RELATED METHODS

Abstract: Source: US2003208847A 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.

Probable Assignee: HUNTLEIGH TECHNOLOGY LTD

Earliest Publication Date: 19980528



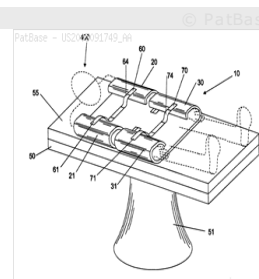
8) Family number: 31870632 (US2005091749A)

SURGICAL ARM POSITIONING PAD

Abstract: Source: US2005091749A An arm protection apparatus for a patient's arms when the patient is in a prone or supine position. The arm protection apparatus involves a central pad, which is positioned under a patient's body. Sections come off the central pad, which may be positioned around a patient's arm to cushion the arm from outside pressure. Ordinarily, a patient's upper arm and lower arm will both be contained within separate sections that are attached to the central portion of the pad. The pad will be constructed of a soft cushioning foam-like material, which is radiolucent and easily folded or cut as need be. The pad will ordinarily be disposable and discarded after one use and can be packaged and stored in a sterile container.

Probable Assignee: HUMBLES FRANK FORREST

Earliest Publication Date: 20050505



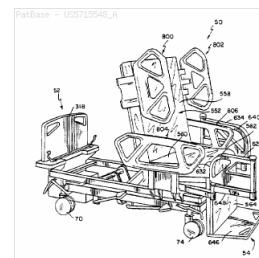
9) Family number: 33496397 (US5715548A)

CHAIR BED

Abstract: Source: US5715548A 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.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 19980210



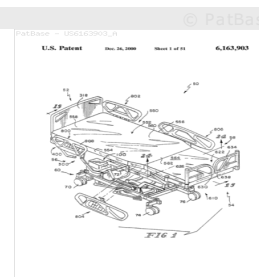
10) Family number: 33496485 (US6163903A)

CHAIR BED

Abstract: Source: US6163903A 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.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20001226



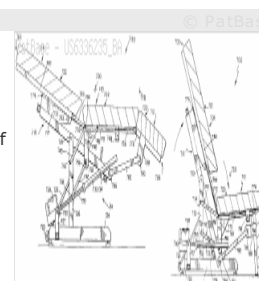
11) Family number: 33496517 (US6336235B)

CHAIR BED

Abstract: Source: US6336235B 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.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20020108



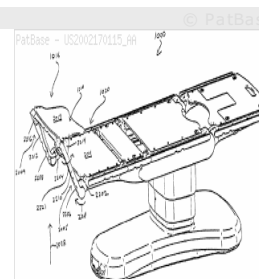
12) Family number: 33528171 (US2002170115A)

LEG SECTION SUPPORT FOR A SURGICAL TABLE

Abstract: Source: US2002170115A A surgical table apparatus is provided for supporting a patient before, during, or after a surgical procedure. The surgical table apparatus includes a base and a table top. The table top includes a body support section adapted to support the body of a patient and a leg support section adapted to support the legs of a patient.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20021121



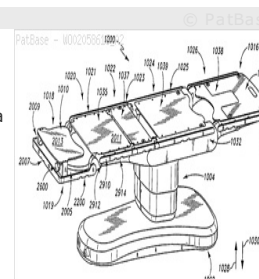
13) Family number: 33531323 (WO02058616A2)

HEAD SECTION SUPPORT FOR A SURGICAL TABLE

Abstract: A surgical table apparatus (10) is provided for supporting a patient before, during, or after a surgical procedure. The surgical table apparatus (10) includes a base (12) and a table top (16). The table top (16) includes a body support section (17) adapted to support the body of a patient and a head support section (18) adapted to support the head of a patient.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20020801



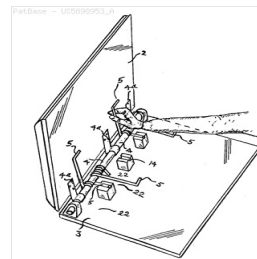
14) Family number: 9419270 (US5898953A)

RISING SEAT FOR SEATING INCLUDING TOILETS

Abstract: Source: US5898953A PCT No. PCT/GB94/01134 Sec. 371 Date Nov. 22, 1996 Sec. 102(e) Date Nov. 22, 1996 PCT Filed May 24, 1994 PCT Pub. No. WO95/31953 PCT Pub. Date Nov. 30, 1995A Rising Seat that can be fixed permanently to a seat or toilet and which can also be readily adapted as a portable seat. It comprises a top rising section on which the user sits, pivoted to a bottom section. There is at least one torsion spring located on a torsion bar that may also act as a hinge. When the legs of any selected number of springs are placed in spaces/openings incorporated in the seat, those springs become inoperable having been moved away from firm surfaces on the rising seat against which they give resilience to the top section. This enables adjustment to be made to suit the weight of the user, and when the legs of all the springs are placed in the spaces/openings the top section can be folded down without resilience for carriage and storage and to give the appearance of a standard seat cushion when not in use.

Probable Assignee: PAXON JOHN B

Earliest Publication Date: 19940525



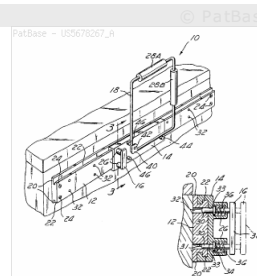
15) Family number: 13270015 (US5678267A)

MEDICAL EXAMINATION TABLE HANDLE SYSTEM

Abstract: Source: US5678267A A handle system for a medical examination table includes a rail mounted to the side of the table, a guide member slidably connected to the rail, a stopper member releasably connected to the guide member and the rail, and a handlebar connected to the guide member. The position of the handlebar may be easily adjusted to meet the varying needs of patients in supporting movements onto or about the table. In a preferred embodiment, the handlebar pivots about the guide member to a stowed position below the top surface of the table. Also in a preferred embodiment the stopper member is configured with a handhold for one-handed release and sliding of the guide member relative to the rail. The present invention provides adjustability, simplicity, and the desired sturdy support.

Probable Assignee: KINDER FLORENCE E

Earliest Publication Date: 19971021



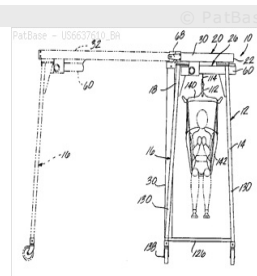
16) Family number: 20696691 (US6637610B)

PERSONAL TRANSPORTER

Abstract: Source: US6637610B Structure and procedures for lifting, transferring and moving a person, such as a bed ridden person or one requiring the use of a wheelchair, involve a frame (393) supported on wheels (394, 395), a horizontal load supporting beam (392) in an upper part of the frame, and a motor-powered winch (391) supported by the frame (393) for movement along the beam. Med winch (391) can be arranged to synchronously raise and lower a pair of horizontally spaced couplings by which a carrier (480) for a person can be connected to the winch (391). The beam (392) can be of variable length. The frame (393) can include a pair of beam-supporting legs (406, 407), one of which can be movable along and removable from the beam as extended from a minimum length state in which the frame (393) can be moved through a doorway. The frame (393) can be of fixed width, with the beam extendible from a side of the frame in conjunction with ground-engaging stabilizers (446, 446') which are extendible from the frame to support the frame from overturning when a person is supported outside the frame from the extended beam (413). A carrier (480) for a person can be a fabric construction which has stiffened back (483) and seat portions, and a lift point at each side of the carrier (480). Another form of carrier can also serve as a portion of a bed.

Probable Assignee: CHEESEBORO ROBERT G

Earliest Publication Date: 20000518



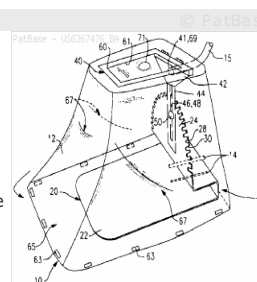
17) Family number: 20719110 (US6367476B)

MEDICAL CANOPY AND SUPPORT APPARATUS FOR CANOPY AND TUBES

Abstract: Source: US6367476B A support stand formed from a generally flat sheet of rigid material and having a base member, a generally vertical tube support member extending from the base, and a generally C-shaped portion interposed between the tube support and the base, the tube support having a generally circular edge with a plurality of generally circular notches defined therein. A canopy support member is provided having a generally vertical member with an elongate adjustment member extending therefrom and slidingly and detachably coupled to the tube support, and having a generally horizontal member hingedly attached to the generally vertical member, the generally vertical member having an opening for receiving a tube therethrough, the generally vertical member having at least one stop and the generally horizontal member having at least one surface capable of being positioned in a face to face relationship with and supporting a portion of the surface. A generally transparent canopy is preferably provided draping over the canopy support to form a space thereunder, the canopy having at least one air inlet opening, at least one air outlet opening, and at least one access opening. The horizontal member preferably has a quadrilateral shape with an opening defined therein. Alternatively, the generally horizontal member may be formed by an elongate arm with at least one finger pivotally mounted thereto and/or the apparatus may be provided without the tube support.

Probable Assignee: CONN BRENDA SUE

Earliest Publication Date: 20020409



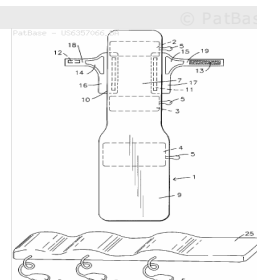
18) Family number: 20772060 (US6357066B)

PATIENT SUPPORT DEVICE

Abstract: Source: US6357066B A patient support device, and more particularly, a patient support device which provides improved full-body comfort to conscious patients immobilized for one or more hours while undergoing imaging or interventional procedures. The patient support device preferably comprises a foam for supporting the body and inflatable bladders for providing adjustable comfort to the cervical, lumbar and patellar regions of the patient. Arm restraints which safely and securely position patient's arms laterally on a narrow support (table).

