

Search history

Search 1: neurosurgery and apparatus (Results 249)
Search 2: guide (Results 1000000)
Search 3: 1 and 2 (Results 31)

1) Family number: 23046059 (US3508552A)

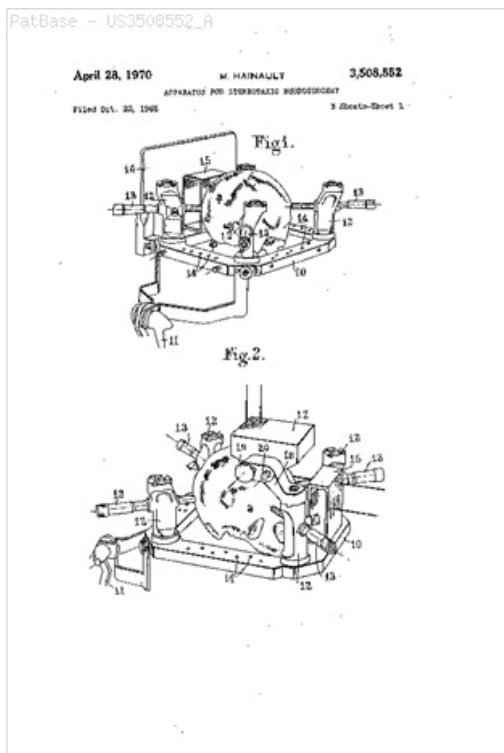
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Title: APPARATUS FOR STEREOTAXIC NEUROSURGERY

Abstract: Source: US3508552A (Claim 1) 1. An apparatus for treating at least one point of the brain by means of the end of at least one surgical drift, which comprises a rectangular frame, supports carried by said frame at each corner, bone clamping rods extending from each support for securing the frame to the patient's skull, first and second locating double grids each comprising two opposite parallel surfaces formed with circular openings defining parallel rectilinear passages disposed in a regular square pattern, said first and second locating double grids being removably secured respectively to a first side and to a second side perpendicular to said first side, with the rectilinear passages of each double grid extending at right angles to the relevant frame side and disposed to form two series of aligned passages lying in planes parallel to the frame plane, a selected passage of each one of said two locating grids leading to a point of the brain which is to be operated upon, which has previously been located by as X-ray method, an arm mounted on one of said supports extending over the frame, a guide double grid of the same construction as said locating double grids, means pivotally mounting said guide double grid on said arm for rotation about an axis parallel to said frame, and means for locking said guide double grid in a desired position of angular adjustment.

Classifications:

International (IPC 8-9): A61B19/00 A61B6/00
A61B6/02 (Advanced/Invention);
A61B19/00 A61B6/00 A61B6/02 (Core/Invention)
International (IPC 1-7): A61B19/00 A61M19/00
CPC: A61B90/11 A61B6/501 A61B6/022
European: A61B19/20B A61B6/02B A61B6/50B
US: 128/303 33/512 378/162 606/130



Family:

Publication number	Publication date	Application number	Application date
FR1311384 A	19621207	FR19610877233	19611027
US3508552 A	19700428	US19650503678	19651023

Priority:

FR19610877233 19611027

Probable Assignee: ALEXANDRE AND CIE
Assignee(s): (std): ALEXANDRE AND CIE
Assignee(s): ALEXANDRE AND COMP ; ALEXANDRE AND COMPAGNIE
Inventor(s): (std): HAINAULT MARCEL
Inventor(s): MARCEL HAINAULT

2) Family number: 9384588 (SU1377080A)

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Abstract: Source: SU1377080A Apparatus for neurosurgery. The purpose of the invention - the simultaneous introduction into the brain of several tools for different paths m Unit g. contain preservatives 1 head phantom and basal 3 rings with coordinate scales. On your ring 4 that serves rotator 5 to 6 carriages to 7 working tool. Semiarc In 8 there are circular guide grooves 10 for moving the carriages 6. 6 are mounted on the carriage 14 slides, which accommodated movably calipers 15 16 Departure limiters working tools 7. Side and lower cassette holder mounted on the basal ring 3 is rigidly secured to the rack I. Phantom ring rigidly mounted on a stand, on this ring feature magnetic signs. The device allows to perform operations also scheynom spine and spinal cord. 3 ill. (C (from about 00 A

International (IPC 8-9): A61B19/00 (Advanced/Invention);
A61B19/00 (Core/Invention)

International (IPC 1-7): A61B19/00



Publication number	Publication date	Application number	Application date
SU1377080 A1	19880228	SU19853999501	19850926

SU19853999501 19850926

Probable Assignee: PSIKHIATRICHESKAYA KLINICHESKAYA

Assignee(s): (std): KISHINEV POLYTECHNIC INST NAMED AFTER S LAZO ; KISHINEVSK POLT INST ; PSIKHIATRICHESKAYA KLINICHESKA

Assignee(s): PSIKHIATRICHESKAYA KLINICHESKAYA BOLNITSA MINISTER ; PSIKHIATRICHESKAYA KLINICHESKAYA BOLNITSA MINISTERSTVA ZDRAVOOKHRANENIYA MSSR ; KISHINEVSKIJ POLT I IM S LAZO

Inventor(s): (std): BESHLYAGA PAVEL V ; DYAKONOV ALEKSANDR N ; GARMASHOV YURIJ A ; GERMAN DEOMID G ; IOVA ALEKSANDR S ; MATKOVSKI VALERIJ S ; MUDRYAK VIKTOR I ; SAKARE KORNELIU M ; ZEMSKAYA ALEKSANDRA G ; ZINYAK MIKHAIL YA

Inventor(s): ZINYAK MIKHAIL YA SU ; ZEMSKAYA ALEKSANDRA G SU ; SAKARE KORNELIU M SU ; MUDRYAK VIKTOR I SU ; MATKOVSKIJ VALERIJ S SU ; IOVA ALEKSANDR S SU ; GERMAN DEOMID G SU ; GARMASHOV YURIJ A SU ; DYAKONOV ALEKSANDR N SU ; BESHLYAGA PAVEL V SU

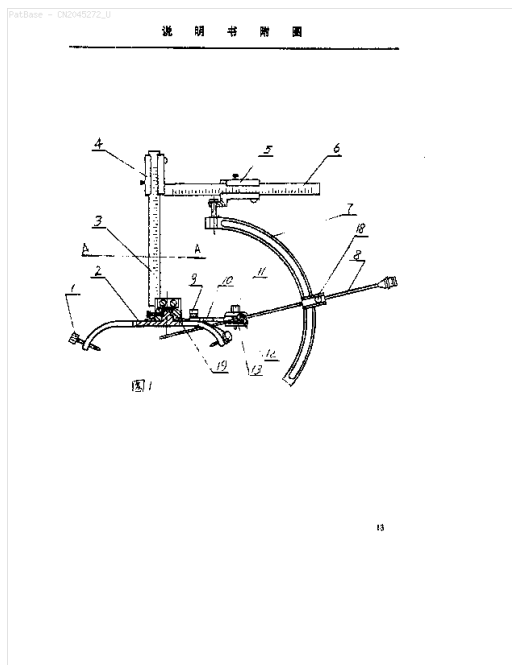
3) Family number: 17258679 (CN2045272U)

Title: CT GUIDE BRAIN STEREO-ORIENTATION APPARATUS FOR SKULL PORE-DRILLING

Abstract: Source: CN20452720 The utility model belongs to a medical instrument, in particular to a CT guide brain stereo-orientation apparatus for skull pore-drilling, which comprises a fixing bed frame, a rotary guide tool and a skull guiders. The fine hole drilling technique can be applied on skull by using the CT guide brain stereo-orientation apparatus for skull pore-drilling, which makes the scalp be drilled without knife edge, the pain of the sick is reduced, the operative procedure is simplified, and the operation time is shortened. Further more, the CT guide brain stereo-orientation apparatus for skull pore-drilling has the advantages of simple structure and convenient operation, which can be used for the clinical diagnosis and the therapy of the pathological changes of the pars encephalica in neurosurgery.

International (IPC 8-9): A61B19/00 A61B90/11 (Advanced/Invention):

International (IPC 1-7): A61B19/00



13

Family:

Publication number	Publication date	Application number	Application date
CN2045272 U	19891004	CN19882016230U	19881022

Priority:

CN19882016230U 19881022

Probable Assignee: SHANDONG HOSPITAL

Assignee(s): (std): SHANDONG HOSPITAL

Assignee(s): HOSPITAL ATTACHED TO SHANDONG MEDICAL UNIV

Inventor(s): (std): LI GUOLI ; LI XINGANG ; ZHANG CHENG ; XINGANG LI ; GUOLI LI ; CHENG ZHANG

4) Family number: 9590830 (SU1544367A)

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Title: DEVICE FOR STEREOTAXIC INTRODUCTION OF ELECTRODES INTO BRAIN

Abstract: Source: SU1544367A Device to neurosurgery and stereotactic administration intended to electrodes in the brain. The purpose of the invention - improving usability devices and simplify its structure. The device comprises a set-mounted in the guide 1 2 stereotaxic apparatus holder attached thereto guide beam 3 and 4 electrodes fixed wedge 5. The beam and the auxiliary electrodes are arranged along the thread axis of the guide 3 on opposite sides thereof and installed in the capsule 9 of the protective film material. The guide 3 is provided with auxiliary cutting members 12 for cutting the capsule when detachably. 2 z.p.f formula, 7 ill.

Classifications:

International (IPC 8-9): A61B19/00 A61B5/04 (Advanced/Invention);

A61B19/00 A61B5/04 (Core/Invention)

International (IPC 1-7): A61B19/00 A61B5/04



Family:

Publication number	Publication date	Application number	Application date
SU1544367 A1	19900223	SU19874310519	19870928

Priority:

SU19874310519 19870928

Probable Assignee: OMSKIJ POLT INST

Assignee(s): (std): OMSKIJ G MED I ; OMSKIJ POLT INST ; TOMSK POLYTECHNIC INST

Assignee(s): OMSKIJ POLT INSTITUT ; OMSKIJ G MED I IM M I KALININA

Inventor(s): (std): GENNE RAJNGOLD I ; MAKEEV SERGEJ A

Inventor(s): MAKEEV SERGEJ A SU ; GENNE RAJNGOLD I SU

5) Family number: 9735748 (SU1641269A)

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Title: ELECTRODE DEVICE

Abstract: Source: SU1641269A Invention relates to medical engineering and is intended for neurosurgery may be used for administration-ray stereotactic brain. The purpose of the invention - reducing operation time and simplifying the design of the device. The apparatus comprises a holder 2 and a beam nepravitel electrodes formed in a uniformly distributed set of ca ti-ruzhno 2 relative to the axis of the guide wire (F) 3. Working ends P 3 are interconnected plastic capsule 4 having a cylindrical recess in which a cylindrical gap with the end of the guide 2, the diameter of which is commensurate with the diameter of P 3. The device is provided with an additional rubber ring 6, fixing P on nevoodimoy part of the guide 2. After entering the device to the brain is cut the rubber ring used, releasing electrodes. 1 z.p.f formula, 6 yl. next with about a 4-th About th

Classifications:

International (IPC 8-9): A61B5/04 (Advanced/Invention);

A61B5/04 (Core/Invention)

International (IPC 1-7): A61B5/04



Family:

Publication number	Publication date	Application number	Application date
SU1641269 A1	19910415	SU19884377438	19880216

Priority:

SU19884377438 19880216

Probable Assignee: OMSKIJ POLT INST

Assignee(s): (std): OMSKIJ G MED I ; OMSKIJ POLT INST ; TOMSK POLYTECHNIC INST

Assignee(s): OMSKIJ POLT INSTITUT ; OMSKIJ G MED I IM M I KALININA

Inventor(s): (std): AISTOV IGOR P ; GENNE RAJNGOLD I ; KHAUSTOV EVGENIJ M ; MAKEEV SERGEJ A ; SAVCHENKO ANDREJ YU

Inventor(s): SAVCHENKO ANDREJ YU SU ; MAKEEV SERGEJ A SU ; KHAUSTOV EVGENIJ M SU ; GENNE RAJNGOLD I SU ; AISTOV IGOR P SU

6) Family number: 9822603 (SU1680105A)

