

Search query (10): [SP]: cubital tunnel infomatic monitor a device, system and method for monitoring cubital tunnel syndrome ("cuts"). the device comprises a body configured to be worn by a user, sensors, a processor, a vibration mechanism, and a power source. the sensors monitor a position of the user's hand to prevent cuts. the processor of the device is configured to determine if the user's hand is in a cuts position and the processor is configured to generate an alert signal to alert the user to the cuts position.

Results: 34

Search history

Search electromiografia (Results 248)

1:

Search electromyography (Results 6852)

2:

Search 2 and glove (Results 267)

3:

Search 3 and prevention (Results 56)

4:

Search 4 and tunnel (Results 17)

5:

Search prevention and CARPAL and TUNNEL and SYNDROME (Results 3355)

6:

Search 6 and glove (Results 111)

7:

Search 7 and monitor (Results 35)

8:

Search [SP]: cts pep prevention educational products carpal tunnel syndrome (cts) and cumulative trauma disorders (ctd's, also known by other names such as repetitive stress injuries [rsi's] and other such names, have emerged as a significant occupational health problem. the present invention is to provide systems, devices, products, methods and software programs, which will remind individuals, such as keyboard operators, on a regularly scheduled basis, and to recommend certain preventive exercises and the like. once the system and the software is designed and implemented, a study will then be instituted to measure its effectiveness in workplaces, especially those that have experienced a high incidence of problems such as carpal tunnel syndrome. the recommendations for specific actions, such as posture and exercises, will be based on work already established in the medical and occupational literature and journals, as well as the continuous research conducted by medical experts in the field. the development of a relatively inexpensive method of controlling, reducing and preventing the incidence of these disorders is important to prevent injuries and to save money on insurance premiums, payments to injured workers, loss of productivity, loss of productive workers from the workplace as well as the need to retrain injured workers. furthermore, the invention relates to an electronic device or chip that would act as the heart of the above system, and could be used as an embedded chip in various products. (Results 20)

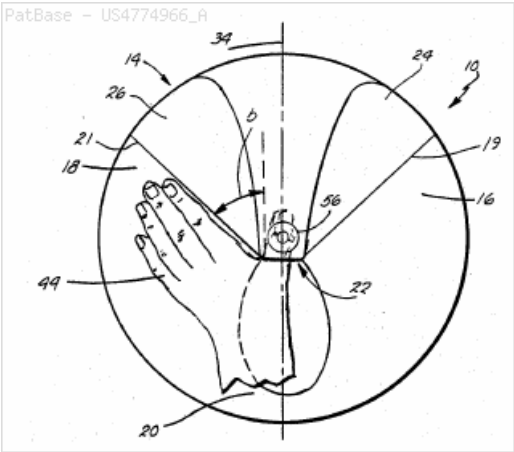
Search [SP]: cubital tunnel infomatic monitor a device, system and method for monitoring cubital tunnel syndrome ("cuts"). the device comprises a body configured to be worn by a user, sensors, a processor, a vibration mechanism, and a power source. the sensors monitor a position of the user's hand to prevent cuts. the processor of the device is configured to determine if the user's hand is in a cuts position and the processor is configured to generate an alert signal to alert the user to the cuts position. (Results 34)

Title: Carpal tunnel syndrome screening device

Abstract: A carpal tunnel syndrome screening device for measuring the strength of or combined force vector generated by the intrinsic hand muscles innervated by the median nerve after is passes through the carpal tunnel includes a base defining a palm support or rest surface and a thumb guide surface. The surfaces are configured to position the thumb of the user for movement in a substantially vertical plane with the thumb positioned at an angle of approximately 45 DEG with respect to the index finger. The device further includes a thumb receiving cradle and a cradle support structure. A force transducer operatively connected to the cradle measures the force created by movement of the thumb. The device provides an objective indication of the presence of carpal tunnel syndrome.