Probable Assignee: PIERCE CARLA TERZIAN

Earliest Publication Date: 20020319



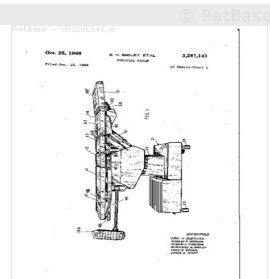
19) Family number: 22535968 (US3281141A)

SURGICAL TABLE

Abstract: Source: US3281141A (Claim 1) 1. A surgical table _comprising a head, back, lumbar, sacral, thigh, and foot section swingably connected together at their ends to form a continuous table top adapted to be supported with the tops of said sections in a com- mon plane, and means to swing each said section up or down relative to the other section connected thereto, said lumbar and sacral sections being short relative to said back and said thigh sections.

Probable Assignee: AMERICAN STERILIZER CO

Earliest Publication Date: 19640716



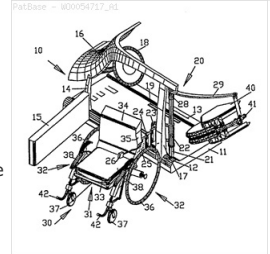
20) Family number: 29527174 (WO0054717A1)

DEVICE FOR THE USE OF MOTOR VEHICLES BY WHEELCHAIR-BOUND INDIVIDUALS

Abstract: The invention relates to a wheelchair with removable wheels in combination with a pivoting and lifting device, whereby said swinging and lifting device can be mounted in a motor vehicle and comprises a coupling element which can be coupled to a corresponding coupling element that is accordingly mounted on the wheelchair, said coupling being carried out within certain angular and positional tolerances. The pivoting and lifting device essentially consists of a vertical pillar which is mounted behind the so-called B pillar of a motor vehicle and is provided with a horizontal link chain having vertical articulated axles. The link chain is fixed to a hoisting device. The wheelchair is latched and raised together with the user thereof. The side components of the wheelchair and the wheels are dismounted. The seat of the wheelchair together with the user thereof are pivoted into the motor vehicle and the seat latched at the undercarriage in such a way that the seat of the wheelchair is at the same time the seat of the car. In addition, a second pivoting device is provided. A carry case for receiving the side components of the wheelchair and the wheels is hung up at said second pivoting device. The carry case can thus be transported to the back seat of the motor vehicle.

Probable Assignee: CO MET CARSTENS ORTHOPAEDIE UN

Earliest Publication Date: 19990602



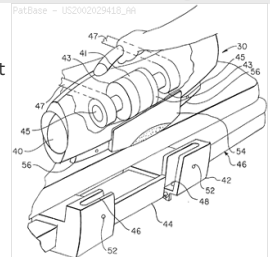
21) Family number: 30108731 (US2002029418A)

PORTABLE DEVICE FOR PATIENT PULLUP, ROLLOVER, AND TRANSFER AND METHODS THEREOF

Abstract: Source: US2002029418A This invention relates to portable devices and their methods of use, which assist in moving patients positioned on beds, gurneys, or other such patient supports. More particularly, the invention relates to portable devices and their methods of use, which enable a single health care worker to perform a patient pullup, roll the patient to a desired position, reposition the patient, or laterally transfer the patient to another patient support.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 19970320



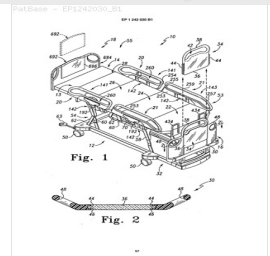
22) Family number: 33496650 (EP1242030A1)

HOSPITAL BED

Abstract: Source: EP1242030A1 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.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20010709



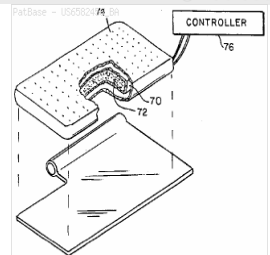
23) Family number: 33528797 (US6582456B)

HEATED PATIENT SUPPORT APPARATUS

Abstract: Source: US6582456B An apparatus for warming a patient includes a patient support surface having an outer cover configured to contact the patient, an electrically conductive fabric located within the cover, and a controller electrically coupled to the conductive fabric to heat the electrically conductive fabric to a selected level.

Probable Assignee: HILL ROM INC

Earliest Publication Date: 20030624



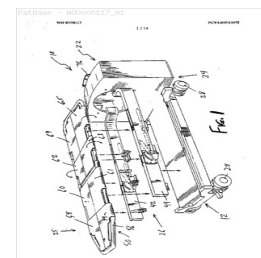
24) Family number: 33531275 (WO0000117A1)

HEATED PATIENT SUPPORT APPARATUS

Abstract: An apparatus for warming a patient includes a patient support surface (26) having an outer cover (74) configured to contact the patient, an electrically conductive fabric (70) located within the cover, and a controller electrically coupled to the conductive fabric to heat the electrically conductive fabric to a selected level.

Probable Assignee: HILL ROM CO INC

Earliest Publication Date: 20000106



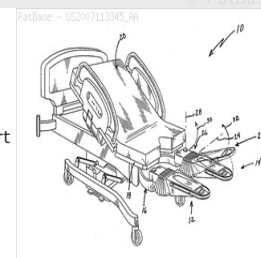
25) Family number: 34488487 (US2007113345A)

BIRTHING BED FOOT SUPPORT RELEASE HANDLE

Abstract: Source: US2007113345A A limb support coupled to a patient-support apparatus comprises a frame having a pair of locks to block vertical and horizontal pivoting of the limb support in relation to the patient-support apparatus. The lock release actuator is configured to be coupled to the frame to simultaneously unlock both the vertical and horizontal rotation locks. The limb support includes a stowable leg support configured to provide support to the leg of a patient during obstetric delivery.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20070523



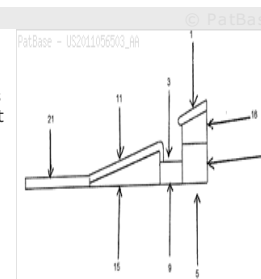
26) Family number: 43650260 (US2011056503A)

ERGONOMIC SUPPORT APPARATUS AND METHOD FOR ASSISTING SLEEP

Abstract: Source: US2011056503A The present invention relates to the field of assisting sleep, including apparatus and methods for assisting sleep. In one form, the invention provides a postural support apparatus comprising a first supporting means (5) adapted to support the head of the user, a second supporting means (15) adapted to support the rib cage of the user, and a recess (3) intermediate the first supporting means (5) and the second supporting means (15), the recess (3) being adapted to accommodate at least part of an arm of the user, wherein the apparatus aligns the head and spine of the user such that the user's airways are kept open.

Probable Assignee: ABRAHAM CYNTHIA R

Earliest Publication Date: 20090827



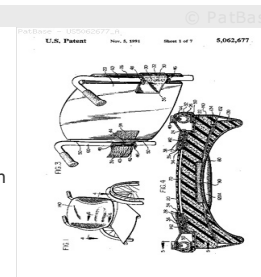
27) Family number: 5150594 (US5062677A)

WHEELCHAIR BACK SYSTEM

Abstract: Source: US5062677A A wheelchair back system provides height adjustability of the back, adjustment of the tilt and a lumbar support for a user. The back system is removably-affixed to vertical wheelchair posts by pairs of upper and lower channels at the lateral edges of the back. One of the channels on each side is open to the rear and the other of said channels is open to the front, whereby the channels engage the wheelchair posts. A clip, affixed to the rear side of the wheelchair posts, releasably engages the front opening channels to secure the back in engagement with the wheelchair post.

Probable Assignee: SUNRISE MEDICAL HHG INC

Earliest Publication Date: 19900516



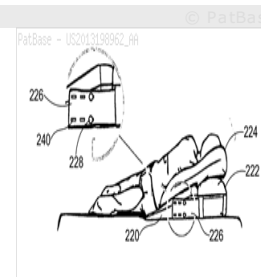
28) Family number: 54512095 (US2013198962A)

THERAPEUTIC CUSHION SYSTEMS AND METHODS

Abstract: Source: US2013198962A Apparatus and methods for providing therapeutic treatment for symptoms associated with GERD and/or other digestive disorders and methods for other medical conditions are described herein. In some embodiments, an apparatus includes a support element that has a first end portion and a second end portion and a top surface disposed at an angle relative to a bottom surface of the support element. The second end portion has a height greater than the first end portion. A riser element is configured to be coupled proximate to the second end portion of the support element. A body element is configured to be disposed on at least one of the support element or the riser element. The body element has a first arm and a second arm connected together by an arc portion.

Probable Assignee: AMENITY HEALTH INC

Earliest Publication Date: 20130808



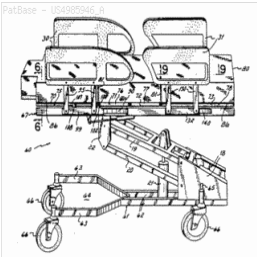
29) Family number: 11021098 (US4985946A)

HOSPITAL BED ADAPTED FOR USE WITH A C-ARM

Abstract: Source: US4985946A A hospital bed is supported on a Y-shaped base to facilitate the introduction of a C-arm for imaging a patient's chest. Head guards are mounted on each side of the head end of the bed on linkages that permit the head guards to be swung toward the foot end of the bed to improve the positioning of the C-arm over the head end of the bed. The head panel has pivotable longitudinal edges to further improve the positioning of the C-arm over the head end of the bed. Pivotable longitudinal edges of the head and leg panels permit head and foot guards to be moved laterally inwardly to narrow the bed for transporting a patient.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 19910122



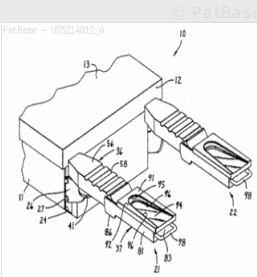
30) Family number: 11173996 (US5214812A)

BREAKAWAY FOOT SECTION FOR DELIVERY BED

Abstract: Source: US5214812A A delivery bed includes two spaced foot support assemblies which project outwardly from one end thereof. Each foot support assembly includes a first horizontally extending member having a top surface with transversely extending grooves and having a bottom surface, and a second member having two spaced, transversely extending rods which respectively slidably engage the top surface and bottom surface of the first member, the second member having therein a foot-shaped recess. A pad can be removably supported on the two foot support assemblies without any need for additional support structure for the pad intermediate the foot support assemblies. The pad is held in place by two fastening straps which extend downwardly between the foot support assemblies and are each releasably coupled to a respective one of the foot support assemblies. Alternatively, the pad can be held in place by brackets on the pad which releasably engage brackets provided on the foot support assemblies near the outer ends thereof.