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Title: METHOD AND DEVICE FOR OSTEOPLASTIC CRANIAL TREPANATION

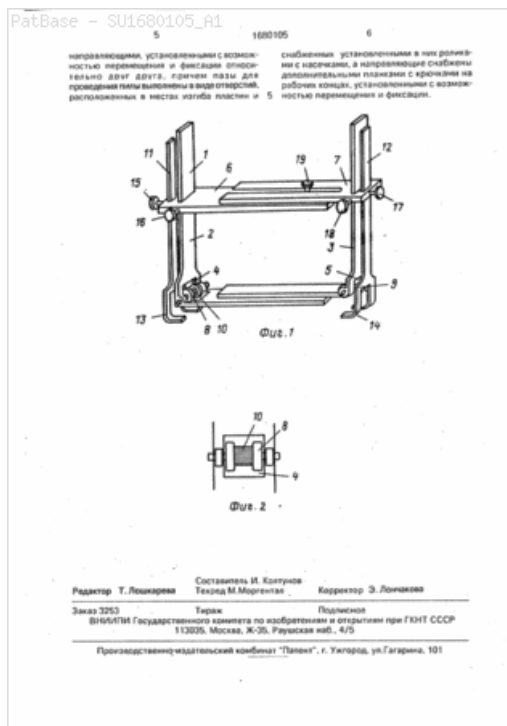
Abstract: Source: SU1680105A Invention relates to medicine, namely to neurosurgery. The purpose of the invention - reducing postoperative complications and trauma. Process is carried out medially offset the temporalis muscle, and lock the device, sawing-eat bone flap at the base, followed by diverting the soft tissue on the leg. The apparatus comprises the elements 2, 3 made in the form of curved plates with grooves 4, 5 are defined at 8.9 knurled rollers 10 and the guide 6 and 7 with additional hook strips 11.12 13. 14. By means of hooks 13, 14 and elements 2, 3 is fixed in the opening device. Through the grooves 4, 5, and rollers 8, 9 is carried a wire saw and cut the bone is carried out. 2 yl. JV with

Classifications:

International (IPC 8-9): A61B17/02 A61B17/14 (Advanced/Invention);

A61B17/02 A61B17/14 (Core/Invention)

International (IPC 1-7): A61B17/02 A61B17/14



Family:

Publication number	Publication date	Application number	Application date
SU1680105 A1	19910930	SU19884629092	19881230

Priority:

SU19884629092 19881230

Probable Assignee: KZ V KURGANSKOGO NAUCHNOGO TSE

Assignee(s): (std): KZ GI USOVERSHENSTVOVANIYA VRA ; KZ V KURGANSKOGO NAUCHNOGO TSE

Assignee(s): KZ V KURGANSKOGO NAUCHNOGO TSENTRA VOSSTANOVITELNAYA TRAVMATOLOGIYA ORTOPEDIYA ; KZ V KURGANSKOGO NAUCHNOGO TSENTRA VOSSTANOVITELNAYA TRAVMATOLOGIYA ORTOPEDIYA ; KZ GI USOVERSHENSTVOVANIYA VRACHEJ IM V I LENINA

Inventor(s): (std): ELYANYUSHKIN IGOR V ; GIMMELFARB ARKADIJ L ; IBATULLIN MURAD M ; PADIRYAKOV VIKTOR N ; TIMERSHIN KAMIL I ; VALEEV ELGIZAR K

Inventor(s): VALEEV ELGIZAR K SU ; TIMERSHIN KAMIL I SU ; PADIRYAKOV VIKTOR N SU ; IBATULLIN MURAD M SU ; GIMMELFARB ARKADIJ L SU ; ELYANYUSHKIN IGOR V SU

7) Family number: 20171427 (US2002035321A)

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Title: SURGICAL NAVIGATION SYSTEMS INCLUDING REFERENCE AND LOCALIZATION FRAMES

Abstract: Source: US2002035321A A system for use during a medical or surgical procedure on a body. The system generates an image representing the position of one or more body elements during the procedure using scans generated by a scanner prior or during the procedure. The image data set has reference points for each of the body elements, the reference points of a particular body element having a fixed spatial relation to the particular body element. The system includes an apparatus for identifying, during the procedure, the relative position of each of the reference points of each of the body elements to be displayed. The system also includes a processor for modifying the image data set according to the identified relative position of each of the reference points during the procedure, as identified by the identifying apparatus, said processor generating a displaced image data set representing the position of the body elements during the procedure. The system also includes a display utilizing the displaced image data set generated by the processor, illustrating the relative position of the body elements during the procedure. Methods relating to the system are also disclosed. Also disclosed are devices for use with a surgical navigation system having a sensor array which is in communication with the device to identify its position. The device may be a reference frame for attachment of a body part of the patient, such as a cranial reference arc frame for attachment to the head or a spine reference arc frame for attachment to the spine. The device may also be a localization frame for positioning an instrument relative to a body part, such as a localization biopsy guide frame for positioning a biopsy needle, a localization drill guide assembly for positioning a drill bit, a localization drill yoke assembly for positioning a drill, or a ventriculostomy probe for positioning a catheter.

Classifications:

International (IPC 8-9): A61B10/00 A61B17/00 A61B17/17

A61B17/34 A61B17/88 A61B19/00 A61B5/00 A61B5/05 A61B5/055

A61B5/06 A61B5/103 A61B5/107 A61B6/00 A61B6/02 A61B6/03

A61B6/08 A61B6/12 A61B8/00 A61B8/08 A61B8/13 A61B8/14

G01B11/00 G01B11/26 G01S5/00 G01S5/16 G01S5/30

G06T1/00 (Advanced/Invention);

A61B10/00 A61B17/00 A61B17/17 A61B5/00 A61B5/05 A61B5/055

A61B5/06 A61B5/107 A61B6/00 A61B6/03 A61B8/14 G01B11/00 G01B11/26 G06T1/00 (Advanced/Non-invention);

A61B10/00 A61B17/34 A61B17/88 A61B19/00 A61B5/00 A61B5/05 A61B5/055 A61B5/06 A61B5/103 A61B5/107 A61B6/00

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G06T1/00 (Core/Invention);

A61B17/00 A61B17/16 A61B5/055 (Core/Non-invention);

G01C G01S G02B G08G (Subclass/Invention)

International (IPC 1-7): A61B10/00 A61B17/00 A61B19/00 A61B5/00 A61B5/05 A61B5/055 A61B5/06 A61B5/103 A61B6/00

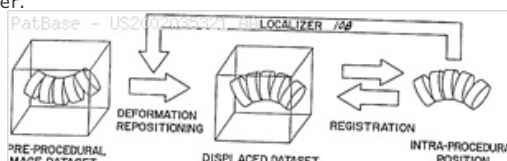
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G01C3/08 G06T15/00 G06T15/00 G06T7/00 G06T7/00

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Family:

Publication number	Publication date	Application number	Application date
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Priority:

EP19910919611	19911017	EP19940915394	19940422	EP19950937379	19951005
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Inventor(s): FOLEY KEVIN ; BUCHOLZ RICHARD ; SMITH

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Designated states: POWERS LLP
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8) Family number: 11230490 (US5807254A)

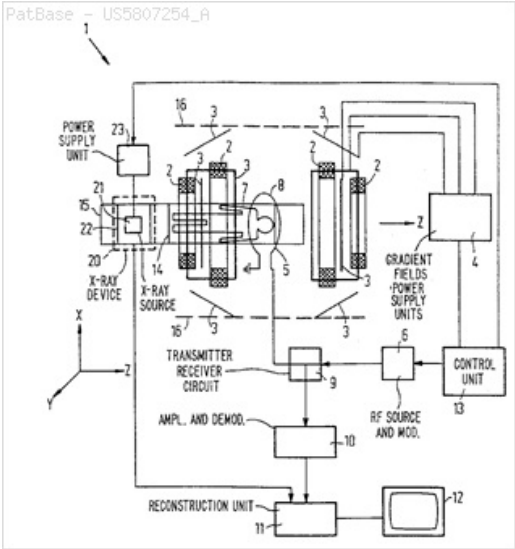
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Title: MAGNETIC RESONANCE DEVICE

Abstract: Source: US5807254A A magnetic resonance device (1) for imaging inter alia human organs by way of magnetic resonance is provided in close proximity with an x-ray imaging device (20). When, for example, in neurosurgery interventional techniques are executed in combination with a magnetic resonance device (1), the organs are suitably visualized but the instruments guided to an organ via an opening in the body are not visible or only hardly so. Prior to the present invention, in order to carry out interventional procedures, the patient would be transported between a room housing magnetic resonance device and a room housing on x-ray device. Transporting the patient over a long distance between two rooms is objectional because of the risk of motion of the instruments lodged within the body of the patient; as such motion could be fatal to the patient. A solution consists in arranging an X-ray device (20) adjacent the MR device (1), so that the patient need be transported a short distance only. Undesirable mutual influencing of the MR device (1) and the X-ray device (20) is counteracted by shielding the static magnetic field of the MR device and the electromagnetic fields generated by the X-ray device.

Classifications:

International (IPC 8-9): A61B5/055 A61B6/03 A61B6/10 A61B6/12 G01R33/28 (Advanced/Invention)
International (IPC 1-7): A61B5/055 A61B6/03 A61B6/12 G01R33/28
CPC: G01R33/4812 A61B6/4417 A61B5/055 A61B6/107 A61B5/0035 A61B5/0046
European: A61B5/055 A61B6/10D G01R33/28
US: 378/63 600/411



Family:

Publication number	Publication date	Application number	Application date
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JP3703491 B2	20051005	JP19960516698T	19951020
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US5807254 A	19980915	US19950558063	19951113
WO9615717 A1	19960530	WO19951B00894	19951020

Priority:

EP19940203415 19941124 EP19950933570 19951020 WO19951B00894 19951020

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

9) Family number: 54390322 (RU93038823A)

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Title: SIGHTING DEVICE FOR PUNCTURE brain ventricles (Machine translation)

Abstract: Source: RU93038823A Invention relates to neurosurgery and can be used for evaluation and treatment of patients with diseases and injuries of the brain. The invention is directed to a device that provides increased accuracy Spot puncture brain ventricles as a typical projection and the displacement of the ventricles. The apparatus has the shape of a tripod with the catheter guide tube. At the base of each of the legs is a needle for rigid fixation to the skin or bones of the skull. The guide catheter tube has a graduated scale and the direction of the tube is changed due to the mobility of the three tripod legs in a screw connection.