Classifications:

International (IPC 8-9): A61B5/22 (Advanced/Invention);
A61B5/22 (Core/Invention)
International (IPC 1-7): A61B5/10
CPC: A61B5/225
European: A61B5/22D2
US: 128/774 600/587 73/379 73/379.02



Family:

Publication number	Publication date	Application number	Application date
US4774966 A	19881004	US19860930320	19861112

Priority:

US19860930320 19861112

Probable Assignee:

LEMMEN ROGER D

Assignee(s): (std):

LEMMEN ROGER D

Inventor(s): (std):

LEMMEN ROGER D

Title: Glove for prophylaxis of carpal tunnel syndrome

Abstract: A glove effective for preventing or inhibiting carpal tunnel syndrome has a pad disposed therein for protecting the median nerve of a wearer's hand. In a preferred embodiment the pad is secured to the glove body and extends from near the wrist opening of the glove to about the center of the portion of the glove which covers the palm. The pad is made of a resilient flexible material such as foam rubber which is effective to provide protection from vibrations and shocks. Such a glove is light-weight, allows considerable freedom for the fingers and wrist, yet protects the part of the hand between the ball of the thumb and the palm heel from the type of stress which can produce carpal tunnel syndrome.

Classifications:

International (IPC 8-9): A61F13/10 A61H7/00 (Advanced/Invention);

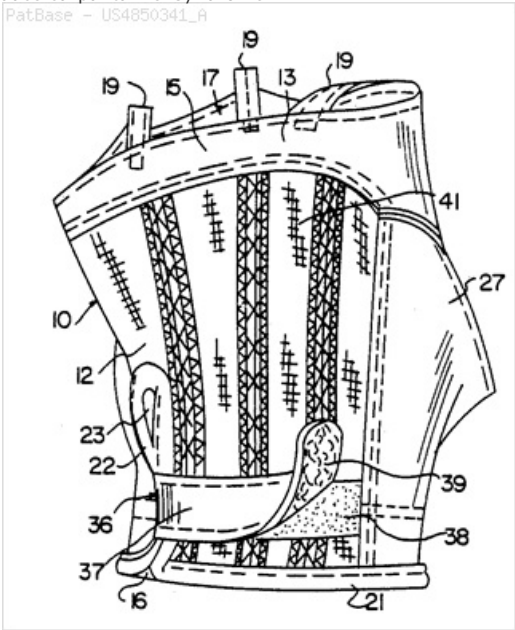
A61F13/10 (Core/Invention)

International (IPC 1-7): A61H7/00

CPC: A61F13/104

European: A61F13/10H

US: 128/44 128/77 2/161R 601/40 602/21



Family:

Publication number	Publication date	Application number	Application date
CA1288199 A1	19910903	CA19880563179	19880331
US4850341 A	19890725	US19870040441	19870416

Priority:

US19870040441 19870416 CA19880563179 19880331

Probable Assignee: AMERICAN NATIONAL BANK AND TRUST CO

Assignee(s): (std): FABRY JOHN J ; MILSON BERTRAM I

Assignee(s): AMERICAN NATIONAL BANK AND TRUST CO

Inventor(s): (std): FABRY JOHN J ; MILSON BERTRAM I

Agent(s): BAKER HAROLD C

Title: Pad for preventing carpal tunnel syndrome

Abstract: A cushion pad (26) for preventing carpal tunnel syndrome is adapted to be placed between the grip or shaft of a tool (14) and a hand (12). The cushion pad (26) includes a recess (28) within a predetermined size range for protecting the median nerve (24) by eliminating gripping pressure thereon. The cushion pad (26) may be configured as a cylindrical grip attached to the tool (14) or as a hand glove (40) to be placed on the hand (12) prior to grasping the tool (14). The cushion pad (26) may include positioning flanges (32, 34, 38) for positioning the median nerve (24) over the recess (28).

Classifications:

International (IPC 8-9): A41D13/08 A41D19/015 A47B95/02 A61F13/10 A61F5/01 A61F5/30 B25G1/02 (Advanced/Invention); A41D19/015 A61F13/10 A61F5/01 B25G1/00 (Core/Invention)

International (IPC 1-7): A41D13/08 A41D13/10 A41D19/015 A47B95/02 A61F13/10 A61F5/04 B25G1/02 B25G1/10