Probable Assignee: STRYKER CORP

Earliest Publication Date: 19930601



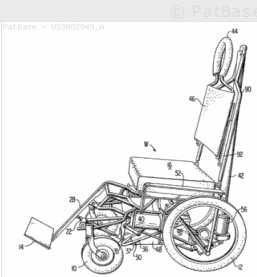
31) Family number: 1139284 (US3882949A)

UNIVERSAL WHEELCHAIR FOR THE SEVERELY DISABLED

Abstract: Source: US3882949A A universal, adjustable-height powered wheelchair is disclosed for the severely disabled, such as quadriplegic, driver. The wheelchair has a powered elevating mechanism capable of raising the seat and occupant from a height of 6 inches to 26 inches above the ground. It is capable of climbing a 12 inch high curb and may be used while driving any standard-sized two door sedan.

Probable Assignee: US HEALTH

Earliest Publication Date: 19750513



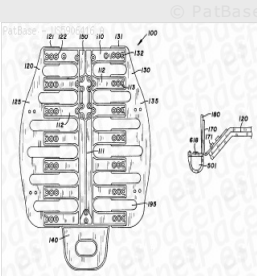
32) Family number: 11583028 (US5906416A)

ADJUSTABLE WHEELCHAIR BACK, RELATED DEVICES AND ADJUSTABLE WHEELCHAIR SEAT BACK CUSHION

Abstract: Source: US5906416A A wheelchair seat back having width adjustable wings, a mechanism to permit forward and backward angular adjustment of the wheelchair seat back, a clamping assembly for mounting the wheelchair seat back to wheelchair uprights, and a width adjustable cushion for a width adjustable wheelchair seat back.

Probable Assignee: EDIZONE LC

Earliest Publication Date: 19990525



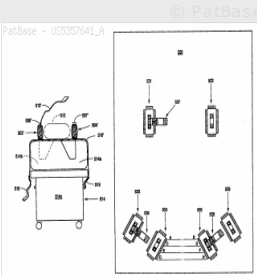
33) Family number: 12493194 (US5357641A)

PATIENT POSITIONERS FOR USE ON OSCILLATING AIR SUPPORT SURFACES

Abstract: Source: US5357641A An overlay sheet and a related method for positioning a bedridden patient on an oscillating air support system for maximum safety and maximum therapeutic benefit. An overlay sheet which positions the patient is provided including the sheet, the supports which are located between the patient's arms and torso, and a retaining VELCRO strap. The patient is positioned between the supports and retained by the VELCRO straps, thus, ideally positioned and prevented from sliding side-to-side during oscillation of the air support system.

Probable Assignee: KINETIC CONCEPTS INC

Earliest Publication Date: 19941025



34) Family number: 14318780 (FR2769497A)

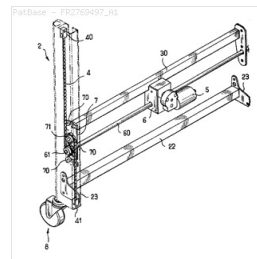
HOSPITAL BED WITH ELECTRICALLY OPERATED END SUPPORTS

PatBase

Abstract: The chain and pinion mechanism drive provides a compact height adjusting assembly fitting within each bed support post. The hospital bed consists of vertical support posts (2) with cross rails (30) extending between the posts. The posts are hollow with a chain (4) extending from the top to the bottom of each hollow post. A transverse rotary shaft (60) extends from a position under the cross rail to support a pinion inside the hollow post. The teeth of the pinion engage the chain, so that by rotation of the pinion the shaft, pinion and cross rail may be raised or lowered on the chain. The chain forms an S-shape around the pinion, and around a second pinion. The shaft is linked to an electric motor (5) and gear box mounted centrally under the bed support cross rail (30).

Probable Assignee: LE COUVIOUR ETS

Earliest Publication Date: 19990416



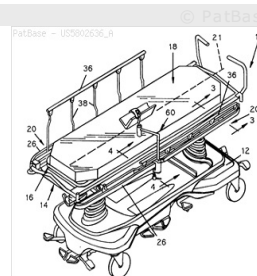
35) Family number: 15498107 (US5802636A)

INTEGRATED SIDERAIL AND ACCESSORY RAIL FOR A BED

Abstract: Source: US5802636A A rail apparatus is configured to be mounted to a frame of a bed. The apparatus includes a siderail, a support having a first end pivotably coupled to the siderail and a second end, and a bottom mounting pivotably coupled to the second end of the support. The bottom mounting including at least one mounting bracket for coupling the bottom mounting to the frame of the bed, and an accessory rail configured to permit mounting of accessory items on the rail apparatus.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 19980430



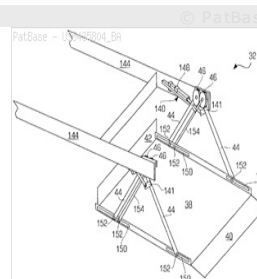
36) Family number: 15768175 (US6435804B)

LIFTING APPARATUS

Abstract: Source: US6435804B The disabled person lifting apparatus permits an object, such as a wheelchair user, to be moved between a first position and a second position in which the first and second positions are at different vertical distances. For a vehicle wheelchair lifting apparatus, the first position may be a ground level and the second position may be at the height of the door of the vehicle so that the disabled person may enter the vehicle. When the lifting apparatus is not being used, it may be stored underneath the vehicle or in the floor of the vehicle. The lifting apparatus may include a pair of lifting arms at each side of a lifting platform that are driven by an electrical motor or a hydraulic ram. The lifting apparatus may move in a vertical direction with no horizontal movement.

Probable Assignee: HUTCHINS MARK

Earliest Publication Date: 20011129



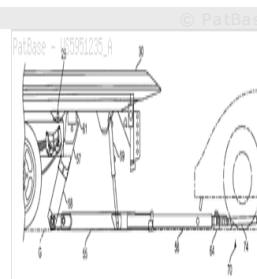
37) Family number: 16039669 (US5951235A)

ADVANCED ROLLBACK WHEEL-LIFT

Abstract: Source: US5951235A An improved wheel-lift apparatus attachable to various types of transport trucks, including rollback trucks for loading and carrying disabled vehicles. The improved wheel-lift apparatus provides a horizontal extendable boom mechanism long enough for receiving disabled vehicles. As a result of the wheel-lift's "low angle" or horizontal approach, the risk of damage occurring to the chassis or body of the disabled vehicle while in the loading and carrying modes is greatly diminished.

Probable Assignee: JERR DAN CORP

Earliest Publication Date: 19980212



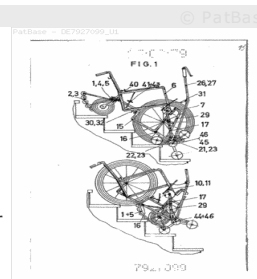
38) Family number: 16511285 (DE7927099U1)

Abstract: Source: DE7927099U1 (Claim 1) 1. Treppensteigender Allweg Rollstuhl mit Handantrieb, bestehend aus dem Vorlaufgeraet zur ueberwindung von Treppenansaetzen, einer mechanischen Sitzbankverstelleinrichtung, und einem Handantrieb, dem Kraftuebertragungsteil, dadurch gekennzeichnet, dass an der Ra.aabel des kleinen Laufrades (1) ein Vorlaufgeraet leicht anbringbar befestigt ist, bestehend aus einem U-foermigen Leichtprofil-Halterahmen (2) in bgenform mit den U-Schenkel nach aussen gerichtet, welche in der aeuusseren Randzone in Querrichtung abstandsgleiche Bohrungen zur Aufnahme der Befestigungsschrauben aufweisen, fuer die die hintereinander im U-profilgefuehrten Gleitrollen (3), wobei im eingeschlossenen Freiraum zwischen Laufflaeche der Gleitrolle (3) und dem U-Mittelschenkel (2) jeweils ein Rundbolzen als Ruecklaufsperre (547) mittels eingestanzten Steg gefuehrt vorgesehen ist, kann ein Gleitriemen ueber alle Gleitrollen aufgezogen werden, welcher oberhalb des U-Profiles (2) mittels Spannrolle verspannt werden kann, und das Gleitgeruest durch Streben mit der Einhaengevorrichtung (4) verbunden an der Radgabel (1) eingehaengt sowie mittels Sicherungsstift (5) gesichert ohne Beeintraechtigung der Lenkfaehigkeit die Funktion uebernehmen. I

Machine translation: (Claim 1) 1 Staircase Rising Allweg wheelchair with hand drive, best-basis marked the Vorlaufgeraet to Overcome Treppenansaetzen, a mechanical Sitzbankverstelleinrichtung, and a manual drive, the Kraftuebertragungsteil, in that on the Ra.aabel of the small wheel (1) a Vorlaufgeraet is fixed easily attachable consisting of a U-shaped light profile-holding frame (2) outside in bgenform with the U-legs after directed, well-surface in the outer marginal zone in the transverse direction spacing same surface holes for the screws to-point, for the succession in the U- profil2gefuehrten roll slide (3), wherein the enclosed space between Laufflaeche the caster (3) and the U-center limb (2) each have a round bolt as Ruecklaufsperre (547) using stamped bridge made out is, can a Gleitriemen over all the rollers are raised, which above the U-section (2) can be clamped by means of tensioning roller, and the Gleitgeruest by working with the suspension device (4) connected to the fork (1) one-hanged, and by means of locking pin (5) secured without compromising Lenkfaehigkeit function transferee mes. I

Probable Assignee: HAPKE HEINZ 6457 MAINTAL DE

Earliest Publication Date: 19810527

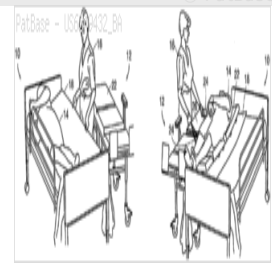


METHOD AND APPARATUS FOR PATIENT TRANSFER

Abstract: Source: US6349432B This invention provides methods and apparatus for moving or transferring a prone person or other body between two platforms, permitting a single caregiver of less than average strength to perform such transfer between an unmodified bed and a second surface, which may for example be part of a transport device. The method involves providing some form of low friction surface over any significant portion of a bed or other platform over which the person or other body is to be moved, the person either being mounted on a low friction board or sheet having straps extending therefrom to facilitate movement of the person across a first platform to a second platform, which is preferably mounted at a slightly lower height than the first one, or straps being wrapped around the person at two spaced locations and used for pulling the patient across the low friction surface to effect the transfer. The invention also includes low friction transfer boards, low friction sheets and special straps adapted for practicing the above methods.