Classifications:

International (IPC 8-9): A61B17/34 A61B19/00 A61M25/01 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
RU93038823 A	19960610	RU19930038823	19930730

Title: TRACTION GUIDE TIP OF APPARATUS FOR ELONGATING LENGTH OF DAMAGED NERVE

Abstract: Source: RU2078543C

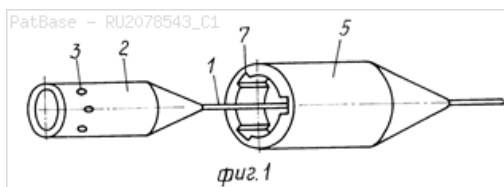
FIELD: traumatology, neurosurgery. **SUBSTANCE:** proposed tip is made in form of fixation sleeve 2 attached to traction guide 1. Sleeve 2 accommodates hollow cone, cavity adapted to receive nerve and through-going side openings 3 adapted to receive ligature. Sleeve 2 further comprises cylinder conjugated with cone, removable coating-applying element 5 having internal positioner for ligature knots, and guide channel 4 adapted to direct traction guide 1. Sleeve 2 and coating-applying element 5 are made of biologically inert material, while nerve-receiving cavity and ligature-guiding through-going side openings 3 are formed in cylinder. Traction guide 1 can be also attached to cone vertex of fixation sleeve 2. Through-going side openings 3 adapted to guide ligature can be arranged in row and spaced apart at equal distances from one another and from cylindrical axial end. Removable coating-applying element 5 can be attached for rotation and longitudinal movement to traction guide 1 accommodated in guide channel 4 formed in cone vertex of coating-applying element 5 with diameter equal to diameter of traction guide 1. Coating-applying element 5 can have smooth outer surface. Internal positioner for ligature knots can be formed as circular groove 6 arranged at distance from cylindrical axial end of coating-applying element 5 equal to distance from cylindrical axial end of fixation sleeve 2 up to ligature-guiding through-going side openings 3. Circular groove 6 can be communicated with axial end with help of equidistantly spaced, through-going longitudinal recesses, number of which is equal to half of number of ligature-guiding side openings 3. Invention can be used to remedy defects of nerve trunks. **EFFECT:** lower resistance of surrounding tissues to movement of traction guide tip; prevention of complications due to formation of commissures and cicatrization. 5 cl, 3 dwg

Classifications:

International (IPC 8-9): A61B17/03 A61B17/56 (Advanced/Invention);

A61B17/03 (Core/Invention)

International (IPC 1-7): A61B17/03



Family:

Publication number	Publication date	Application number	Application date
RU2078543 C1	19970510	RU19940042086	19941124
RU94042086 A	19961020	RU19940042086	19941124
RU94042086 A1	19961020	RU19940042086	19941124

Priority:

RU19940042086 19941124

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Assignee(s): ROSSIJSKIY NAUCHNYJ TSENTR "VOSSTANOVITEL'NAJA TRAVMATOLOGIJA I ORTOPEDIJA" IM.AKAD.ILIZAROVA ; ROSSIJSKIY NAUCHNYJ TSENTR VOSSTANOVITEL NAJA TRAVMATOLOGIJA I ORTOPEDIJA IM AKAD G A ILIZAROVA ; ROSSIJSKIY NAUCHNYJ TSENTR VOSSTANOVITEL NAJA TRAVMATOLOGIJA I ORTOPEDIJA IMAKADGAILIZAROVA ; ROSSIJSKIY NAUCHNYJ TSENTR VOSSTANOVITELNAYA TRAVM ; ROSSIJSKIY NAUCHNYJ TSENTR VOSSTANOVITELNAYA TRAVMATOLOGIYA I ORTOPEDIYA IM AKAD ILIZAROVA

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11) Family number: 29111615 (US2002026221A)

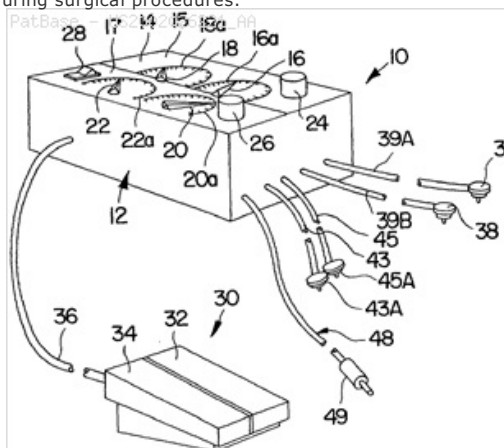
Title: METHOD AND DEVICE FOR ELECTRONICALLY CONTROLLING THE BEATING OF A HEART

Abstract: Source: US2002026221A An electro-stimulation device includes a pair of electrodes for connection to at least one location in the body that affects or regulates the heartbeat. The electro-stimulation device both electrically arrests the heartbeat and stimulates the heartbeat. A pair of electrodes are provided for connection to at least one location in the body that affects or regulates the heartbeat. The pair of electrodes may be connected to an intravenous catheter for transvenous stimulation of the appropriate nerve. A first switch is connected between a power supply and the electrodes for selectively supplying current from the power supply to the electrodes to augment any natural stimuli to the heart and thereby stop the heart from beating. A second switch is connected between the power supply and the electrodes for selectively supplying current from the power supply to the electrodes to provide an artificial stimulus to initiate heartbeating. In another aspect, the invention is directed to a method for arresting the beat of a heart in a living body comprising the steps of connecting the pair of electrodes to at least one location in the body that affects or regulates the heartbeat and supplying an electrical current to the electrodes of sufficient amplitude and duration to arrest the heartbeat. The device may also serve to still the lungs by input to a respirator or by stimulation of the phrenic nerve during surgical procedures.

Classifications:

International (IPC 8-9): A61B1/267 A61B17/00 A61B17/14 A61B17/22 A61B17/32 A61B17/34 A61F11/00 A61F2/01 A61F2/06 A61F2/24 A61F2/82 A61M25/00 A61M29/00 A61M5/00 A61N1/00 A61N1/05 A61N1/36 A61N1/362 A61N1/365 A61N1/372 A61N1/38 A61N1/39 G06F17/60 G06Q20/00 G06Q20/38 G06Q20/40 G06Q30/00 G06Q30/02 G06Q30/06 G06Q40/00 (Advanced/Invention); A61B17/00 A61B17/02 A61B17/12 A61B17/22 A61F2/01 A61F2/24 A61M5/142 A61N1/05 A61N1/368 A61N1/38 A61N1/39 G06Q20/08 G06Q20/10 G06Q20/20 (Advanced/Non-invention); A61B17/00 A61B17/32 A61F2/24 A61M25/00 A61M5/00 A61N1/05 A61N1/36 A61N1/362 A61N1/365 A61N1/38 A61N1/39 G06Q20/00 G06Q30/00 G06Q40/00 (Core/Invention); A61F2/01 A61N1/38 A61N1/39 (Core/Non-invention); A61B A61F (Subclass/Invention)

International (IPC 1-7): A61B A61B17/00 A61B17/32 A61B19/00 A61B19/08 A61F2/06 A61F2/24 A61M29/00 A61M31/00 A61M5/00 A61M5/32 A61N1/00 A61N1/05 A61N1/18 A61N1/36 A61N1/362 A61N1/365 A61N1/39 **CPC:** A61B17/1604 A61B17/1608 A61B17/32075 A61B2017/22034 A61B2017/2937 A61N1/36007 A61N1/3601 A61N1/36017 A61N1/3962 A61N1/37288 Y10S623/902 A61N1/3956 A61F2002/018 A61M5/14276 A61N1/0517 A61N1/0519 A61N1/36014 A61B2017/00349 A61F2230/0006 A61F2230/005 A61B10/06 A61B17/32002 A61B17/32053 A61B2017/00685 A61B2017/00783 A61B2017/22097 A61B17/3417 A61B2017/00969



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Probable Assignee: MEDTRONIC INC

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Inventor(s):	HILL MICHAEL RS ; HILL MICHAEL RS ; RK MOORE ; COHN WILLIAM ; THE DESIGNATION OF THE INVENTOR HAS NOT YET... ; GH LAMBRECHT ; J LIDDICOAT ; LAMBRECHT GREGORY H LIDDICOAT JOHN MOORE ROBERT KE ; TAYLOR DANIEL ; STREETER RICHARD ; WOOLFSON STEVEN ; TAYLOR DANIEL C BRIGHTON ; SHAFER LISA ; SINES RANDY ; R K MOORE ; LAMBRECHT GREGORY H NATICK ; JONKMAN KENNETH ; GREGORY RANDY ; G H LAMBRECHT ; DAVENPORT TODD F ANDOVER ; DAVENPORT TODD ; COHN WILLIAM E CHESTNUT HILL ; BONNER MATTHEW
Agent(s):	PHILLIPS ORMONDE FITZPATRICK; MACRAE AND CO; ENGELHARDT AND ENGELHARDT PATENTANWALTE; DRAUDT AXEL HERMANN CHRISTIAN; HUGHES ANDREA MICHELLE; ENGELHARDT VOLKER; S HOROWITZ AND CO; MASUI CHUJI; SHAMOTO ICHIO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; CHIBA AKIO; MARK J PANDISCIO PANDISCIO AND PANDISCIO; PANDISCIO AND PANDISCIO; JEFFREY HOHENSHELL MEDTRONIC INC; JEFFREY J HOHENSHELL MEDTRONIC INC; GREGORY IP LAW; KAGAN BINDER PLLC; JAMES R KEOGH MEDTRONIC INC; INGRASSIA FISHER AND

LORENZ PC; MEDTRONIC INC; GREGORY IPL PC; MEDTRONIC CARDIOVASCULAR; BERRY THOMAS G; HOHENSHELL JEFFREY J; THOMAS G; JEFFREY J; BERRY TOM; TOM; RANDY A; MICHAEL BEST AND FRIEDRICH LLP; JARO MIKE; MIKE; STEPHEN W; REED A; DICKE BILLIG AND CZAJA PLLC; DANIEL W
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

12) Family number: 10808244 (US5752515A)

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Title: METHODS AND APPARATUS FOR IMAGE-GUIDED ULTRASOUND DELIVERY OF COMPOUNDS THROUGH THE BLOOD-BRAIN BARRIER

Abstract: Source: US5752515A Image-guide methods and apparatus for ultrasound delivery of compounds through the blood-brain barrier to selected locations in the brain target a selected location in the brain and applying ultrasound to effect in the tissues and/or fluids at that location a change detectable by imaging. At least a portion of the brain in the vicinity of the selected location is imaged, e.g., via magnetic resonance imaging, to confirm the location of that change. A compound, e.g., a neuropharmaceutical, in the patient's bloodstream is delivered to the confirmed location by applying ultrasound to effect opening of the blood-brain barrier at that location and, thereby, to induce uptake of the compound there.

Classifications:

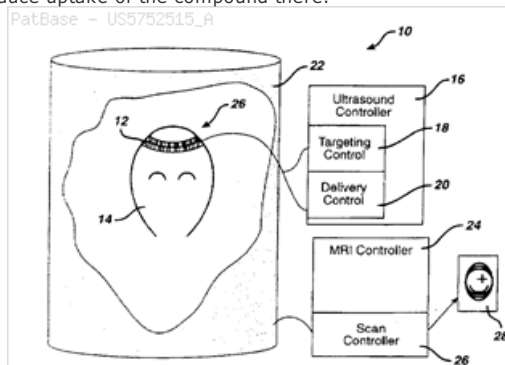
International (IPC 8-9): A61B17/22 A61B19/00 A61B5/055
A61B8/00 A61B8/08 A61N7/00 (Advanced/Invention);
A61B17/22 A61B19/00 A61B8/00 A61B8/08 (Advanced/Non-invention);
A61B17/22 A61B5/055 A61N7/00 (Core/Invention);
A61B17/22 A61B19/00 A61B8/00 A61B8/08 (Core/Non-invention)

International (IPC 1-7): A61B17/00 A61B5/00

CPC: A61N2007/027 A61B8/0808 A61M37/0092 A61B5/055
A61B8/08 A61B8/481 A61B2017/22008 A61B2017/22028 A61N7/00
A61B17/22004 A61N2007/0095 A61B2090/374 A61B2090/376

European: A61B17/22B A61B5/055 A61M37/00U A61N7/00
K61B17/22B1C2 K61B17/22B7B K61B19/52H10 K61B19/52H8
K61B8/08 K61B8/48B K61N7/00T4

US: 128/653.1 128/653.2 128/653.4 128/654 128/660.01 600/411
600/437 600/458 604/22



Family:

Publication number	Publication date	Application number	Application date
AU199741557 A1	19980306	AU19970041557	19970821
AU199742333 A1	19980306	AU19970042333	19970821
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Priority:

US19960034084P 19961223 US19960711289 19960821 WO1997US14737 19970821
WO1997US14760 19970821 US19970045453P 19970501

Probable Assignee: BRIGHAM AND WOMEN S HOSPITAL

Assignee(s): (std): BRIGHAM AND WOMENS HOSPITAL ; HYNYNEN KULLERVO

Assignee(s): BRIGHAM AND WOMEN S HOSPITAL ; BRIGHAM AND WOMEN'S HOSPITAL ; BRIGHAM AND WOMEN'S HOSPITAL

Inventor(s): (std): HYNYNEN KULLERVO ; JOLESZ FERENC A

Inventor(s): KULLERVO HYNYNEN ; FERENC A JOLESZ

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

13) Family number: 30162867 (WO9825535A1)

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Title: APPARATUS FOR GUIDING AND SUPPORTING AN INSTRUMENT SUCH AS A SURGICAL INSTRUMENT OR A PROBE

Abstract: An apparatus for the guide of a surgical instrument (4), in particular for skull neurosurgery, coupled to a stereotactic frame (1) kept integral in use to a patient (2) and to a support (3) for said instrument (4). The support (4) or flange is connected to the stereotactic frame (1) by means of a plurality of rotating supports (7, 8, 9, 10) linked in turn by stiff arms (11, 12, 13), each support allowing to said guide apparatus (5) a degree of freedom about an axis of rotation (7a, 8a, 9a, 10a). In particular, the first and second support (7, 8) permit to the instrument a substantially spherical movement with respect to the stereotactic frame (1) and the third and fourth support permit to the instrument (4) a rotation in a plurality of directions with respect to the first and second support (7, 8). The apparatus can act as reader of the position of the instrument in combination to a morphological map on a computer monitor (21) and as support for it, allowing its light manoeuvre in the nearby of a chosen position. It is possible to lock the instrument and the rotating supports in a chosen position.