CPC: A61F5/0118 A61F5/30 A61F13/10

European: A61F13/10 A61F5/01D1F A61F5/30

US: 128/878 128/879

PatBase - US5031640_A

U.S. Patent July 16, 1991 Sheet 1 of 3 5,031,640

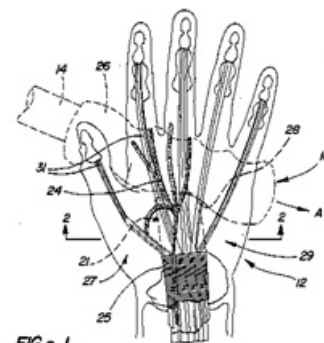


FIG - 1

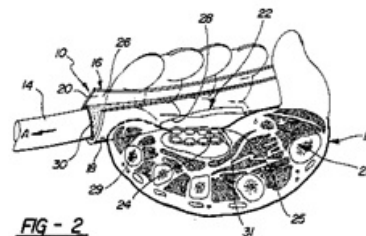


FIG - 2

Family:

Publication number	Publication date	Application number	Application date
AT122870 E	19950615	AT19900121047T	19901102
CA2028015 AA	19910523	CA19902028015	19901019
CA2028015 C	20020430	CA19902028015	19901019
DE69019714 D1	19950629	DE19906019714	19901102
DE69019714 T2	19950921	DE19906019714T	19901102
DK0437692 T3	19951002	DK19900121047T	19901102
EP0437692 A2	19910724	EP19900121047	19901102
EP0437692 A3	19920429	EP19900121047	19901102
EP0437692 B1	19950524	EP19900121047	19901102
ES2075113 T3	19951001	ES19900121047T	19901102
JP3034591 B2	20000417	JP19900313799	19901119
JP3170276 A2	19910723	JP19900313799	19901119
US5031640 A	19910716	US19890440644	19891122

Priority:

US19890440644 19891122 CA19902028015 19901019

Probable Assignee: SHOCK TEK LLC

Assignee(s): (std): SPITZER A ROBERT ; SPITZER ROBERT ; SPITZER ROBERT DR ; ROBAATO SUPITSUTSUA

Assignee(s): SHOCK TEK LLC ; MILLER JOHNSON SNELL AND CUMMISKEY PLC ; SPITZER ROBERT DR BLOOMFIELD MICH US

Inventor(s): (std): ROBAATO SUPITSUTSUA ; SPITZER A ROBERT ; SPITZER ROBERT DR ; SPITZER ROBERT

Inventor(s): SPITZER ROBERT DR BLOOMFIELD MICH US

Agent(s): SMART AND BIGGAR

Designated states: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

Title: Method of alleviating carpal tunnel syndrome

Abstract: This invention relates to a neuromuscular therapeutic method for the relief of pain associated with carpal tunnel syndrome in humans, comprising soft tissue manipulation, deep tissue manipulation and nerve entrapment manipulation, generally applied in forearm and hand massage and manipulation which is effective in reducing the pain known and associated with the medical term carpal tunnel syndrome.

Classifications:

International (IPC 8-9): A61H7/00 (Advanced/Invention);

A61H7/00 (Core/Invention)

International (IPC 1-7): A61H7/00

CPC: A61H7/00

European: A61H7/00

US: 128/898 601/33 601/40



Family:

Publication number	Publication date	Application number	Application date
US5501657 A	19960326	US19950380104	19950130

Priority:

US19950380104 19950130

Probable Assignee:

FEERO ANDREW A

Assignee(s): (std):

FEERO ANDREW A

Inventor(s): (std):

FEERO ANDREW A

Title: Method and apparatus for preventing injury to an electronic computer keyboard operator

Abstract: The keystroke resistance and keystroke length of an electronic QWERTY style keyboard for personal computers and other electronic devices are increased to at least one hundred grams and ten millimeters, respectively, to reduce the incidence of carpal tunnel syndrome and other injuries associated with repetitive movements in long term keyboard operation.

Classifications:

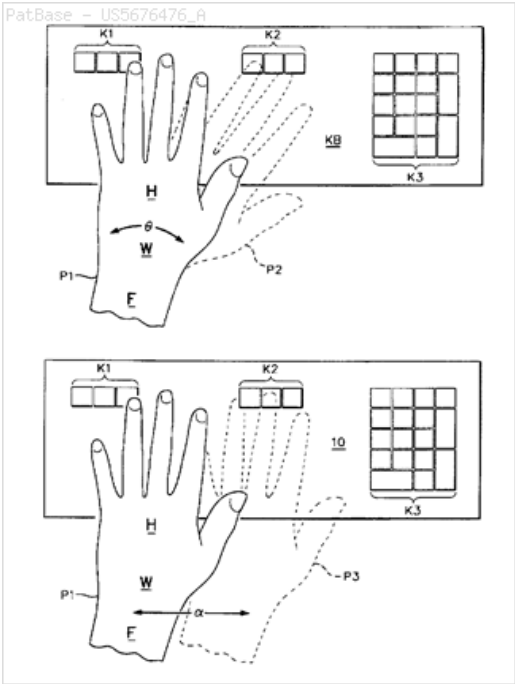
International (ipc 8-9): G06F3/023 H01H13/70 (Advanced/Invention); G06F3/023 H01H13/70 (Core/Invention)