Probable Assignee: WINCO MFG LLC

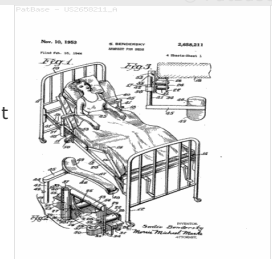
Earliest Publication Date: 20020226

**ARMREST FOR BEDS**

Abstract: Source: US2658211A (Claim 1) 1. An arm rest assembly adapted to be used in .5 -for securing said extension arm fixedly in adjusted position on said post, an arm rest carried by said extension arm, and horizontal pivot means securing the other end of the post to said mounting section., for pivotal movement (_gt;f the post about an axis parallel to said rail, the construction and -arrangement being such that the arni rest may be located in oper,%tive position over said body supporting portion or swung to inoperative position under said body supporting portion.

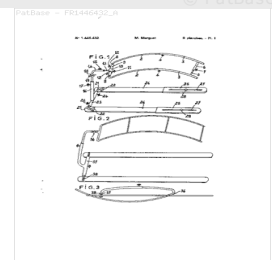
Probable Assignee: SADIE BENDERSKY

Earliest Publication Date: 19531110

**APPAREIL DE LITERIE A ARCEAUX A SUPPORT EXTERIEUR****UNIT OF BEDDING ARCEAUX A FOREIGN SUPPORT (MACHINE TRANSLATION)**

Abstract: Source: FR1446432A **ATTENTION** debut du champ CLMS peut contenir fin de DESC **. cules a support exterieur montre que dans la pratique cet agencement peut etre simplifie et reduit a un appareil non transformable ne conservant que le principe de la fixation exterieure avec tous ses avantages. L'aspect d'un tel appareil est montre figure 4. Cependant, pour des raisons de commodite, on peut s'orienter plus specialement sur un appareil simplifie, qui offre a la fois les avantages essentiels du systeme articule et le benefice d'un encombrement reduit. Les figures 2 et 3 montrent une forme d'execution plus simple de cet appareil en position d'utilisation et replie pour en faciliter le magasinage grace a l'articulation 36 et au tube 37 pivotant sur l'entretoise 38. Dans les formes d'execution decrites ci-dessus, les appareils qui ne sont pas en service peuvent etre plies de telle sorte qu'il deviennent relativement peu encombrants, ce qui facilite leur transport et leur stockage. Mais si l'encombrement n'est pas un inconvenient, on peut simplifier a l'extreme leur agencement par suppression notamment des elements contribuant aux divers reglages qu'ils peuvent subir. Selon une premiere variante (fig. 4), cet appareil peut ne comporter que deux semelles 41, en forme de fourche, se glissant entre le matelas 30 et le sommier 29 pour immobiliser la potence 42 prenant appui sur le pied 43 de cette fourche pour soutenir les arceaux 44. Selon une autre variante, cet appareil (fig. 5) comporte deux arceaux 45 dont le prolongement vers le bas concourt, en regard de chacun d'eux, a la formation d'une double potence 46 et de la double semelle 47 se glissant entre le matelas et le sommier. Des entretoises 48 maintiennent un ecartement constant. RESUME 1" Appareil de literie a arceaux, caracterise en ce que lesdits arceaux, en nombre variable, sont supportes par une potence exterieure dont le pied est pourvu d'un moyen de fixation au lit du patient. 20 Appareil tel que specifie en 1", caracterise en outre par les points suivants pris ensemble ou separement: a. Les arceaux sont de longueur et d'ecartement de preference reglables; b. La potence support des arceaux est inclinable et orientable en direction, reglable en hauteur et en longueur; c. Le pied de la potence repose sur un socle porte par deux semelles a glisser entre le matelas et le sommier du lit, ces semelles orientables en direction et d'ecartement et de longueur reglables. 3 Forme d'execution simplifiee de l'appareil specifie en lo, caracterise en ce que les arceaux portes par une potence reposant sur une double semelle sont depourvus d'articulation et de reglage les uns par rapport aux autres. 40 Autre variante d'execution de l'appareil specifie en 1", caracterise en ce que les arceaux sont articules a l'extremite du bras de la potence orientable en direction reglable en hauteur et inclinable par rapport a la double semelle la soutenant. 50 A titre de produit industriel nouveau, tout appareil comportant des arceaux avec support exterieur, tel que specifie en 1, 20, 30 ou 40. ** WARNING ** start of CLMS field may contain end of DESC. ** vehicles outside a bracket shows that in practice this arrangement can be simplified and reduced to a non-convertible instrument retaining only the principle of external fixation with all its advantages. The appearance of such a device is illustrated in figure 4 . However, for reasons of convenience, we can focus more on a device specially simplified, which offers both the essential advantages of the system organized and the benefit of a reduced footprint. Figures 2 and 3 show a simpler form of execution of this equipment in use position and folds for easy shopping thanks to the joint 36 and the tube 37 to pivot on the spacer 38. In the forms of execution described above, the devices are not in use can be folded so that it becomes relatively compact, making them easy to transport and storage. But if the size is not a disadvantage, can be simplified to the extreme by deleting their arrangement of the elements contributing to such various settings they may suffer. According to a first variant (Fig. 4), this unit can contain only two flanges 41, forked, slipping between the mattress and box spring 30 29 42 immobiliser stem bearing on the foot 43 of the fork support poles 44. According to another embodiment, the device (Fig. 5) has two poles 45 whose downward extension contributes in respect of each of them, the formation of a double potence 46 and 47 of the double sole slipping between the mattress and box spring. Spacers 48 maintain a constant spacing. SUMMARY 1 "bed apparatus has arches, characterizes in that said arches, vary in number, are supported by an external bracket whose foot is provided with means for attachment to the patient's bedside. Specifies 20 Apparatus as in 1", further CHARACTERIZED BY the following points taken together or separately: a. The arches are long and preferably adjustable spacing b. The support arches bracket a tilt and turn towards, adjustable in height and length c. The foot of the gallows door rests on a base of two soles to slip between the mattress and bed frame, these adjustable soles management and spacing and length adjustable. 3 simplified form of execution of the instrument specifies in lo, characterized in that said hoops doors by a bracket based on double sole are devoid of articulation and adjustment against each other. 40 Another variant of the device specifies execution in 1 ", characterizes in that the poles are articulated at the tip of the arm swivel bracket with adjustable height and tilt direction with respect to the double sole supporting it. 50 As new industrial product, every device with poles with external support, such as specifies in 1, 20, 30 or 40.

Earliest Publication Date: 19660722

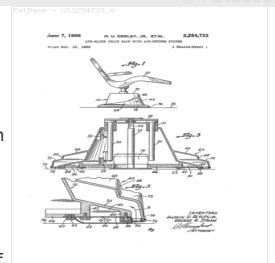


AIR-GLIDE CHAIR BASE WITH AIR-RETURN SYSTEM

Abstract: Source: US3254733A (Claim 1) 1. Mobile supporting means movable relative to a horizontal surface comprising: (a) a base structure, (b) a pair of laterally arranged inner and outer juxtaposed conduits fixedly carried by said base structure and completely surrounding the same at its bottom portion, (c) said inner conduit having a bottom plate in opposed relation to said horizontal surface, there being 4u downwardly directed openings in said bottom plate, (d) said outer conduit having for its entire extent a substantially continuous bottom opening in opposed relation to said horizontal surface, (e) the openings of both conduits lying substantially 4g in the plane of the bottom surface of said base structure and closely adjacent to said horizontal surface, (f) means including an air inlet within said base structure for supplying pressurized air to said inner conduit; . . (g) said outer conduit being in direct communication with said air inlet, whereby pressurized air flowing through said inner conduit will be discharged through the openings in said bottom plate for reaction against said horizontal surface, face to form a film of sustaining air upon which said base structure may glide and substantially all of the air exhausted laterally outwardly from the outermost perimeter of said inner conduit will be drawn into said outer conduit through its bottom opening to be delivered to said air inlet for recirculation.

Probable Assignee: DENTISTS SUPPLY CO

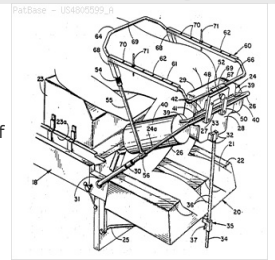
Earliest Publication Date: 19660607

**FRAMEWORK FOR SUPPORTING SURGICAL INSTRUMENTS AT A SURGICAL WOUND**

Abstract: Source: US4805599A For use in back surgery, a known kneeling attachment to an operating table has a platform on which a patient kneels with the torso positioned over one end of an operating table and the buttocks resting against the padded crosspiece of a rigid U-shaped yoke. The invention concerns a substantially rectangular rigid frame which can be mounted on the yoke with an outboard crossarm of the frame attached to the crosspiece of the yoke and the inboard end of the frame attached to the arms of the yoke. The frame is useful for supporting surgical instruments such as retractors at a surgical wound, in particular a retraction device that a surgeon can adjust with one hand, even without looking. The frame also makes possible a new surgical procedure by which a dislocated vertebra can be moved into position by a lifting mechanism suspended from the frame.