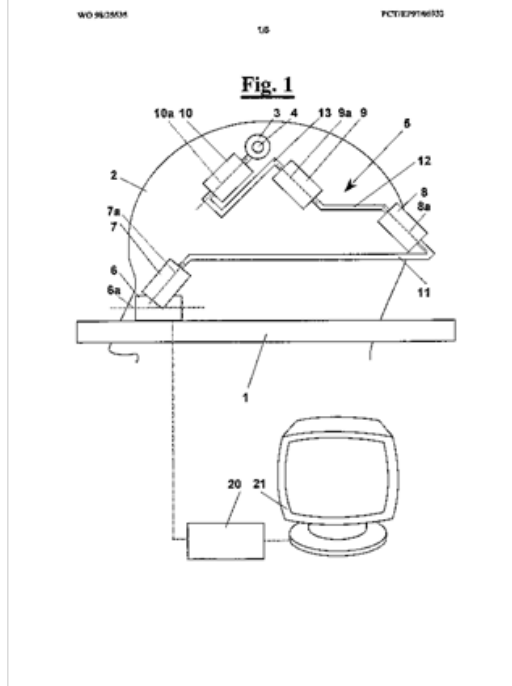
Classifications:

International (IPC 8-9): A61B19/00 (Advanced/Invention);
A61B19/00 (Core/Invention)

International (IPC 1-7): A61B19/00

CPC: A61B90/36 A61B34/10 A61B34/20 A61B90/11

European: A61B19/20B A61B19/52 K61B19/50 K61B19/52H12

**Family:**

Publication number	Publication date	Application number	Application date
IT1289303 B1	19981002	IT1996PI00061	19961211
ITPI960061 A1	19980611	IT1996PI00061	19961211
WO9825535 A1	19980618	WO1997EP06932	19971211

Priority:

IT1996PI00061 19961211

Probable Assignee: SM SCIENZA MACHINALE S R L**Assignee(s):** (std): BOSIO LUCA ; GIORGI CESARE ; SM SCIENZA MACHINALE S R L ; SM SCIENZA MACHINALE S R L**Assignee(s):** SM SCIENZA MACHINALE SRL ; SM SCIENZA MACHINALE SRL**Inventor(s):** (std): BOSIO LUCA ; GIORGI CESARE**Designated states:** AT BE CA CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE US**14) Family number: 33074572 (US2006124141A)**

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Title: PATIENT TEMPERATURE REGULATION METHOD AND APPARATUS

Abstract: Source: US2006124141A A device and method for providing body cooling. The cooling device applies cooling to blood flowing in a vena cavae that is then distributed throughout the body. The cooling can be assisted by use of thermoregulatory drugs or warming devices to prevent shivering and vasoconstriction.

Classifications:**International (IPC 8-9):** A61B18/02 A61B18/04 A61B19/00 A61F7/00

A61F7/08 A61F7/12 A61K31/05 A61K31/4168 A61K31/4174

A61K31/451 A61K33/06 A61M1/36 A61M25/00 A61M25/14

A61M25/16 A61M5/44 A61P43/00 (Advanced/Invention);

A61B17/00 A61B17/22 A61B19/00 A61B5/20

A61F7/00 (Advanced/Non-invention)

International (IPC 1-7): A61B18/02 A61F7/00 A61F7/12 A61M1/36**CPC:** A61M25/0023 A61M2025/0004 A61M2025/006 A61M2205/3606

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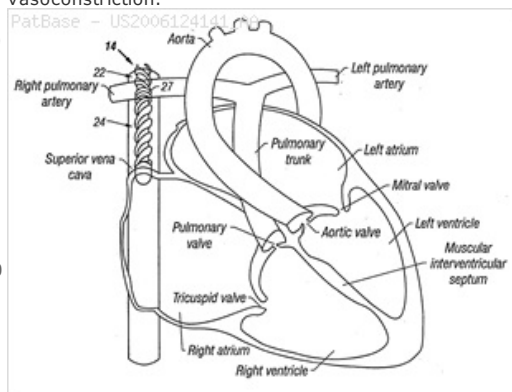
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K61B18/02C K61B18/02H4 K61B19/46H K61B5/20 K61F7/00C2 K61F7/00D K61F7/00D4 K61F7/00T K61F7/12 K61F7/12D

K61M205/36 K61M205/36A K61M205/36L K61M210/10K4 K61M25/00A1 K61M25/00C K61M25/00R1 K61M25/00R1M10

K61M25/00S8 K61M25/00T10G

US: 128/899 607/104 607/105 607/105P 607/105S 607/106 607/106P 607/113 607/113S**Family:**

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Priority:

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Probable Assignee: ZOLL CIRCULATION INC

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Assignee(s): INNERCOOL THERAPIES INC A DELAWARE CORP ; DEL MAR MEDICAL TECHNOLOGIES INC ; LIFE SCIENCES CAPITAL LLC ; MARSHALL ROBERT ; MARVIN ROBERT ; PHILIPS ELECTRONICS NORTH AMERICA CORP ; ZOLL CIRCULATION INC ; NEURO THERMIA INC

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Inventor(s): YON STEVEN ; NEST MARK VAN ; WERNETH RANDELL ; NEST MARK ; LASHERAS JUAN ; DOBAK JOHN DIII ; DOBAK JOHN

Agent(s): MARK D WIECZOREK; MAYER AND WILLIAMS PC; KARIN L; MARK D

15) Family number: 30090848 (US2002075201A)

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Title: AUGMENTED REALITY VISUALIZATION DEVICE

Abstract: Source: US2002075201A A head-mounted display system includes an imaging camera for capturing a view of a workspace located below the head-mounted display system, the imaging camera positioned at a downward pitch angle for capturing an image of the workspace. The system further includes a tracking camera aligned in substantially the same yaw as the imaging camera, the tracking camera for capturing a tracking image including a marker structure, and a display which displays a view of the workspace captured by the imaging camera augmented by a virtual image generated by a processor and registered according to the tracking image.

Classifications:

International (IPC 8-9): A61B19/00 A61B34/10 A61B34/20 A61B5/055 A61B6/03 A61B8/00 G06F19/00 G06T17/40 H04N13/00 (Advanced/Invention); A61B19/00 A61B5/055 (Advanced/Non-invention); A61B19/00 A61B5/055 A61B6/03 A61B8/00 G06F19/00 G06T17/40 H04N13/00 (Core/Invention); A61B19/00 A61B5/055 (Core/Non-invention)

International (IPC 1-7): A61B19/00 A61B5/00 A61B5/05 A61B5/055 A61B6/03 A61B8/00 G06F19/00 G06T17/40 G09G5/00 H04N13/00

CPC: G06F19/3481 A61B34/70 A61B90/361 A61B2034/2055

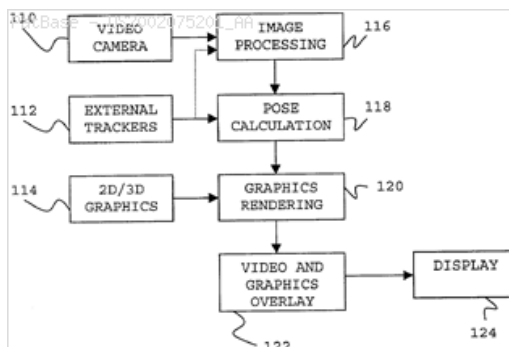
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European: A61B19/52H12 G02B27/01C G02B7/00B G06F19/00A G06F19/34A G06F19/34C G06F19/34H G06F19/34N H04N13/00P7 H04N13/02A2 H04N13/02A7 H04N13/02E1 H04N13/04C H04N13/04G9 H04N13/04T K61B17/00Q6P K61B17/00Q8 K61B19/22 K61B19/26D K61B19/52D K61B19/52H12B6 K61B19/52H12F K61B19/52L K61B19/52L2 K61B5/055 S02B27/01A10 S02B27/01A11 S02B27/01D4 T04N13/00 T04N13/00P17 T04N13/00P7 T04N13/02A2 T04N13/02A7 T04N13/02M T04N13/02M1 T04N13/02Y T04N13/04C T04N13/04G9 T04N13/04T T04N13/04Y

US: 345/156 345/156P 345/7 345/7P 345/8 345/9 348/E13.002 348/E13.002S 348/E13.014 348/E13.014S 348/E13.016 348/E13.016S 348/E13.022 348/E13.022S 348/E13.023 348/E13.023S 348/E13.025 348/E13.025S 348/E13.034 348/E13.034S 348/E13.041 348/E13.041S 348/E13.045 348/E13.045S 348/E13.059 348/E13.059S 348/E13.063 348/E13.063S 348/E13.071 348/E13.071S 359/13 359/630 600/411 600/411P 600/414 600/414S 600/426 600/426S 600/427 600/427S

Family:

Publication number	Publication date	Application number	Application date
CA2425075 AA	20030403	CA20012425075	20011005
EP1356413 A2	20031029	EP20010977904	20011005
JP2004538538 T2	20041224	JP20020533197T	20011005
US2002075201 AA	20020620	US20010953679	20010917
US2002082498 AA	20020627	US20010971554	20011005
US2002163499 AA	20021107	US20020109129	20020328



US6891518 BB	20050510	US20010953679	20010917
US6919867 BB	20050719	US20020109129	20020328
WO0229700 A2	20020411	WO2001US42506	20011005
WO0229700 A3	20030814	WO2001US42506	20011005

Priority:

US20000238253P 20001005 US20010279931P 20010329 US20010953679 20010917
US20010971554 20011005 US20020109129 20020328 WO2001US42506 20011005

Probable Assignee: SIEMENS CORP

Assignee(s): (std): SAUER FRANK ; SIEMENS CORP RES INC ; SIEMENS CORPORATE RESEARCH INC

Assignee(s): WENDT MICHAEL ; SIEMENS CORP ; BANI HASHEMI ALI ; BANI HASHEMI ALI R

Inventor(s): (std): BANI HASHEMI ALI ; BANI HASHEMI ALI R ; SAUER FRANK ; WENDT MICHAEL

Agent(s): FETHERSTONHAUGH AND CO

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

16) Family number: 23313285 (US2005154297A)

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Title: CATHETER AND GUIDE TUBE FOR INTRACEREBRAL APPLICATION

Abstract: Source: US2005154297A A catheter for use in neurosurgery, and a method of positioning neurosurgical apparatus. The catheter has a fine tube arranged for insertion into the brain parenchyma of a patient with an external diameter of not more than 1.0 mm. The catheter and method may be used in stereotactically targeting treatment of abnormalities of brain function, and parenchyma. This is advantageous when a therapeutic agent would have widespread unwanted effects which could be avoided by confining the delivery to the malfunctioning or damaged brain tissue.