International (ipc 1-7): B41J5/26 H03K17/94 H03M11/00

CPC: H01H13/70 H01H2217/044 H01H2227/028 H01H2227/032 G06F3/023 H01H2227/034 H01H2235/002

European: G06F3/023 H01H13/70 T01H217/044 T01H227/028 T01H227/032 T01H227/034 T01H235/002

US: 200/515 341/34 400/472 400/489 400/491.2



Family:

Publication number	Publication date	Application number	Application date
AU199714607 A1	19970703	AU19970014607	19961213
AU200024758 A1	20001218	AU20000024758	19991203
AU200024758 A5	20001218	AU20000024758	19991203
US5676476 A	19971014	US19950572091	19951214
US6791480 BA	20040914	US19980205031	19981204
WO0073078 A1	20001207	WO1999US28691	19991203
WO9721547 A1	19970619	WO1996US18835	19961213

Priority:

US19950572091 19951214 WO1996US18835 19961213 US19980205031 19981204
WO1999US28691 19991203

Probable Assignee: STEWART ERNEST B

Assignee(s): (std): ALAN K UKE ; STEWART ERNEST B ; UKE ALAN K

Inventor(s): (std): STEWART ERNEST B ; UKE ALAN K

Inventor(s): ALAN K UKE ; ERNEST B STEWART

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

Title: METHODS FOR THE ASSESSMENT OF NEUROMUSCULAR FUNCTION BY F-WAVE LATENCY

Abstract: Methods are provided for the assessment of neuromuscular function by F-wave latency. Stimuli are applied to a nerve that traverses a wrist or an ankle joint of an individual. Stimulation of the nerve causes a muscle innervated by that nerve to respond, thereby generating a myoelectric potential. One component of the myoelectric potential is the F-wave component. The F-wave latency between application of the stimulus and the detection of the myoelectric potential is used to provide an assessment of a neuromuscular function of the nerve and/or muscle.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/04 A61B5/0488

A61B5/0492 A61B5/05 A61B5/11 (Advanced/Invention);

A61B5/00 A61B5/04 A61B5/05 (Advanced/Non-invention);

A61B5/00 A61B5/04 A61B5/0488 A61B5/05

A61B5/11 (Core/Invention);

A61B5/00 A61B5/04 A61B5/05 (Core/Non-invention)

International (IPC 1-7): A61B5/0488 A61B5/0492 A61B5/05

A61B5/11 A61N1/18 A67B5/05

CPC: A61B5/7239 A61B5/7217 A61B5/04004 A61B2560/0252

A61B5/6825 A61B2505/05 A61B5/6829 A61B2562/063

A61B2562/166 A61B2560/0412 A61B5/1106 A61B5/05 A61B5/6824

A61B5/0492 A61B5/742 A61B5/4041 A61B5/0488 A61B5/04001

European: A61B5/0488 A61B5/0492 A61B5/04B A61B5/04J

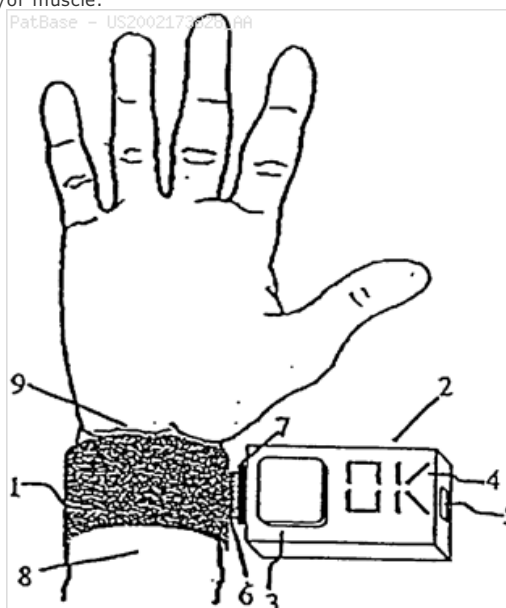
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US: 600/382 600/383 600/384 600/385 600/386 600/387 600/388