Probable Assignee: CEDAR SUURGICAL INC

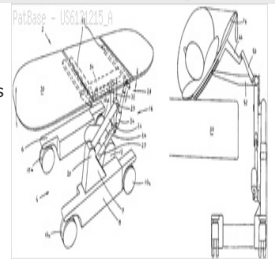
Earliest Publication Date: 19881228

**DEVICES FOR MOVING PATIENTS AND METHOD**

Abstract: Source: US6131215A PCT No. PCT/SE97/00852 Sec. 371 Date Apr. 26, 1999 Sec. 102(e) Date Apr. 26, 1999 PCT Filed May 23, 1997 PCT Pub. No. WO98/08477 PCT Pub. Date Mar. 5, 1998A roll coach for moving patients to and from a hospital bed is disclosed. It comprises a frame (4, 6, 8) a movable bunk (30) mounted on said frame (4, 6, 8), a lifting mechanism (14, 18, 20, 22, 24) connecting the bunk (30) with the frame and operative to move the bunk in a vertical direction, and a tilting mechanism (28, 32, 34) operative to tilt the bunk (30) such as to bring the side of the bunk in contact with the bed surface essentially in the middle of the bed. There is also disclosed a drag sheet and a method of moving a patient to and from a hospital bed by using a moveable bunk.

Probable Assignee: COMBIMOBIL AB

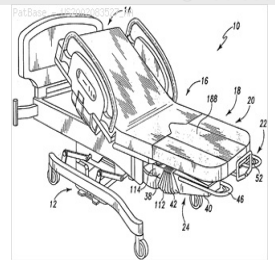
Earliest Publication Date: 19980305

**FOOT SUPPORT FOR A PATIENT SUPPORT**

Abstract: Source: US2002083527A A patient support including a frame, a head portion, a foot portion and a seat portion. The foot portion includes a removable foot section and laterally spaced foot supports configured to define a central opening therebetween. The foot supports are configured to move about a substantially vertical axis and about a substantially horizontal axis. A position adjustment mechanism is provided for locking the foot supports in desired positions relative to the frame. A light assembly is supported by the foot portion. Likewise, calf supports are coupled to the foot supports and are adjustable between storage and use positions. An actuator is provided to move the head portion relative to the seat and foot portions. A release system is coupled to the actuator to facilitate rapid lowering of the head portion of the patient support.

Probable Assignee: HILL ROM SERVICES INC

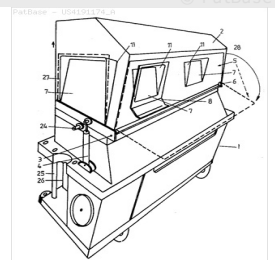
Earliest Publication Date: 20011213

**INCUBATOR OPENINGS**

Abstract: Source: US4191174A An incubator which includes an opening which includes inwardly directed canopy like flanges or the equivalent so that upon the opening of the opening preferably using a slide door, air or oxygen from the controlled environment of the incubator can exit without a tendency for cold air to roll in over the bottom edge of the opening. To enhance this effect the incubator is of a type that allows a certain amount of leakage of the life support fluid even when the opening is ostensibly closed.

Probable Assignee: DATA MEDICAL LTD

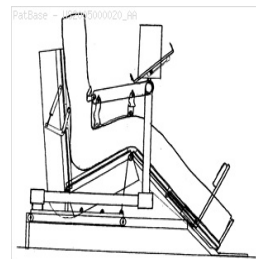
Earliest Publication Date: 19780622

**MULTI-POSITION RECLINING BED WITH DESK**

Abstract: Source: US2005000020A a reclining bed that raises the upper body and legs above horizontal, but also allows the legs to recline below, the horizontal position. The resulting ergonomic benefits of sitting up for extended periods of time makes the desk specifically designed for such a bed a necessity.

Probable Assignee: SCHERMEL SANDRA

Earliest Publication Date: 20040819



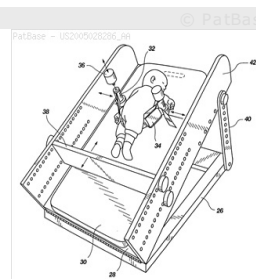
48) Family number: 31519954 (US2005028286A)

INFANT REFLUX MATTRESS SUSPENSE SYSTEM AND BED

Abstract: Source: US2005028286A An adjustable tilt bed with a post and strap securing system particularly applicable to the treatment of gastroesophageal reflux disease (GERD) in sleeping infants.

Probable Assignee: SMART LUCAS M

Earliest Publication Date: 20050210



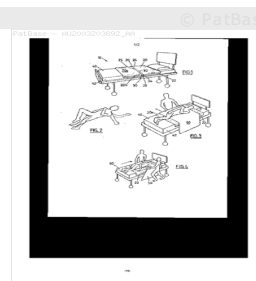
49) Family number: 31572064 (AU2003203892A)

DEVICE FOR TURNING AND SLIDING BED RIDDEN PATIENTS

Abstract: Source: AU2003203892A A device for turning and sliding a bed ridden patient. The device comprises a broad loop of fabric and a means to secure the broad loop of fabric to a bed mattress. Opposing open ends of said loop are longitudinally aligned with side edges of the bed mattress. F IG6. Fig.22 Fig.4

Probable Assignee: BROMBERGER J A N

Earliest Publication Date: 20031127



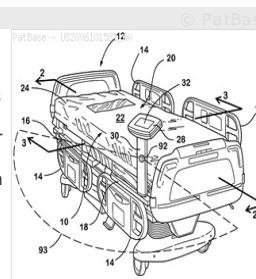
50) Family number: 33002138 (US2006101581A)

PATIENT SUPPORT APPARATUS

Abstract: Source: US2006101581A 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.

Probable Assignee: STRYKER CORP

Earliest Publication Date: 20060429



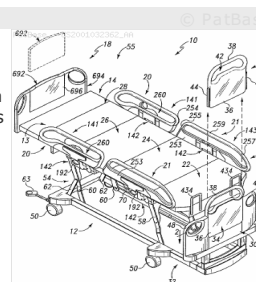
51) Family number: 33496100 (US2001032362A)

MATTRESS HAVING A RETRACTABLE FOOT SECTION

Abstract: Source: US2001032362A 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.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20011025



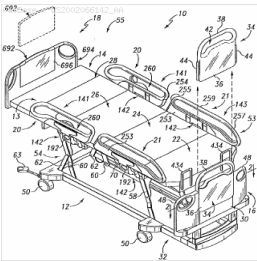
52) Family number: 33496103 (US2002066142A)

HOSPITAL BED

Abstract: Source: US2002066142A 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.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20020606



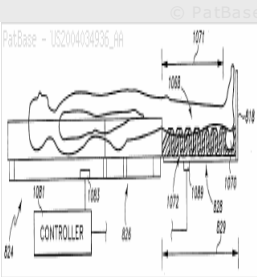
53) Family number: 33496121 (US2004034936A)

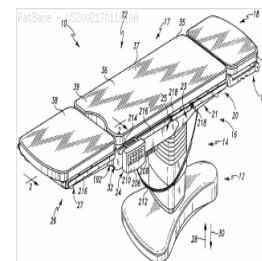
PATIENT SUPPORT

Abstract: Source: US2004034936A A bed for a person is provided. The bed includes a deck and/or a mattress having an adjustable length.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20040226





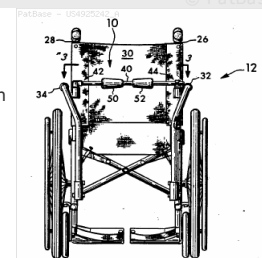
58) Family number: 3443737 (US4925242A)

ADJUSTABLE LUMBAR BACK SUPPORT SYSTEM FOR A WHEELCHAIR

Abstract: Source: US4925242A An adjustable lumbar back support system mountable across the back rest of a foldable wheelchair. The system is adjustable vertically and includes two cam members eccentrically mounted on an elongated member to selectively provide fore and aft adjustment as well as side to side adjustment. Additionally, pads can be mounted on the cam members to provide a further range of support to the system. The system provides rigidity to foldable wheelchairs and pivots out of the way when the wheelchair is collapsed. The system is also lightweight and unobtrusive and may be retrofitted to most existing styles of wheelchairs.

Probable Assignee: SCOTT ORTHOTIC LABS INC

Earliest Publication Date: 19900515



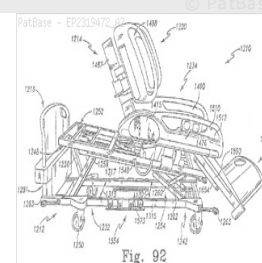
59) Family number: 34851407 (EP2319472A2)

PATIENT SUPPORT

Abstract: Source: EP2319472A2 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).

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20061215



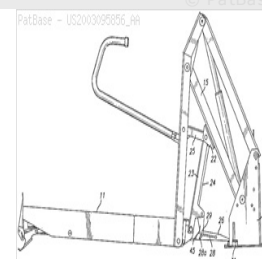
60) Family number: 37222509 (US2003095856A)

WHEELCHAIR LIFT DEVICE

Abstract: Source: US2003095856A A wheelchair lift for supporting a wheelchair bound passenger and for moving the passenger between ground level and an opening in a vehicle. The wheelchair lift includes a platform and pivotal mechanism engaging the platform as well as a bridge plate for assuming a horizontal orientation to enable the passenger to proceed through the vehicle opening and a vertical orientation to act as a roll stop as the platform proceeds between the ground and the vehicle opening. The bridge plate includes a non-linear channel configured within its side which engages a pivotal mechanism which includes an upper parallelogram structure and hydraulic apparatus to move the upper parallelogram structure to move the platform. Also included is a lower parallelogram structure which is in sliding engagement with the upper parallelogram structure during at least a portion of the motion when the platform is moved between the ground and the vehicle opening. The lower parallelogram also is provided with a saddle bolt for sliding engagement with the non-linear channel such that movement of the lower parallelogram acts to raise and lower the bridge plate upon movement of the platform.

Probable Assignee: MAXON LIFT CORP

Earliest Publication Date: 20021008



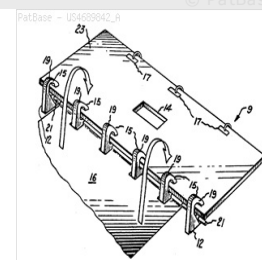
61) Family number: 3859439 (US4689842A)

PATIENT MOTIVATION DEVICE

Abstract: Source: US4689842A Bedridden persons are aided in the use of bed pans and the like by placing the person on a full length platform with an opening so located that the excreted waste falls directly into the bed pan below the platform. The platform is supported above the patient's bed by a series of rigid and resilient supports which work in combination to assist in the placement of the person on the platform.