Classifications:

International (IPC 8-9): A61B17/04 A61B17/80 A61B19/00 A61F2/08

A61K38/18 A61M1/00 A61M25/00 A61M25/08 A61M39/00 A61M5/14

A61M5/142 A61M5/32 A61P25/28 A61P35/00

A61P9/10 (Advanced/Invention);

A61M25/02 (Advanced/Non-invention);

A61B19/00 A61M1/00 A61M25/00 A61M25/08 A61M39/00 (Core/Invention);

A61M25/02 (Core/Non-invention)

International (IPC 1-7): A61B19/00 A61B6/00 A61M25/00 A61M25/08

CPC: A61B90/11 A61M39/0247 A61M25/00 A61M25/02 A61M2025/0042 A61M2025/0233 A61M2039/025 A61M2039/0273 A61M2039/0282 A61M2210/0693 A61B2090/103

European: A61B19/20B A61M25/00 A61M39/02T K61M210/06H K61M25/00R3 K61M25/02 K61M25/02B3 K61M39/02T14 K61M39/02T18 K61M39/02T2

US: 600/431 600/431P 604/175 604/500 604/500P 606/300 606/305



Family:

Publication number	Publication date	Application number	Application date
AT416706 E	20081215	AT20030708342T	20030311
AT497735 E	20110215	AT20030018637T	20030311
AU2003212522 AA	20030929	AU20030212522	20030311
AU2003212522 BB	20081127	AU20030212522	20030311
CA2475855 AA	20040811	CA20032475855	20030311
CA2475855 C	20150120	CA20032475855	20030311
CA2872998 AA	20030925	CA20032872998	20030311
DE60325181 D1	20090122	DE20036025181	20030311
DE60336030 D1	20110324	DE20036036030	20030311
DK1482851 T3	20090209	DK20030708342T	20030311
EP1482851 A1	20041208	EP20030708342	20030311
EP1482851 B1	20081210	EP20030708342	20030311
EP2018829 A2	20090128	EP20080018637	20030311
EP2018829 A3	20090401	EP20080018637	20030311
EP2018829 B1	20110209	EP20080018637	20030311
EP2258437 A1	20101208	EP20100010990	20030311
ES2316732 T3	20090416	ES20030708342T	20030311
GB200205772 A0	20020424	GB20020005772	20020312
JP2005519693 T2	20050707	JP20030575842T	20030311
JP2009279433 A2	20091203	JP20090178428	20090730
JP4465493 B2	20100519	JP20030575842T	20030311
JP4929318 B2	20120509	JP20090178428	20090730
MXPA04008297 A1	20050608	MX2004PA08297	20030311
PL372262 A1	20050711	PL20030372262	20030311
US2005154297 AA	20050714	US20030505240	20030311
US2011282319 AA	20111117	US20110137071	20110719
US8128600 BB	20120306	US20030505240	20030311
WO03077785 A1	20030925	WO2003GB01030	20030311

Priority:

CA20032475855 20030311 CA20142475855 20141209 EP20030708342 20030311
JP20030575842 20030311 EP20080018637 20030311 GB20020005772 20020312
WO2003GB01030 20030311 US20050505240 20050222 US20110137071 20110719

Probable Assignee: RENISHAW IRELAND LTD

Assignee(s): (std): GILL STEVEN S ; GILL STEVEN STREATFIELD ; GILL STEVEN STREATFIELD ; STREATFIELD GILL STEVEN ; STEVEN STREATFIELD GILL ; RENISHAW PLC ; RENISHAW IRELAND LTD

Assignee(s): RENISHAW (IRELAND) LTD ; RENISHAW IRELAND LTD SWORDS BUSINESS PARK SWORDS IRE ; RENISHAW PLC WOTTON UNDER EDGE ; RENISHAW LTD ; RENISHAW IRELAND LIMITED

Inventor(s): (std): GILL STEVEN STREATFIELD ; STEVEN STREATFIELD GILL ; GILL STEVEN STREATFIELD ; GILL STEVEN S

Inventor(s): GILL STEVEN STREATFIELD GB ; GILL STEVEN

Agent(s): PHILLIPS ORMONDE FITZPATRICK; OYEN WIGGS GREEN AND MUTALA LLP; DUNN PAUL EDWARD ET AL; DUNN PAUL EDWARD; KENNETH I KOHN, KOHN AND ASSOICATES; KENNETH I KOHN KOHN AND ASSOICATES; OLIFF AND BERRIDGE PLC

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

17) Family number: 23313287 (US2005125007A) © PatBase

Title: STEREOGUIDE FOR CLAMPING NEUROSURGICAL INSTRUMENTS

Abstract: Source: US2005125007A The present invention relates to apparatus for use in neurosurgery, and to a method of positioning neurosurgical apparatus. The stereoguide comprises first and second guide elements through which instruments are passed along an axis of insertion towards a target and a first clamp (25) having a clamping position on the axis between the guide elements and the target.

Classifications:

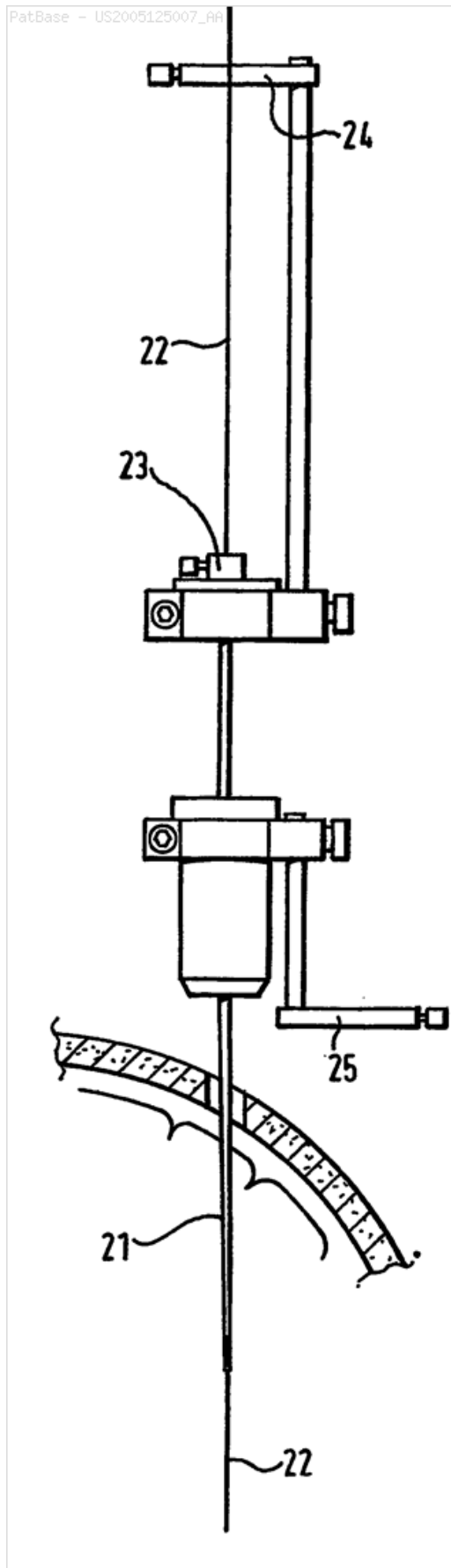
International (IPC 8-9): A61B1/00 A61B17/00 A61B18/14
A61B19/00 A61B5/04 A61F5/00 A61M25/01
A61M5/00 (Advanced/Invention)

International (IPC 1-7): A61B17/08 A61B19/00

CPC: A61B90/11

European: A61B19/20B

US: 248/82 600/102 600/372 600/378 600/417 604/114 604/116
606/129 606/130 606/130P 606/151 606/151S 606/96 606/97
606/98

**Family:**

Publication number	Publication date	Application number	Application date
AU2003209491 AA	20030929	AU20030209491	20030311
DE60311091 D1	20070222	DE20036011091	20030311
DE60311091 T2	20070606	DE20036011091T	20030311
EP1509153 A1	20050302	EP20030744428	20030311
EP1509153 B1	20070110	EP20030744428	20030311
EP1769820 A1	20070404	EP20070000175	20030311
GB200205773 A0	20020424	GB20020005773	20020312
US2005125007 AA	20050609	US20030507360	20030311

US2008045973 AA	20080221	US20070869131	20071009
US7329262 BB	20080212	US20030507360	20030311
WO03077784 A1	20030925	WO2003GB01027	20030311

Priority:

EP20030744428 20030311 GB20020005773 20020312 US20070869131 20071009
US20050507360 20050128 WO2003GB01027 20030311

Probable Assignee: RENISHAW PLC

Assignee(s): (std): GILL STEVEN S ; RENISHAW PLC ; STREATFIELD GILL STEVEN

Assignee(s): RENISHAW PLC WOTTON UNDER EDGE

Inventor(s): (std): GILL STEVEN S ; GILL STEVEN STREATFIELD ; STREATFIELD GILL STEVEN ; GILL STEPHEN STREATFIELD

Inventor(s): GILL STEVEN

Agent(s): KENNETH I KOHN, KOHN AND ASSOCIATES; KENNETH I KOHN KOHN AND ASSOCIATES; KOHN AND ASSOCIATES PLLC; KOHN KENNETH I; KENNETH I

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

18) Family number: 30226864 (US2004019265A)

© PatBase

Title: FIDUCIAL MARKER DEVICES, TOOLS, AND METHODS

Abstract: Source: US2004019265A This document discusses, among other things, a fiducial marker assembly that includes an internally engagable base. The base is sized and shaped to be mounted flush to or recessed from an outer surface of a patient's skull, thereby reducing or avoiding patient discomfort. The fiducial marker assembly includes an imagable locator and a registration receptacle. A base insertion instrument is engaged into the interior of the base to attach the base to the patient's skull. A guide tube and scalp-stabilizer are provided for assisting in the base-attachment procedure. A trajectory guide can be coupled to the base. An alternative conformal cap to a raised fiducial marker base is also discussed.

Classifications:

International (IPC 8-9): A61B17/68 A61B17/86 A61B19/00
A61B5/00 A61B5/05 A61B5/055 A61B6/03 (Advanced/Invention);
A61B17/68 A61B17/86 (Advanced/Non-invention);
A61B19/00 A61B5/00 A61B5/055 A61B6/03 (Core/Invention);
A61B17/68 (Core/Non-invention)

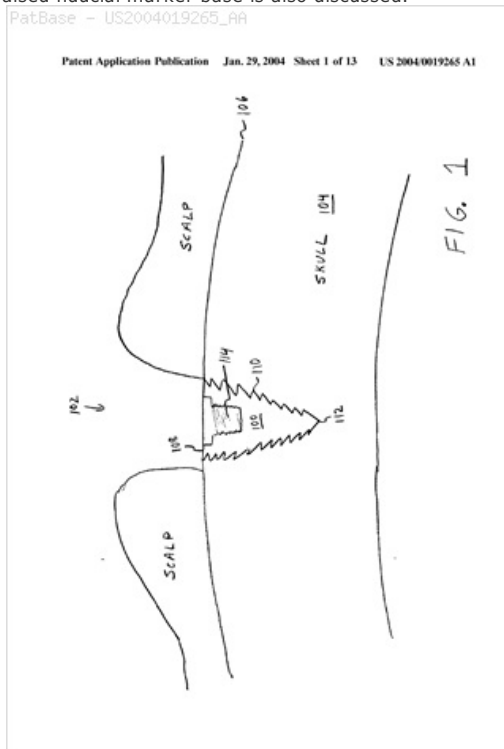
International (IPC 1-7): A61B19/00 A61B5/05

CPC: A61B34/10 A61B2034/2055 A61B2034/2068 A61B2034/207
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A61B2090/3937 A61B2090/3954 A61B2090/397 A61B2090/3983
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A61B17/685 A61B17/8605 A61B34/20 A61B90/39

European: A61B19/52H12 A61B19/54 K61B17/68E K61B17/86A
K61B19/00R2 K61B19/48B K61B19/50 K61B19/50D
K61B19/52H12B4 K61B19/52H12B6 K61B19/52H12D
K61B19/52H12D2 K61B19/52H12F K61B19/52J K61B19/54B6
K61B19/54J K61B19/54L K61B19/54R K61B19/54T K61B19/54V
K61B19/54X

US: 356/247 378/20 600/407 600/407P 600/410 600/411 600/411P
600/414 600/414P 600/424 600/426 600/426P 600/426S 600/431
606/130 606/265 606/286 606/289 606/295 606/301 606/302
606/303 606/304 606/305 606/306 606/308 606/309 606/310
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606/322 606/323 606/324 606/325 606/326 606/327 606/72
D24/140 D24/158

Locarno class: 24/02



Family:

Publication number	Publication date	Application number	Application date
AT506024 E	20110515	AT20040714573T	20040225
CA2516388 AA	20050817	CA20042516388	20040225
DE602004032316 D1	20110601	DE200460032316T	20040225
EP1599148 A2	20051130	EP20040714573	20040225
EP1599148 B1	20110420	EP20040714573	20040225
JP2006518655 T2	20060817	JP20060503841T	20040225
JP4563377 B2	20101013	JP20060503841T	20040225
US2004019265 AA	20040129	US20020206884	20020729
US2004030236 AA	20040212	US20030454145	20030604
US2004030237 AA	20040212	US20030454786	20030604
US2004167391 AA	20040826	US20030688801	20031017
US2004167393 AA	20040826	US20030374677	20030225
US2007225599 AA	20070927	US20070689356	20070321
US2010063388 AA	20100311	US20090619512	20091116
US2010217120 AA	20100826	US20100749312	20100329
US7643867 BB	20100105	US20030688801	20031017
US7720522 BB	20100518	US20030374677	20030225
US7787934 BB	20100831	US20030454145	20030604

US8032204 BB	20111004	US20090619512	20091116
US8073530 BB	20111206	US20100749312	20100329
US8185184 BB	20120522	US20070689356	20070321
USD527820 S1	20060905	US20040199266F	20040212
USD528211 S1	20060912	US20040199249F	20040212
WO04075768 A2	20040910	WO2004US05470	20040225
WO04075768 A3	20050106	WO2004US05470	20040225

Priority:

US20020206884	20020729	US20030374677	20030225	US20030374677F	20030225
US20040199249F	20040212	US20030454786F	20030604	US20030688801F	20031017
US20030454145	20030604	US20030454786	20030604	US20030688801	20031017
WO2004US05470	20040225	US20040199266F	20040212	US20070689356	20070321
US20090619512	20091116	US20100749312	20100329		

Probable Assignee: MEDTRONIC INC

Assignee(s): (std): BRIDGES THOMAS L ; FREAS MARK ; FREAS MARK S ; FREAS MARK STEPHEN ; IMAGE GUIDED NEUROLOGICS INC ; LEE DAVID ; MAZZOCCHI RUDY A ; SOLAR MATTHEW S ; LEE DAVID M ; MEDTRONIC INC ; MEDTRONIC IMAGE GUIDED NEUROLOGICS INC

Inventor(s): (std): BRIDGES THOMAS L ; FREAS MARK ; FREAS MARK S ; FREAS MARK STEPHEN ; LEE DAVID ; LEE DAVID M ; MAZZOCCHI RUDY A ; SOLAR MATTHEW S ; SOLAR MATTHEW ; MAZZOCCHI RUDY ; BRIDGES THOMAS

Agent(s): GOWLING LAFLEUR HENDERSON LLP ; COLLINS JOHN DAVID ; SCHWEGMAN LUNDBERG WOESSNER AND KLUTH PA ; HARNESS DICKEY AND PIERCE PLC ; SCOTT A ; STEPHEN W

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

19) Family number: 41496799 (CN201012191Y)

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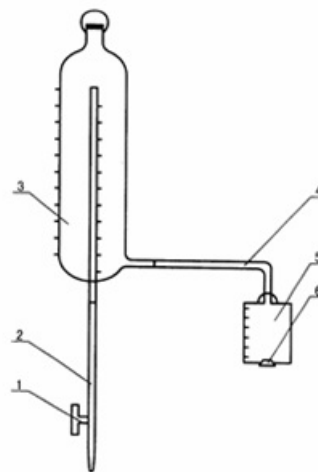
Title: Disposable exterior drainage device of cerebral ventricle

Abstract: Source: CN201012191Y The utility model is a one-off outer-brain guide flow device, which belongs to the medical treatment apparatus region. The device includes a guide-flow bottle, an input tube and an output tube; the input tube and the output tube are communicated with the lumen of the guide-flow bottle; one part of the input tube stands into the lumen of the guide-flow bottle; the input tube is with a scale; the device is characterized in that: the input tube (2) out of the guide-flow bottle (3) is provided with a three-connections (1); the end part of the output tube (4) is connected with a guide-flow bag (5); the middle of the bottom of the guide-flow bag (5) is provided with a thick pad (6) plastic molding. If applied on the neurosurgery clinic, the device is simple in the design, convenient in the operation, low in the cost and safe and convenient in the use and so on.

Classifications:

International (IPC 8-9): A61M1/00 A61M27/00 (Advanced/Invention); A61M1/00 A61M27/00 (Core/Invention)

PatBase - CN201012191_Y



Family:

Publication number	Publication date	Application number	Application date
CN201012191 Y	20080130	CN200720018710U	20070208

Priority:

CN200720018710U 20070208

Probable Assignee: HAIYING HU

Assignee(s): (std): HAIYING HU

Assignee(s): HU HAIYING

Inventor(s): (std): HAIYING HU ; JIAYAN CHEN ; LANFANG SUN

Inventor(s): SUN LANFANG ; HU HAIYING ; CHEN JIAYAN

20) Family number: 40925358 (US2010312193A)

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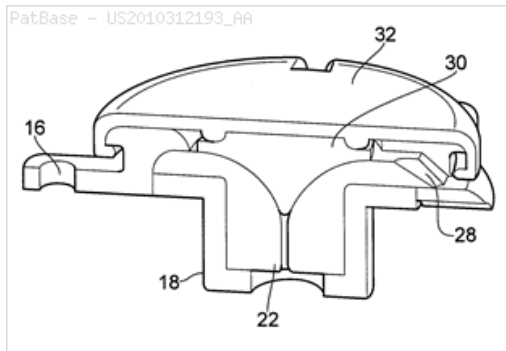
Title: NEUROSURGICAL CAP

Abstract: Source: US2010312193A The invention relates to a cap for use in neurosurgery. The cap may be applied to a bore

hole in a patient's skull, allowing the entry and removal of neurosurgical instruments, whilst providing an openable seal over the bore hole.

Classifications:

International (IPC 8-9): A61B17/02 A61B17/34 A61B17/56
A61B19/00 A61M25/00 A61M25/04 A61M39/02 (Advanced/Invention);
A61B17/34 A61B19/00 A61M39/02 (Core/Invention)
International (IPC 1-7): A61B19/00 A61M39/02
CPC: A61B2090/103 A61B90/11 A61M39/02 A61M2025/0246
A61B17/3403 A61B17/3415 A61B17/3423 A61B2017/3407
European: A61B17/34D A61B17/34G4A A61B19/20B A61M39/02
K61B17/34D1B K61B17/34E K61B19/20H K61M25/02D
US: 604/174 604/175 604/175P 606/129 606/130 606/130P



Family:

Publication number	Publication date	Application number	Application date
CA2701132 AA	20090416	CA20082701132	20081006
CA2701749 AA	20090416	CA20082701749	20081008
CN101820943 A	20100901	CN200880110674	20081008
CN101883535 A	20101110	CN200880110456	20081006
CN101883535 B	20130501	CN200880110456	20081006
EP2207496 A1	20100721	EP20080806537	20081006
EP2217319 A1	20100818	EP20080806533	20081008
GB200719608 A0	20071114	GB20070019608	20071008
GB200723880 A0	20080116	GB20070023880	20071207
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JP2010540201 T2	20101224	JP20100528472T	20081008
JP2010540202 T2	20101224	JP20100528474T	20081006
JP5587190 B2	20140910	JP20100528474T	20081006
US2010312193 AA	20101209	US20080733881	20081008
US2011009879 AA	20110113	US20080733562	20081006
US8556860 BB	20131015	US20080733881	20081008
WO09047491 A1	20090416	WO2008GB03393	20081008
WO09047494 A1	20090416	WO2008GB03397	20081006

Priority:

GB20070019608 20071008 GB20070023880 20071207 WO2008GB03397 20081006
WO2008GB03393 20081008

Probable Assignee: RENISHAW IRELAND LTD

Assignee(s): (std): DERRICK HUGO G ; DERRICK HUGO GEORGE ; FIELDER PAUL DAVID ; RENISHAW PLC ; STRATTON MATHEW DAVID FREDERIC ; WOOLLEY MAX ROY ; STREATFIELD GILL STEVEN ; RENISHAW IRELAND LTD ; WOOLLEY MAX R ; STRATTON MATHEW D F

Assignee(s): RENISHAW IRELAND LIMITED ; GILL STEVEN STREATFIELD ; RENISHAW (IRELAND) LTD

Inventor(s): (std): DERRICK HUGO G ; DERRICK HUGO GEORGE ; FIELDER PAUL DAVID ; FREDERIC STRATTON MATHEW DAVID ; GEORGE DERRICK HUGO ; GILL STEVEN STREATFIELD ; ROY WOOLLEY MAX ; STRATTON MATHEW D F ; STRATTON MATHEW DAVID FREDERIC ; WOOLLEY MAX R ; WOOLLEY MAX ROY

Inventor(s): STRATTON MATHEW DF ; STEVEN STREATFIELD GILL ; HUGO GEORGE DERRICK ; MATHEW DAVID FREDERIC STRATTON ; MAX ROY WOOLLEY ; PAUL DAVID FIELDER

Agent(s): DUNN PAUL EDWARD ; OLIFF AND BERRIDGE PLC ; WALLIS RACHEL ET AL ; DUNN PAUL EDWARD ET AL

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

21) Family number: 43965238 (CN201337520Y)

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Title: POSITIONING AND GUIDING DEVICE FOR DIAGNOSIS AND TREATMENT

Abstract: Source: CN201337520Y The utility model provides a positioning and guiding device for diagnosis and treatment, which belongs to the technical field of medical appliance. The positioning and guiding device adopts the structure that a skull hood bracket is connected at the lower end of a fixing rod, a threaded rod is arranged on the skull hood bracket, a skull fixer is arranged at one end of the threaded rod in the skull hood bracket, a rotating handle is arranged at the other end thereof out of the skull hood bracket, a sliding sleeve is arranged on the fixing rod and connected with a rotating arm, a rotating shaft is articulated at the lower end of the rotating arm, a fastening sleeve is arranged on the rotating shaft, an arc guide rail is connected at the lower end of the rotating shaft, a slide block is arranged on the arc guide rail, and a rotating propeller and a diagnosis and treatment apparatus is arranged on the slide block; a support arm is connected on the rotating arm, a support arm slide sleeve is arranged on the fixing rod and is connected with the support arm; a fastening screw is arranged on the slide sleeve. The positioning and guiding device has the advantages of simple structure, convenient operation and strong practicability, thereby being widely used for diagnosis and treatment and clinical work of neurosurgery.

Classifications:

International (IPC 8-9): A61B19/00 A61B90/11 (Advanced/Invention);
A61B19/00 (Core/Invention)

Priority:

CO20090089216 20090825

Probable Assignee:

PERNA JAIME EDUARDO

Assignee(s): (std):

PERNA JAIME EDUARDO

Assignee(s):

JAIME ARTURO PERNA ROMERO

Inventor(s): (std):

PERNA JAIME EDUARDO

Inventor(s):

JAIME ARTURO PERNA ROMERO

23) Family number: 45901786 (WO10074549A1)

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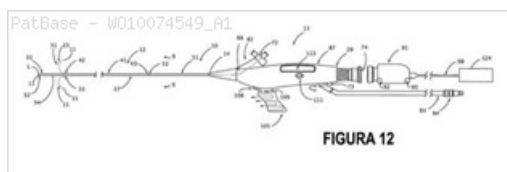
Title: INTUITIVE, MULTI-FUNCTION, ERGONOMIC ENDOSCOPIC SYSTEM WITH A SHEATH OF VARYING ELASTICITY AND A TIP WHICH FITS NATURAL ORIFICES

Abstract: An endoscopic system, apparatus and method for observing a dark area inside the body. The system includes an instrument of the endoscopic type, an image apparatus and a human apparatus interface. The endoscope includes a tip assembly which fits the natural orifices and is connected to a working sheath of varying elasticity which is joined to a intuitive and ergonomic gripping handle. The tip assembly includes a plurality of ports and an extension of the working channel for facilitating entry thereof, protecting the body tissues and protecting the optical image collector. The sheath assembly includes an active flexible segment which is connected to a passive flexible segment and the latter is in turn connected to a semi-rigid or rigid segment. An intuitive (instinctive perception) and ergonomic gripping handle is connected to the working sheath described, these operating moreover in an integral and coherent manner. The method for observing the dark area of the body cavity includes the steps and measures to be implemented in order to provide an instrument which has a segment of the working sheath with varying elasticity having an active flexible distal end and in order to handle this segment at the desired angle of deflection.