600/389 600/390 600/391 600/392 600/393 600/395 600/483

600/546 600/546S 600/547 600/554 600/554P 600/555 600/557

600/595 607/48 607/48P

**Family:**

Publication number	Publication date	Application number	Application date
AT375116 E	20071015	AT19980931451T	19980622
AU199881579 A1	19990125	AU19980081579	19980622
AU2002100822 AD	20030320	AU20020100822	20021018
AU2002247116 AA	20020904	AU20020247116	20020214
AU750315 B2	20020718	AU19980081579	19980622
CA2295132 AA	19991224	CA19982295132	19980622
CA2295132 C	20040914	CA19982295132	19980622
DE69838549 D1	20071122	DE19986038549	19980622
EP0993270 A1	20000419	EP19980931451	19980622
EP0993270 B1	20071010	EP19980931451	19980622
EP1367939 A2	20031210	EP20020714878	20020214
EP1367939 A4	20060531	EP20020714878	20020214
JP2001509721 T2	20010724	JP19990507212T	19980622
JP2004261606 A2	20040924	JP20040112602	20040406
JP3657277 B2	20050608	JP19990507212T	19980622
JP4324001 B2	20090902	JP20040112602	20040406
US2002173828 AA	20021121	US20020137504	20020430
US2002183647 AA	20021205	US20020075217	20020214
US2006020222 AA	20060126	US20050076789	20050309
US2006100540 AA	20060511	US20040780118	20040217
US2006217631 AA	20060928	US20050265027	20051102
US2009030337 AA	20090129	US20080077077	20080314
US2010249643 AA	20100930	US20090653114	20091208
US2011071421 AA	20110324	US20100803785	20100706
US5851191 A	19981222	US19970886861	19970701
US5976094 A	19991102	US19980022990	19980212
US6132386 A	20001017	US19990270550	19990316
US6132387 A	20001017	US19990270555	19990316
US6146335 A	20001114	US19990270551	19990316
US6379313 BA	20020430	US20000625502	20000726
US6692444 BB	20040217	US20020137504	20020430
US7628761 BB	20091208	US20020075217	20020214
US7749171 BB	20100706	US20050076789	20050309
US8326410 BB	20121204	US20050265027	20051102
WO02065906 A2	20020829	WO2002US04204	20020214
WO02065906 A3	20020926	WO2002US04204	20020214
WO02065906 C2	20021212	WO2002US04204	20020214
WO05086930 A2	20050922	WO2005US08048	20050309
WO05086930 A3	20070208	WO2005US08048	20050309
WO9901064 A1	19990114	WO1998US12922	19980622

Priority:

US19970886861	19970701	US19980022990	19980212	AU19980081579	19980622
JP19990507212	19980622	WO1998US12922	19980622	US19990270550	19990316
US19990270555	19990316	US19990270551	19990316	US20000625502	20000726

US20010269126P	20010215	US20020075217	20020214	WO2002US04204	20020214
US20020137504	20020430	US20040780118	20040217	US20040551556P	20040309
US20040624259P	20041102	US20050076789	20050309	US20050265027	20051102
US20080077077	20080314	US20090653114	20091208	US20100803785	20100706

Probable Assignee: NEUROMETRIX INC

Assignee(s): (std): BANSAL PANSY ; GOZANI SHAI N ; KONG XUAN ; MEYER ANN PAVLIK ; NEIMARK MATTHEW A ; NEUMETRIX INC ; NEUROMETRIX INC ; WELLS MARTIN D

Inventor(s): (std): NEIMARK MATTHEW A ; SHAI N GOZANI ; WELLS MARTIN D ; MEYER ANN PAVLIK ; KONG XUAN ; GOZANI SHAI N ; BANSAL PANSY ; GOZANI SHAI ; KASSEM SALIM

Inventor(s): NEIMARK MATTHEW

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SMART AND BIGGAR; MARK J PANDISCIO PANDISCIO AND PANDISCIO PC; MARK J PANDISCIO PANDISCIO AND PANDISCIO; MARK J PANDISCIO; PANDISCIO AND PANDISCIO PC; PANDISCIO AND PANDISCIO