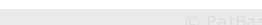
Probable Assignee: TRY SHEET INC

Earliest Publication Date: 19870901



62) Family number: 39602199 (US2010007114A)

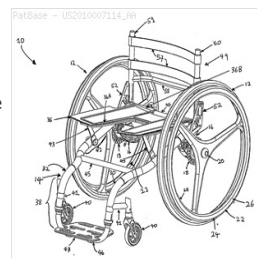
WHEELCHAIR



Abstract: Source: US2010007114A A wheelchair comprises a frame and first and second rear wheels that are each independently mounted to the frame via a respective mounting hub. Each rear wheel is detachably mounted to its respective mounting hub at two or more distinct hub mounting points. Either or both of the hub mounting points can be movable with respect to a remainder of the hub, for example via a pivoting arrangement. A disk can be positioned at the rear wheel and a stop element located at the mounting hub can be selectively operated to interfere with the disk to prevent rotation of that rear wheel. The frame can comprise first and second spaced apart and unitary tubes which each extending in an unbroken manner from a wheelchair seat to a wheelchair forward region.

Probable Assignee: LU PAPI AND ASSOCIATES PTY LTD

Earliest Publication Date: 20071011



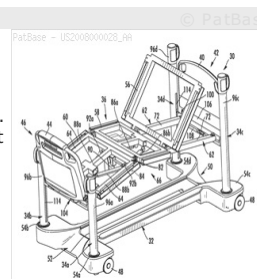
63) Family number: 41017834 (US2008000028A)

PATIENT SUPPORT

Abstract: Source: US2008000028A A patient support apparatus, such as a bed, stretcher, or cot, includes a patient support deck that is directly coupled to elevation adjustment mechanisms without the need for an intervening frame. The elevation adjustment mechanisms may be placed outside the perimeter of the support deck to allow the support deck to be lowered to a greater extent and provide room for attaching side rails to the support deck. The width of the patient support deck may be adjusted by way of extenders, and the sleep surface may also be adjusted by way of foldable strips. A jack type of actuator may be used to pivot the different sections of the support deck with respect to each other. The elevation adjustment mechanisms may include vertical threaded shafts that rotatingly engage threaded collars and raise or lower the collars when the shaft and the collar rotate with respect to each other.

Probable Assignee: STRYKER CORP

Earliest Publication Date: 20080103



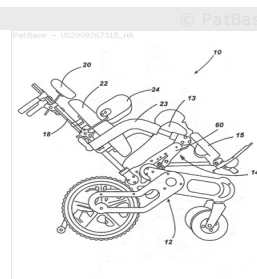
64) Family number: 41968276 (US2009267315A)

SEAT

Abstract: Source: US2009267315A A seat (14), particularly but not exclusively for a wheelchair, comprises a bottom rest (13, 60), a back rest support (18) rotatable relative to the bottom rest about an axis of rotation (100); and a back rest (22) slidably mounted on the back rest support and moveable therealong to vary its position relative to the bottom rest. The back rest is kinematically linked to the bottom rest such that the back rest moves nearer to the axis of rotation as the angle between the back rest support and the bottom rest increases.

Probable Assignee: SPECMAT LTD

Earliest Publication Date: 20091029



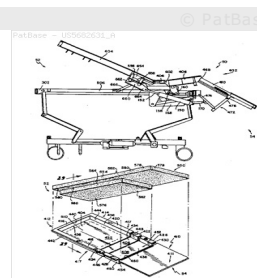
65) Family number: 8769288 (US5682631A)

BED HAVING A REDUCED-SHEAR PIVOT AND STEP DECK COMBINATION

Abstract: Source: US5682631A A bed is provided having a head end, a foot end, and sides. The bed includes a frame and a deck carried by the frame. The deck includes an upper deck portion and a central, longitudinal recess in the upper deck portion. The recess is defined by a lower deck portion and walls connecting the lower and the upper deck portions. The bed also includes a mattress including a planar, upwardly-facing patient surface, side portions resting on the side deck portions, and a central projection extending downwardly into the recess. A first longitudinal deck section is coupled to the deck to pivot about a pivot axis above the lower deck portion between a generally horizontal position and a tilted position.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 19970220



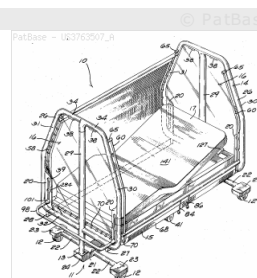
66) Family number: 1108233 (US3763507A)

PEDIATRIC BED

Abstract: Source: US3763507A A bed platform is suspended within a support frame having transparent and removable plastic end walls and plastic mesh sides slidable on a Tambour track between raised and lowered positions. As the sides are raised, they slope inwardly over and above the platform to discourage climbing. The support frame is mounted on a caster supported base having upstanding end posts attached to the frame and adjustable height-wise by a motor driven lift. The platform is supported on the ends of the frame and is adjustable for Trendelenburg and reversed Trendelenburg positioning. Affixed to the platform is a mattress frame which includes adjustable and pivotal portions for Gatch positioning. The mattress is molded with a shell-like configuration to fit over the mattress and support frame and includes living hinges to permit folding into various Gatch positions. It also includes grippers along its underside for positive grip sheet placement.

Probable Assignee: MILLER H INC

Earliest Publication Date: 19731009



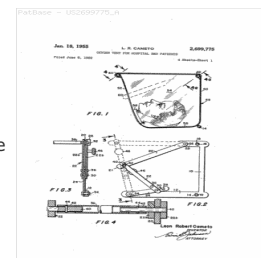
67) Family number: 21709899 (US2699775A)

OXYGEN TENT FOR HOSPITAL BED PATIENTS

Abstract: Source: US2699775A (Claim 1) 1. A tent for administering respiratory treatment to a patient comprising a bag having a bottom and side walls, a back wall, an open top, and a front wall, said front wall having a funnel portion part of which is disposed for extension of the bottom, a tubular portion, said funnel portion terminating in jointure with the tubular portion, a cape portion fixed to the tubular portion, a frame providing a generally rectangular frame for the reception of the bag top therewithin to be surrounded thereby, said bag including means for engaging the frame rim to hold the bag in open condition, said frame further including a rigid portion for fixedly positioning the rim of the back wall of the bag and further including means for causing the front and side walls of the bag to be lowered and elevated with respect to the back wall of the bag.

Probable Assignee: MISTO 2 GEN EQUIPMENT CO

Earliest Publication Date: 19550118



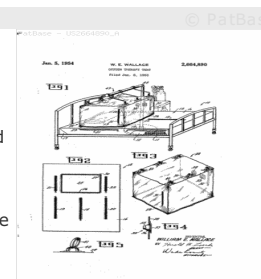
68) Family number: 22005630 (US2664890A)

OXYGEN THERAPY TENT

Abstract: Source: US2664890A (Claim 1) 1. An oxygen therapy tent for use on a bed having a mattress comprising; a cover substantially impervious to air Passage having an opening near one end thereof and being adapted to have the marginal edges thereof tucked under a mattress; and a transparent and impervious to air hood detachably connected to said cover about said opening providing substantially an airtight oxygen tent structure when attached to a bed, said hood having openings therein adapted to be connected to an oxygen air conditioning unit, and at least one closable opening in each the cover and the hood providing access to a patient thereunder without detaching said hood whereby a minimum volume of oxygen is present under said hood and said cover to the marginal edges thereof when said cover and hood are assembled for use on a bed with Oxygen air conditioning equipment.

Probable Assignee: EARLE WALLACE WILLIAM

Earliest Publication Date: 19540105



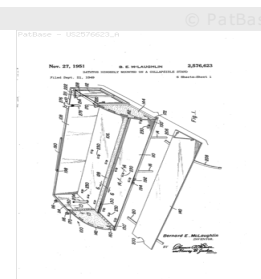
69) Family number: 22404793 (US2576623A)

BATHTUB HINGEDLY MOUNTED ON A COLLAPSIBLE STAND

Abstract: Source: US2576623A (Claim 1) . pulls the tapes and returns the patient to the bed.

Probable Assignee: MCLAUGHLIN BERNARD E

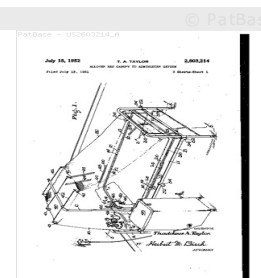
Earliest Publication Date: 19511127



70) Family number: 22656783 (US2603214A)

Abstract: Source: US2603214A (Claim 1) 1. A canopy for administering oxygen, having an oxygen supply opening therein, comprising a sealed base section for covering a mattress, a sealed upper section adapted to be suspended above said base section, and slide fastener means for detachably connecting said upper section to the said base section.

Earliest Publication Date: 19520715



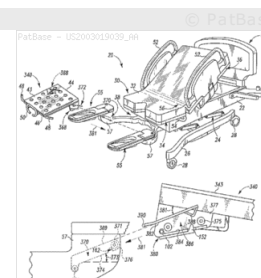
71) Family number: 24110512 (US2003019039A)

BED HAVING A REMOVABLE FOOT SECTION

Abstract: Source: US2003019039A A patient support apparatus including a patient support and a removable section. A locking mechanism includes interactive members supported by the patient support and the removable section for releasably securing the removable section to the patient support.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20020625



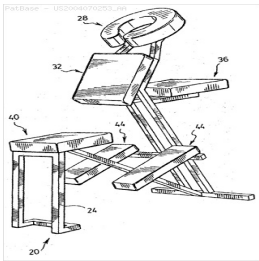
72) Family number: 30309088 (US2004070253A)

SURGICAL CHAIR FOR PERCUTANEOUS SPINAL CATHETER INSERTION

Abstract: Source: US2004070253A A novel method of spinal catheter insertion via seated lumbar puncture using a surgical chair in which the patient is forward-facing is provided. The chair provides a stable, safe platform for patients, and reduces the need for additional personnel to maintain the patient's position. The seated position provides for ergonomically desirable alignment of the spinous processes, aiding in the successful lumbar puncture and spinal catheter insertion.