Classifications:**International (IPC 8-9):** A61B1/005 A61B1/018 A61B1/07

A61B1/307 (Advanced/Invention);

A61B1/00 A61B1/06 (Core/Invention)

CPC: A61B1/00089 A61B1/00096 A61B1/0051 A61B1/018 A61B1/07 A61B1/307**European:** A61B1/005B A61B1/00E4H4 A61B1/00E4H7 A61B1/018 A61B1/07 A61B1/307**Family:**

Publication number	Publication date	Application number	Application date
EP2428157 A1	20120314	EP20100724985	20100107
EP2428157 A4	20140312	EP20100724985	20100107
MX2008014203 A1	20100506	MX20080014203	20081106
WO10074549 A1	20100701	WO2010MX00001	20100107

Priority:

MX20080014203 20081106 MX20082014203 20081106 WO2010MX00001 20100107

Probable Assignee: CAMPOS CASTELLANOS JORGE ALBERTO**Assignee(s):** (std): CAMPOS CASTELLANOS JORGE ALBERTO ; CASTELLANOS JORGE ALBERTO CAMPOS**Assignee(s):** JORGE ALBERTO CAMPOS CASTELLANOS**Inventor(s):** (std): CAMPOS CASTELLANOS JORGE ALBERTO ; CASTELLANOS JORGE ALBERTO CAMPOS**Inventor(s):** JORGE ALBERTO CAMPOS CASTELLANOS**Agent(s):** MOLINA GARCIA JULIA

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

24) Family number: 43550639 (US2012060847A)

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Title: HEAD CLAMP FOR IMAGING AND NEUROSURGERY

Abstract: Source: US2012060847A A head clamp for neurosurgery is described that includes a member for at least partially encircling the head of a subject. The first end and second end of the head clamp include first and second skull attachment portions for attaching the member to the head of a subject. A position setter, such as an indexing mechanism, is also provided that allows the member to be moved or indexed between at least two repeatable relative positions.

Classifications:**International (IPC 8-9):** A61B17/00 A61B17/56 A61B17/70

A61B19/00 A61B90/00 A61B90/10 A61F4/00 A61F5/00 A61F5/04

A61G15/00 A61G15/10 G01D11/06 G01D11/16 G01D13/22

G01D13/24 G08B7/00 (Advanced/Invention);

A61B17/58 A61B17/60 A61B17/64 A61F5/01 A61F5/37 G06F3/00

G06F3/01 (Advanced/Non-invention)

CPC: A61B17/56 A61B17/58 A61B17/60 A61B17/64 A61B17/6433

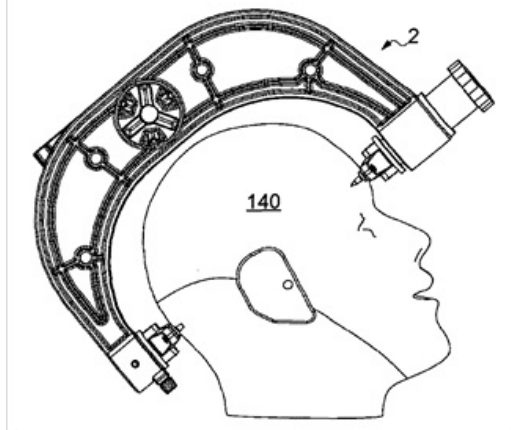
A61B17/6458 A61F5/00 A61F5/01 A61F5/37 A61F5/3707 G06F3/00

G06F3/01 G06F3/016 G01D13/22 G01D13/24 A61B2090/067

A61B2090/3954 A61B2090/3983 A61B90/14 A61B19/203

A61B2019/5236

European: A61B19/20D K61B19/46J K61B19/54L K61B19/54T**US:** 1/1 128/845

**Family:**

Publication number	Publication date	Application number	Application date
EP2432413 A1	20120328	EP20100721537	20100520
EP2432413 B1	20170125	EP20100721537	20100520
GB200908787 A0	20090701	GB20090008787	20090521
US2012060847 AA	20120315	US20100320953	20100520
US2016113719 AA	20160428	US20150984146	20151230
US9254177 BB	20160209	US20100320953	20100520
WO10133839 A1	20101125	WO2010GB01003	20100520

Priority:

GB20090008787 20090521 US20110320953 20111117 US20150984146 20151230
 WO2010GB01003 20100520

Probable Assignee: RENISHAW IRELAND LTD

Assignee(s): (std): DERRICK HUGO GEORGE ; RENISHAW IRELAND LTD ; RENISHAW PLC ; STRATTON MATHEW DAVID FREDERICK

Assignee(s): RENISHAW (IRELAND) LTD ; RENISHAW IRELAND LIMITED

Inventor(s): (std): DERRICK HUGO GEORGE ; STRATTON MATHEW DAVID FREDERICK ; STRATTON MATTHEW DAVID FREDERICK

Agent(s): DUNN PAUL EDWARD; OLIFF PLC; DUNN PAUL EDWARD ET AL

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

25) Family number: 52442407 (RU2463978C)

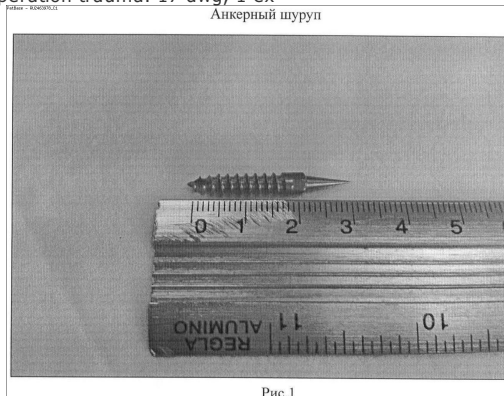
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Title: METHOD OF ANCHOR CORRECTION AND FIXATION OF TRAUMATIC DISLOCATIONS OF VERTEBRA C2 BODY IN CASE OF "HANGMAN'S FRACTURES"

Abstract: Source: RU2463978C FIELD: medicine. SUBSTANCE: invention relates to field of medicine, namely to neurosurgery and vertebrology. Essence of method consists in application of anchor fixers. In conditions of forced halo correction by means of guide-corrector performed are low-invasive delivery and thread fixation of screw with stylet part into body of dislocated vertebra C2 from the side of its lower site. After that, axial and sagittal distraction-correction of dislocated vertebra body is performed with installation of stylet parts of anchor screw above upper articular site of vertebra C3 body in required position. Then fixation of corrected position of vertebra C2 body is performed as a result of introduction of stylet part of screw into upper joint site of vertebra C3 body by elimination of axial distraction effort of guide-corrector and halo apparatus. EFFECT: application of claimed invention makes it possible to increase efficiency of correction and fixation of traumatic dislocations of vertebra C2 body in conditions of minimal operation trauma. 17 dwg, 1 ex

Classifications:

International (IPC 8-9): A61B17/56 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
RU2463978 C1	20121020	RU20110127806	20110706

Priority:

Probable Assignee: GOGOLEV ANDREJ JUR EVICH

Assignee(s): (std): GOGOLEV ANDREJ JUR EVICH ; KRYLOV VLADIMIR VIKTOROVICH ; NEKRASOV ALEKSEJ KONSTANTINOVICH ; NEKRASOV MIKHAIL ALEKSEEVICH

Inventor(s): (std): GOGOLEV ANDREJ JUR EVICH ; KRYLOV VLADIMIR VIKTOROVICH ; NEKRASOV ALEKSEJ KONSTANTINOVICH ; NEKRASOV MIKHAIL ALEKSEEVICH

Inventor(s): GOGOLEV ANDREJ JUR'EVICH

26) Family number: 52439414 (RU2465025C)

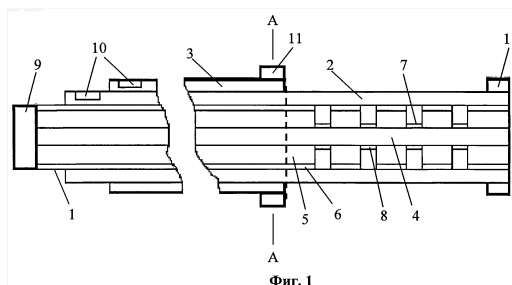
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Title: APPARATUS AND METHOD FOR SPINAL STIMULATION

Abstract: Source: RU2465025C FIELD: medicine. SUBSTANCE: group of inventions refers to medical equipment and medicine, particularly to physiotherapeutic apparatuses in neurosurgery applicable for treating traumatic and degenerative spinal injuries, namely for stimulation of reparative processes within the injury. An apparatus comprises coaxial cylindrical extended light guide with a core, optical, protective coats, catheter tube and second tube inserted in each other from the central longitudinal axis to the periphery. The light guide has terminals on electromagnetic emitters and optical windows. The latter are located near a distal end of the light guide taking up an area thereon matched with that of the spinal injury and limited thereby. The catheter tube has a terminal on an electric signal source and an electrode. The second tube is arranged coaxially to the catheter tube telescoped and enclosing the catheter tube with the light guide and has a terminal to the electrical signal source and the electrode. The optical windows are formed in the form of sections circulating along the light guide, not covered by the protective and optical coats, and covered with an optical illuminating coating transmitting electromagnetic emission of infrared, red, green and blue emissions. A method is implemented by placing the declared apparatus in an epidural space on dura mater. The exposure is ensured by pulse current and low-intensity electromagnetic emission in sessions of the length of 1-10 min every 4-12 hours. For the first 3-5 days, the spinal section above and below the injury are exposed to infrared and blue emission directly on the injury, and then for 7-8 days - to red emission. The course is completed by the exposure to green emission. The pulse current exposure is started together with the exposure to red emission and terminated with the therapeutic course. EFFECT: group of inventions provides higher effectiveness and issue of the stimulation. 3 cl, 3 dwg

Classifications:

International (IPC 8-9): A61N1/32 A61N5/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
RU2465025 C1	20121027	RU20110108860	20110310

Priority:

RU20110108860 20110310

Probable Assignee: TOMA ALEKSANDR IL ICH

Assignee(s): (std): TOMA ALEKSANDR IL ICH

Inventor(s): (std): ELKIN VLADIMIR ALEKSANDROVICH ; JANKIN SERGEJ SERGEEVICH ; NINEL VJACHESLAV GRIGOR EVICH ; NORKIN ALEKSEJ IGOREVICH ; PETROVA KIRA ALEKSANDROVNA ; TOMA ALEKSANDR IL ICH ; TOMA ALEKSANDR SERGEEVICH ; TOMA GEORGIJ VLADIMIROVICH ; TOMA IL JA ALEKSANDROVICH

Inventor(s): TOMA IL'JA ALEKSANDROVICH ; TOMA ALEKSANDR IL'ICH ; NINEL' VJACHESLAV GRIGOR'EVICH

27) Family number: 55727566 (US2014039554A)

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Title: APPARATUS FOR FIXING A CERVICAL SPINE HAVING SELF TENSION PART

Abstract: Source: US2014039554A An apparatus for fixing a cervical spine having a self tension part used in orthopedic surgery or neurosurgery when executing an anterior fixation operation on cervical spines is disclosed, including: an extension groove formed through a plate between the insertion holes and the center of the plate; a channel groove formed with stepped surfaces at both sides at the boundary of the insertion holes and the extension groove; a guide that is connected to the channel groove, rotates left/rightward in the channel groove and locks the screw to be inserted into the insertion holes; and a tension part that gives a pushing force the guide to be pushed toward the center of the plate and allows the guide to be rotated in the channel groove.