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 SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: Glove for preventing carpal tunnel syndrome

Abstract: A glove assembly (20) adapted to inhibit or prevent carpal tunnel syndrome includes a flexible glove body (22) having a front side (24) and a back side (26) which defines a wrist opening (28) and at least one finger opening (30). The glove assembly (20) further includes a resilient protector (32), secured to the front side (24) of the glove body (22), for preventing the application of pressure to a median nerve. The resilient protector (32) defines a recess (36) extending substantially parallel with both sides (38) of the median nerve. It is also interrupted along its extent thereby imparting greater flexibility and ease of movement to a wearer of the glove assembly (20). A grip is also disclosed which includes a resilient protector interrupted along its extent.

Classifications:

International (IPC 8-9): A41D19/00 A61F13/10 A61F5/01

A61F5/30 (Advanced/Invention);

A61L27/14 (Advanced/Non-invention);

A61F13/10 A61F5/01 (Core/Invention);

A61L27/00 (Core/Non-invention)

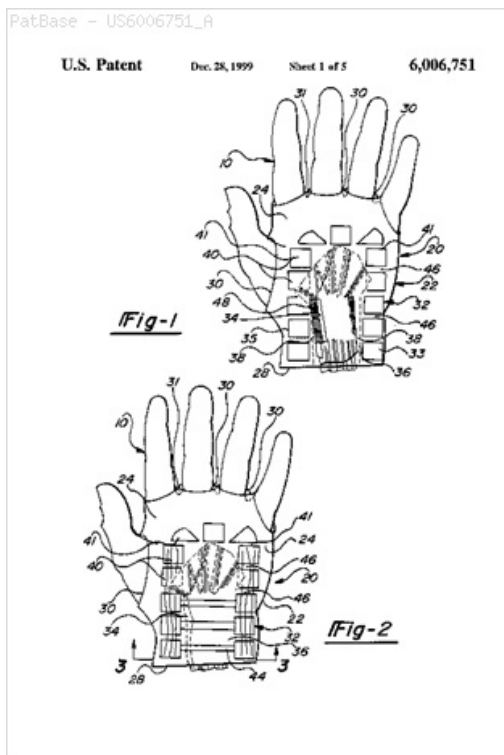
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A61F5/37 A63B71/14

CPC: A61F5/0118 A61F5/30 A61F13/107

European: A61F13/10T A61F5/01D1F A61F5/30

US: 128/878 602/20 602/21



Family:

Publication number	Publication date	Application number	Application date
AT294554 E	20050515	AT19990305795T	19990722
AU199888424 A1	20000217	AU19980088424	19981009
AU199888424 A5	20000217	AU19980088424	19981009
AU746213 B2	20020418	AU19980088424	19981009
CA2278389 AA	20000122	CA19992278389	19990722
CA2278389 C	20081118	CA19992278389	19990722
DE69925077 D1	20050609	DE19996025077	19990722
DE69925077 T2	20060302	DE19996025077T	19990722
EP0988841 A2	20000329	EP19990305795	19990722
EP0988841 A3	20010103	EP19990305795	19990722
EP0988841 B1	20050504	EP19990305795	19990722
ES2241242 T3	20051016	ES19990305795T	19990722
US6006751 A	19991228	US19980121080	19980722

Priority:

US19980121080 19980722 CA19992278389 19990722

Probable Assignee: SHOCK TEK LLC

Assignee(s): (std): A ROBERT SPITZER ; SPITZER A ROBERT ; SPITZER ALEXANDER ROBERT ; SPITZER ROBERT A

Assignee(s): MILLER JOHNSON SNELL AND CUMMISKEY PLC ; SHOCK TEK LLC ; SHOCK TEK LLC MICHIGAN VENTURE ENTERPRISES

Inventor(s): (std): A ROBERT SPITZER ; SPITZER A ROBERT ; SPITZER ALEXANDER ROBERT

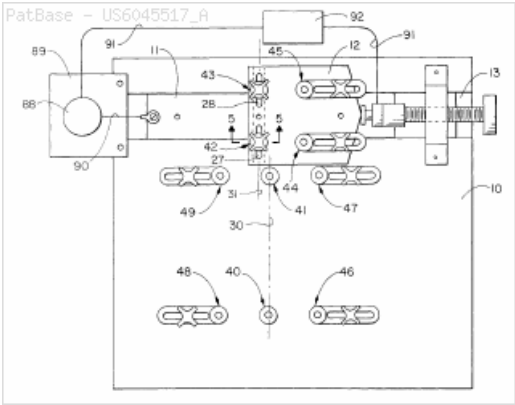
Agent(s): LORD AND CO; BORDEN LADNER GERVAIS LLP