Probable Assignee: MURPHY KIERAN P

Earliest Publication Date: 20031225



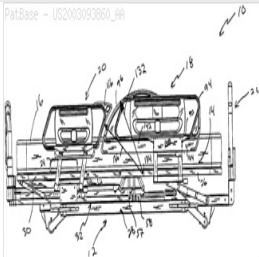
73) Family number: 30732837 (US2003093860A)

APPARATUS AND METHOD FOR CLOSING HOSPITAL BED GAPS

Abstract: Source: US2003093860A A patient support is provided. The patient support includes a frame, a mattress supported by the frame, and a set of siderails configured to block egress of a patient from the patient support. The siderails are configured to reduce gaps defined between the siderails and the other components of the patient support.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20030306



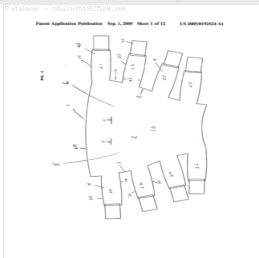
74) Family number: 32201461 (US2005192524A)

LIMB ENCIRCLING THERAPEUTIC COMPRESSION DEVICE

Abstract: Source: US2005192524A A therapeutic compression garment made of flexible, foldable, light weight Velcro-type loop fabric having a central region for wrapping partially around a body part and a plurality of bands integrally connected to the central region and extending outwardly in opposite directions from both sides of the central region to cross each other and encompass the body part.

Probable Assignee: MEDI MFG INC

Earliest Publication Date: 20050901



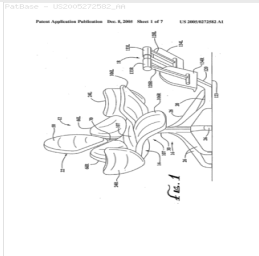
75) Family number: 32477235 (US2005272582A)

POSTURE AND EXERCISE SEATING

Abstract: Source: US2005272582A Seating that provides comfort, facilitates healthful upright posture, has capability for exercise, and facilitates a healthful upright position, comprises a seat having left and right portions for supporting a user's left and right thighs, respectively. A seat support supports the seat. The seat support includes a pivot axis about which the seat left and right portions can pivot downwardly and upwardly relative to the seat support. A foot plate assembly comprises right and left foot support members positioned forwardly and below the seat to allow a user to exercise while seated. A connection structure links the foot plates to the seat so that the seat sections and the foot members have corresponding movement.

Probable Assignee: LEIB ROGER K

Earliest Publication Date: 20051208



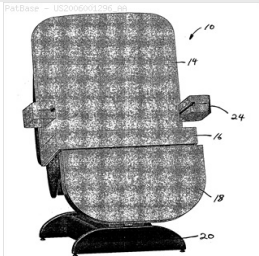
76) Family number: 32533220 (US2006001296A)

ARTICULATING TABLE

Abstract: Source: US2006001296A An articulating table including a back rest section, a seat section, and an articulation mechanism that adjusts the position of at least the back rest section and the seat section to configure the table between the substantially flat table configuration and the chair configuration. The articulating table preferably includes a foot rest section, and at least one hinge that pivotally connects the foot rest section to the seat section so that the foot rest section is pivotable about the hinge.

Probable Assignee: OAKWORKS INC

Earliest Publication Date: 20060105



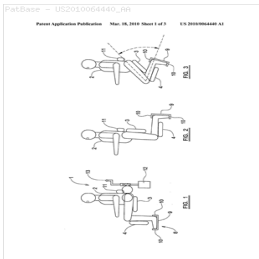
77) Family number: 32804423 (US2010064440A)

DEVICE FOR SUPPORTING A PATIENT

Abstract: Source: US2010064440A A device for supporting a patient, the device comprising first and second support members adapted to support respective first and second parts of a patient's body and being operable to move between a first configuration and a second configuration, wherein when a patient is supported by the device and the device is in the first configuration, the patient is in a first bodily position and is supported by the first support member, with little or none of the patient's weight being supported by the second support member, and when a patient is supported by the device and the device is in the second configuration, the patient is in a second bodily position and is supported by the second support member, with little or none of the patient's weight being supported by the first support member.

Probable Assignee: GLICKMAN SCOTT

Earliest Publication Date: 20070801



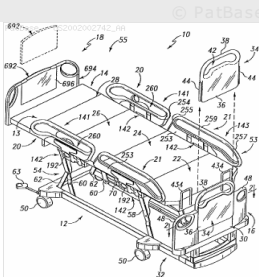
78) Family number: 33496101 (US2002002742A)

FOOT CONTROLS FOR A BED

Abstract: Source: US2002002742A 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.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20020110



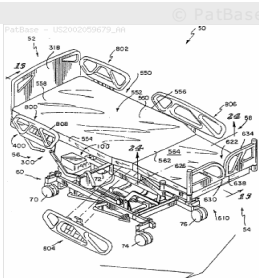
79) Family number: 33496102 (US2002059679A)

HOSPITAL BED

Abstract: Source: US2002059679A 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.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20020523



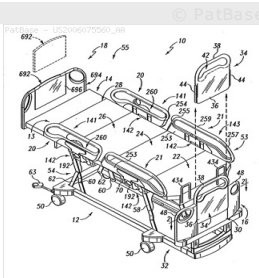
80) Family number: 33496239 (US2006075560A)

FOOT CONTROLS FOR A BED

Abstract: Source: US2006075560A 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.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20060413



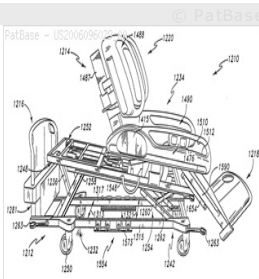
81) Family number: 33496240 (US2006096029A)

HOSPITAL BED

Abstract: Source: US2006096029A 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.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20060511



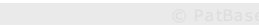
82) Family number: 33496247 (US2006150332A)

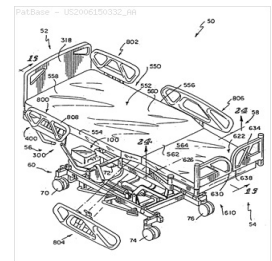
PATIENT CARE BED WITH NETWORK

Abstract: Source: US2006150332A A bed including a frame, a deck, a siderail, a communication network and a graphic caregiver interface module. The graphic caregiver interface module includes an input device, a control circuit, a memory, and a display.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20060713





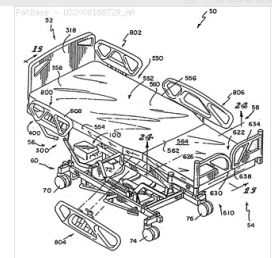
83) Family number: 33496250 (US2006168729A)

HOSPITAL BED AND MATTRESS HAVING EXTENDABLE FOOT SECTION

Abstract: Source: US2006168729A 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;

Probable Assignee: DLUGOS JR DANIEL F

Earliest Publication Date: 20060803



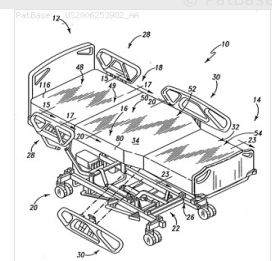
84) Family number: 33688336 (US2006253982A)

BED HAVING ELECTRICAL COMMUNICATION NETWORK

Abstract: Source: US2006253982A A bed, including a bedframe to support a mattress. The bed includes an electrical communication network.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20061116



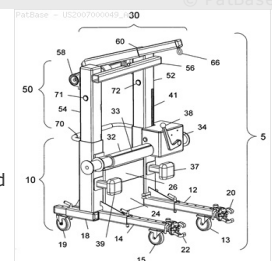
85) Family number: 34068269 (US2007000049A)

APPARATUS FOR PATIENT MOBILITY

Abstract: Source: US2007000049A An apparatus for repositioning bedridden patients with: a base, vertical and horizontal movements, and lifting portion; telescoping legs extending outward from the base with wheels affixed to each leg; detachable clamps affixed to each leg and capable of removeably attaching to a bed; the horizontal movement containing a roller and belts actuated by a gear and crank assembly coupled to the vertical movement portion; the vertical movement having two lifting units with first and second pistons coupled to the inside of each of the units and a hydraulic pump and controller for the actuation of the hydraulic pump and the upward and downward movement of the pistons; the lifting portion comprising a telescoping lifting arm with a lead screw and a crank for extending or retracting said lifting arm and with a lateral movement portion coupled to the top of the vertical movement and the lifting portion.

Probable Assignee: ERGONURSE INC

Earliest Publication Date: 20070104



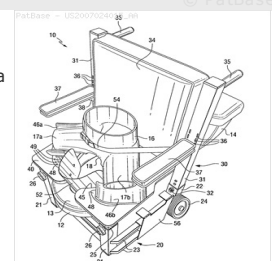
86) Family number: 34171678 (US2007024015A)

SUPPORT CHAIR FOR BODY CAST PATIENTS

Abstract: Source: US2007024015A A support chair for a patient in a body cast, such as a child or toddler wearing a spica cast, is disclosed. The support chair may hold the patient in a generally upright position and the seat may include a cut-out portion positionable over a commode. The chair may include stationary or adjustable leg support stirrups which support a portion of the body cast. The seat, back and/or legs of the support chair may be adjustable in order to change the height or inclination angle of the chair. Optional attachments include removable armrests, bed pan, splash guard and activity tray.

Probable Assignee: BAVERSO PAUL

Earliest Publication Date: 20070201



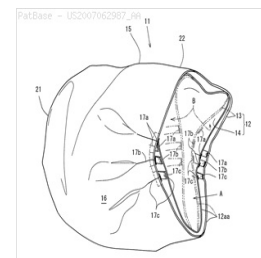
87) Family number: 34325450 (US2007062987A)

BABY CARRIER

Abstract: Source: US2007062987A A baby carrier 1 entirely formed of a sheet member 12 and including a wrapping portion 16 for wrapping a baby/toddler and a shoulder engaging portion 15 engageable with a shoulder of a wearer of the baby carrier. The wrapping portion 16 is expandable. The wrapping portion 16 has an opening B for allowing the baby/toddler to enter or come out from the wrapping portion 16 at a top end thereof, and an opening edge 12 aa of the opening B has expansion restriction means 17 for restricting expansion of the opening edge 12 aa.