Classifications:

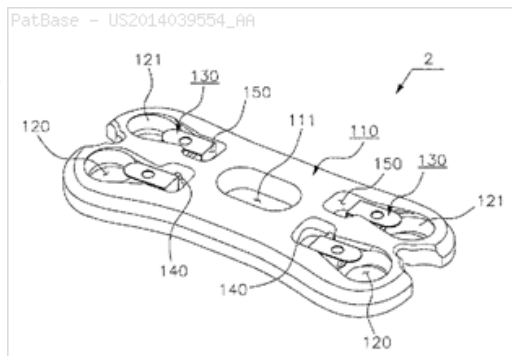
International (IPC 8-9): A61B17/68 A61B17/70 A61B17/80

A61B17/86 A61F2/44 (Advanced/Invention)

CPC: A61B17/7059 A61B17/8042 A61B17/7074 A61F2/44 A61B17/70

A61B17/80 A61B17/86

US: 606/246



Family:

Publication number	Publication date	Application number	Application date
BR102013019747 A2	20150922	BR20131019747	20130802
CH706800 A2	20140214	CH20130001350	20130805
CN103565506 A	20140212	CN201310332719	20130802
JP2014030719 A2	20140220	JP20130156769	20130729
JP5735056 B2	20150617	JP20130156769	20130729
KR101504260 B1	20150320	KR20130087576	20130724
KR20140018796 A	20140213	KR20130087576	20130724
US2014039554 AA	20140206	US20130955418	20130731

Priority:

KR20120085115 20120803 KR20130087576 20130724

Probable Assignee: SOLCO BIOMEDICAL CO LTD

Assignee(s): (std): KIM II ; KIM SEO KON ; SOLCO BIOMEDICAL CO LTD ; YOON DO HEUM

Assignee(s): SOLCO BIOMEDICAL CO

Inventor(s): (std): DO HEUM YOON ; KIM II ; KIM IL ; KIM LI ; KIM SEO KON ; SEO KON KIM ; YOON DO HEUM

Inventor(s): LI KIM

28) Family number: 56672372 (BRPI1106354A)

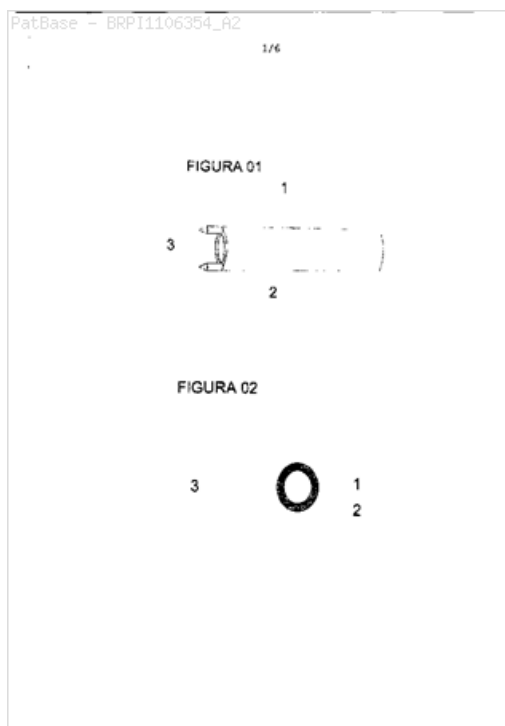
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Title: GUIA PARA PERFURACAO OSSEA PRECISA E FIXACAO DE PARAFUSO NO OSSO - METODO PARA PERFURAR E FIXAR PARAFUSO, PINO OU PREGO NO OSSO COM PRECISAO GUIDE FOR DRILLING AND BONE NEED FIXING SCREW THE BONE - METHOD FOR DRILLING AND FIX BOLT, PIN OR NAIL IN BONE WITH ACCURACY (Machine translation)

Abstract: Source: BRPI1106354A 1 RESUMO GUIA PARA PERFURACAO OSSEA PRECISA E FIXACAO DE PARAFUSO NO OSSO - METODO PARA PERFURAR E FIXAR PARAFUSO, PINO OU PREGO NO OSSO COM PRECISAO, constituido de um 05 aparelho idealizado para cirurgia ortopedica neurocirurgias, cirurgias buco-maxilo-facial ou qualquer outra cirurgia que utilize parafusos e/ou fios e/ou pinos e/ou pregos, usando um martelo para fixar o guia (1), que possui dois pinos (3), ao osso (10) que devera ser perfurado por uma broca (8) de 10 forma precisa visando coincidir a perfuracao da cortical ossea (10) com o orificio da haste intramedular (11) onde devera passar posteriormente o parafuso que a bloqueara. 1 SUMMARY GUIDE FOR DRILLING bone NEEDS AND SCREW THE BONE Fixing - METHOD FOR DRILLING AND FIXING BOLT, PIN OR NAIL IN BONE WITH PRECISION, consisting of a 05 unit designed for orthopedic neurosurgery surgery, maxillo-facial surgery or any other surgery using screws and / or wires and / or pins and / or studs, using a hammer for fixing the guide (1) having two pins (3) to the bone (10) to be pierced by a drill (8) 10 precisely in order to match the piercing of the cortical bone (10) with the hole of the intramedullary nail (11) which must then pass the screw that blocked.

Classifications:

International (IPC 8-9): A61B17/17 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
BRPI1106354 A2	20140429	BR2011PI06354	20111006

Priority:

BR2011PI06354 20111006

Probable Assignee: DE SOUZA ANDRE LUIZ ROCHA

Assignee(s): (std): DE SOUZA ANDRE LUIZ ROCHA

Assignee(s): ANDRE LUIZ ROCHA DE SOUZA

Inventor(s): (std): DE SOUZA ANDRE LUIZ ROCHA

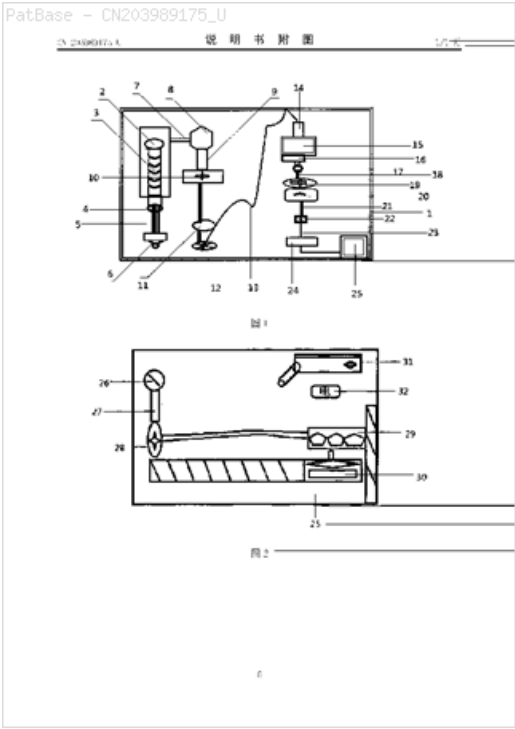
Inventor(s): ANDRE LUIZ ROCHA DE SOUZA

Title: NOVEL NEUROSURGERY DRAINAGE APPARATUS

Abstract: Source: CN203989175U The utility model provides a novel neurosurgery drainage apparatus and belongs to the technical field of medical instruments. According to the technical scheme, the novel neurosurgery drainage apparatus comprises a drainage apparatus main body frame and is characterized in that a guide side hole is formed in the left side of the drainage apparatus main body frame, a drainage apparatus pipe body is arranged under the guide side hole, a connector is arranged on the lower side of the drainage apparatus pipe body, a connection metal guide wire is arranged under the connector, an anti-skid rubber plug is arranged under the connection metal guide wire, a joint is arranged on the right side of the guide side hole, a two-way tube is arranged on the right side of the joint, a connection drainage tube is arranged under the two-way tube, a front instrument clip is arranged under the connection drainage tube, and a plastic suction bulb is arranged under the front instrument clip. The novel neurosurgery drainage apparatus is simple in structure and convenient to use, operation is simple and time and labor are saved when a neurosurgery operation is carried out on a patient, and work difficulty of medical staff is lowered.

Classifications:

International (IPC 8-9): A61M1/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN203989175 U	20141210	CN201420475511U	20140814

Priority:

CN201420475511U 20140814

Probable Assignee:

CUI XINGUO

Assignee(s): (std):

CUI XINGUO

Inventor(s): (std):

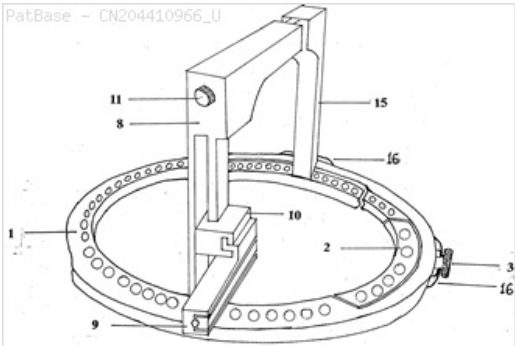
CUI XINGUO

Title: THREE-DIMENSIONAL GUIDE APPARATUS FOR INTRACRANIAL HEMATOMA MINIMALLY INVASIVE SURGERY

Abstract: Source: CN204410966U Provided is a three-dimensional guide apparatus for an intracranial hematoma minimally invasive surgery used for intracranial hematoma percutaneous external biliary drainage in a neurosurgery department. The three-dimensional guide apparatus is formed by connection among a head ring, a positioning rod, an orientating rod, a sliding block and a guiding card. After the positioning rod, the orientating rod and the head ring is combined, a directional plane and a head ring plane, vertical to each other, are formed. Guiding operation is achieved by adjusting the height of the sliding block of the positioning rod and inserting the guiding card. The three-dimensional guide apparatus for the intracranial hematoma minimally invasive surgery has following beneficial effects: accurate positioning is achieved in an intracranial hematoma minimally invasive surgery and approach direction does not deviate; and precise guiding operation is performed to the maximum degree.

Classifications:

International (IPC 8-9): A61B19/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN204410966 U	20150624	CN201420400548U	20140721

Priority:

CN201420400548U 20140721

Probable Assignee:

HE CHENGBIAO

Assignee(s): (std):

HE CHENGBIAO

Inventor(s): (std):

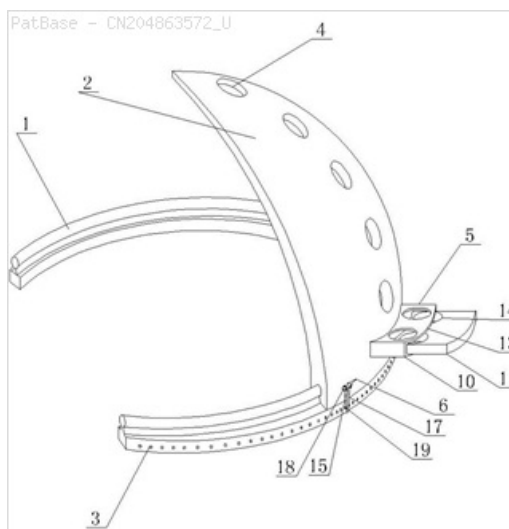
HE CHENGBIAO

31) Family number: 60521200 (CN204863572U)

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Title: CRANIUM BRAIN POSTOPERATIVE CARE DEVICE

Abstract: Source: CN204863572U The utility model provides a cranium brain postoperative care device, relates to neurosurgery intensive care therapy apparatus field, including arc guide rail (1) and arc backplate (2), the top of arc guide rail (1) and the bottom sliding connection of arc backplate (2), arc guide rail (1) whole shape is the major arc, and its bottom sets up a plurality of locator card hole (3), the vertical section of arc backplate (2) is less than 90 degrees minor arc for the angle, arc backplate (2) go up to open has a plurality of through -holes to form drainage tube hole (4), the bottom in the arc backplate outside sets up the beam tube and buckles (5), the bottom of arc backplate still is equipped with location clamping (6), the use matches for location clamping and locator card hole. The utility model discloses can be at the curved safety cover of neurosurgery severe patients's cephalization, avoid because of the collision, weigh down the unexpected condition such as thing to the injury of patient's head, can also carry out the branch hole to the ICP probe of patient's head and drainage tube and comb, support and concentrate to prick and restraint fixedly, make the pipeline keep away from patient's scalp.

Classifications:**International (IPC 8-9):** A61F5/00 A61G7/05 (Advanced/Invention)**Family:**

Publication number	Publication date	Application number	Application date
CN104958127 A	20151007	CN201510382582	20150702
CN204863572 U	20151216	CN201520469040U	20150702

Priority:

CN201510382582 20150702 CN201520469040U 20150702

Probable Assignee: UNIV JILIN**Assignee(s):** (std): JILIN UNIV ; UNIV JILIN**Inventor(s):** (std): JIN XINGYI ; LI DONGYUAN ; LIU NAIJIE ; QIN ZHIGANG ; SUN LIBO ; ZHAO CONGHAI ; ZHAO HANG ; ZHAO RUI