Probable Assignee: T REX CO LTD

Earliest Publication Date: 20070322



88) Family number: 41936736 (US2009165207A)

AMBULANCE COT SYSTEM

Abstract: Source: US2009165207A The present invention relates to ambulance cots, cot systems and methods of using the same. In particular, the present invention provides an ambulance cot comprising a hydraulic system and a tip angle monitoring, recording and alert system, and methods of using the same (e.g., to transport subjects and/or to detect and/or record operational data related to cot usage).

Probable Assignee: FERNO WASHINGTON INC

Earliest Publication Date: 20080624



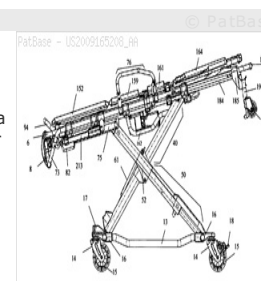
89) Family number: 43473984 (US2009165208A)

AMBULANCE COT SYSTEM

Abstract: Source: US2009165208A The present invention relates to ambulance cots, cot systems and methods of using the same. In particular, the present invention provides an ambulance cot comprising a hydraulic system and a tip angle monitoring, recording and alert system, and methods of using the same (e.g., to transport subjects and/or to detect and/or record operational data related to cot usage).

Probable Assignee: FERNO WASHINGTON INC

Earliest Publication Date: 20090702



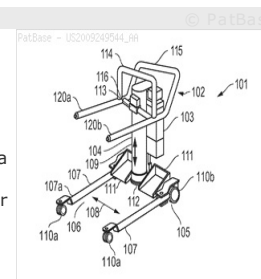
90) Family number: 43812549 (US2009249544A)

MULTI-FUNCTIONAL PATIENT TRANSFER DEVICE

Abstract: Source: US2009249544A One embodiment of the present invention comprises a multi-functional patient transfer device for transferring mobility-impaired patients. In one embodiment, the multi-functional patient transfer device includes a lift cart and one or more lift components. The lift components may attach to the lift cart and/or other lift components. The lift components may include frontal bars, a tabletop, a central arm, lifting forks, a hoist, a knee blocker, footrests, a transfer chair, detachable handles, and/or safety cushions. Embodiments of the present invention may include one or more patient interfaces. The patient interfaces may attach to the lift cart and/or one or more lifting components. The patient interfaces may include slings, chairs, straps, harnesses, and/or transfer sheets. In one embodiment, the patient interfaces may include foldable panels. In one embodiment, the patient interfaces may include a buttock/link support. Example embodiments of methods of the present invention may include frontal transfers, lateral seated transfers, lateral bed transfers, and sit-to-stand transitions.

Probable Assignee: HUNTLEIGH TECHNOLOGY LTD

Earliest Publication Date: 20091008



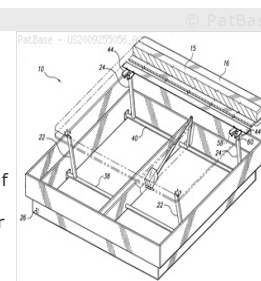
91) Family number: 43836342 (US2009255056A)

BED WITH AUTOMATIC MATTRESS LIFTING SYSTEM

Abstract: Source: US2009255056A The bed with automatic mattress lifting system is a bed with a frame and an internal drive system for raising a mattress above the frame, allowing the user to easily change the sheets or other bed coverings. The mattress rests on a mattress supporting platform, which, in the lowered position, is received within the frame. In operation, driven motion of an internal rod caused by a drive system located within the frame generates rotation in a lever arm. The lever arm is secured to a shaft that extends across the frame, and rotation of the shaft causes a pair of supports to rotate. Upper ends of the supports are joined to a lower surface of the mattress supporting platform, thus driving upward movement of the mattress supporting platform. The sheets cover both the mattress and the platform, allowing the sheets to be changed without having to manually lift the mattress.

Probable Assignee: BURNETT JOHN A

Earliest Publication Date: 20091015



92) Family number: 4387522 (US4453732A)

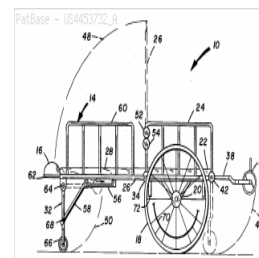
PATIENT TRANSPORT AND CARE VEHICLE

PatBase - US4453732_A6

Abstract: Source: US4453732A The invention is an improved vehicle for the transport and care of patients, particularly incontinent patients. The vehicle combines the facility of a wheel chair and a bed-like transport vehicle, such as a mobile stretcher. The vehicle is particularly useful in providing care for incontinent patients who also are difficult to move when providing the care. The basic vehicle resembles a wheel chair which can be conveniently modified, without first moving the patient, into a bed-like facility. In making the modification the vehicle has a collapsible support device as the back portion of the basic wheel chair is lowered to form the bed-like configuration. The vehicle also serves as a temporary rest facility for wheel chair patients who are difficult to move from the wheel-chair to a normal bed facility. The vehicle thus facilitates one attendant care of a patient.

Probable Assignee: ASSANAH ALBERT A

Earliest Publication Date: 19840612



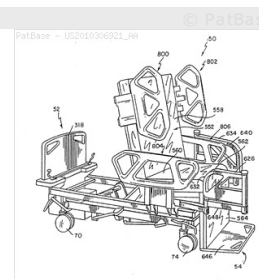
93) Family number: 47807573 (US2010306921A)

HOSPITAL BED

Abstract: Source: US2010306921A 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.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20101209



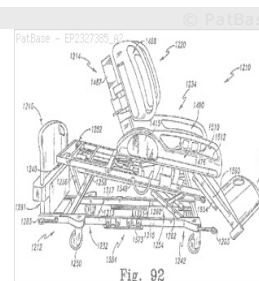
94) Family number: 48966527 (EP2327385A2)

PATIENT SUPPORT WITH BARRIER

Abstract: Source: EP2327385A2 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.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20110601



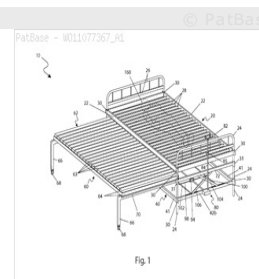
95) Family number: 49151431 (WO11077367A1)

BED WITH LINEN CHANGING MEANS

Abstract: A bed (10) with linen changing means comprises features that allow the mattress linen (120) to be changed and/or occupant's skin in contact with mattress (62) /linen to be aired without requiring an occupant to leave the bed. The bed frame provides a matrix of slats (28) which support the occupant while the mattress is lowered for occupant airing and then extended for linen changing. The mattress comprises a plurality of horizontal mattress sections (63) spaced apart allowing corresponding insertion between the slats until said slats are recessed within the mattress and a user is able to lie comfortably upon raised portions of the mattress. The mattress is supported by a mobile frame apparatus (60) being vertically adjustable via a manually- operated crank (82) and gear assembly (86, 88, 90) such that a caretaker may lower and slide the mattress outward while the bed occupant rests upon the slats, providing easy access to the mattress for purposes of changing bed linens. The mattress is then slid inward and raised back into place to support the occupant.

Probable Assignee: NGUYEN LONG UY VU

Earliest Publication Date: 20110630



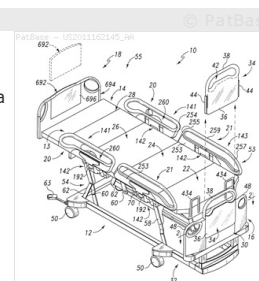
96) Family number: 49157921 (US2011162145A)

HOSPITAL BED FRAME

Abstract: Source: US2011162145A 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.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20110707



97) Family number: 51043535 (US2012102647A)

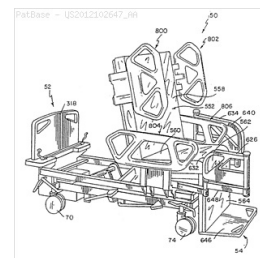
HOSPITAL BED

Abstract: Source: US2012102647A 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.

Probable Assignee: HILL ROM SERVICES INC

Earliest Publication Date: 20120503





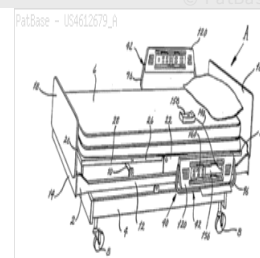
98) Family number: 5109218 (US4612679A)

BED SIDE GUARD ASSEMBLY

Abstract: Source: US4612679A A side guard for a hospital bed moves between elevated and depressed positions on parallel swing arms that are quite short and extend from a base mounted on the back section of the bed. It further has an upper section which pivots outwardly and downwardly to a retracted position to substantially reduce the height of the side guard. When the side guard is in its depressed position with its upper section folded to the retracted position, the side guard lies entirely below the mattress supporting surface of the bed back section and therefore does not interfere with bed making. Also the upper section may carry a bed control unit, or a telephone, or controls for other electrically operated devices, and when in its extended position, these devices are presented inwardly toward the occupant of the bed, but when the upper section is in its retracted position, they are presented outwardly where they are conveniently accessible to one sitting or standing beside the bed. The parallel swing arms have spindles which project into the base where they rotate as the side guard moves between its elevated and depressed positions, and those spindles carry crank arms that are connected by a tie bar. A latch bolt lies in the path of the tie bar to hold the side guard in its elevated position. Moreover, the tie bar, by coming against one or the other of the spindles, prevents the side guard from going past its elevated or depressed positions.

Probable Assignee: AMEDCO HEALTH CARE INC

Earliest Publication Date: 19860923



99) Family number: 5177617 (GB2088296A)

VEHICLE SEATS

Abstract: Source: GB2088296A A vehicle seat 12, particularly for use by the physically handicapped, is mounted for pivotal movement about a first vertical axis 20 on an arm 22 which is secured to a vertical support member 24 which in turn is pivotally coupled to the upper and lower door pillar anchorages by bearings 26 and 30. The seat can be swung on its arm 22 from a position of normal use to a position outside the door opening. A guide track 36 secured to the floor of the vehicle is engaged by a traveller on a second arm 32 so as to ensure that the seat faces inwardly as it moves through the door opening. An adjustable foot-rest may be provided on the seat. The arrangement allows a handicapped person to transfer easily between his wheelchair and seat 12.

Probable Assignee: BSG INT LTD

Earliest Publication Date: 19820609