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

Title: DIAGNOSTIC APPARATUS AND METHOD FOR EVALUATION OF CARPAL TUNNEL SYNDROME

Abstract: This invention is a diagnostic device for measuring the extensibility of certain key carpal ligaments so as to determine the tendency of the subject to carpal tunnel damage. It consists of a structure to secure the arm and hand in a predetermined position on a stationary platform and the metacarpals of the hand in a predetermined position on a carriage moveable relative to the platform, so that the radius and ulnar bones of the forearm may be aligned in a fixed plane parallel with the moveable plane of the metacarpals of the hand. Once secure, a force is applied to the carriage in a dorsal direction perpendicular to the metacarpal plane, so as to measure the metacarpal glide. This force places stress on the ligaments of the volar joint between the proximal and distal carpal row, and resulting displacement, tension, and creep strength values are measured by a load cell and a lineometer. Using these values, the following can be determined: (1) extent of volar carpal ligament contracture and deformity; (2) requirements of ligament retraining; (3) diagnostic criteria for predicting carpal tunnel syndrome; and (4) values to assist health professionals in determining whether or not surgery for decompressing peripheral neuropathy is warranted.

Classifications:
International (IPC 8-9): A61B5/103 (Advanced/Invention);
A61B5/103 (Core/Invention)
International (IPC 1-7): A61B5/103
CPC: A61B5/6824 A61B5/6825 A61B2562/0252 A61B5/4533
A61B5/103 A61B5/4528
European: A61B5/103 A61B5/45K A61B5/45M
US: 600/587 600/595



Family:

Publication number	Publication date	Application number	Application date
US6045517 A	20000404	US19980056512	19980407

Priority:
US19960709857 19960910 US19980056512 19980407

Probable Assignee: WILLIAMS GEORGE ROGER

Assignee(s): (std): WILLIAMS GEORGE ROGER

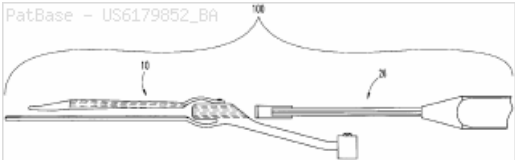
Inventor(s): (std): WILLIAMS GEORGE ROGER

Title: Carpal tunnel device and method

Abstract: A carpal tunnel device and method for performing carpal tunnel release surgery is provided. The carpal tunnel device includes a carpal ligament capture clip and a knife, useable therewith. The carpal tunnel capture clip includes a handle, a body portion and upper and lower skids. A central guide channel extends through the body portion of the capture clip. Channels located in the skids are aligned with the central guide channels. Under anesthesia an incision is made in a patient's palm. The carpal ligament capture clip is placed into the palm, facing towards the wrist with the upper and lower skids straddling the transverse carpal ligament. The capture clip is then advanced towards the wrist until the distal ends of the upper and lower skids extend beyond the carpal ligament and the carpal ligament is entrapped between the portions of the skids containing the upper and lower guide channels. At that time the knife blade is introduced through the central guide channel and advanced into the upper and lower guide channels. The knife, bounded by the clip on all sides, is advanced until the transverse carpal ligament is completely divided. The capture clip and knife are removed. The incision is closed and an appropriate dressing is applied.

Classifications:

International (IPC 8-9): A61B17/32 (Advanced/Invention);
A61B17/32 (Core/Invention)
International (IPC 1-7): A61B17/32
CPC: A61B17/320036 A61B2017/320052
European: A61B17/32E4 K61B17/32K
US: 606/167 606/185



Family:

Publication number	Publication date	Application number	Application date
US6179852 BA	20010130	US19990241818	19990201

Priority:

US19990241818 19990201

Probable Assignee: BIOMET INC

Assignee(s): (std): BIOMET INC

Assignee(s): BIOMET MFG ; BIOMET MFG CORP ; LVB ACQUISITION INC ; BIOMET MFG LLC ; BANK OF AMERICA NA ; BANK OF AMERICA NA ADMINISTRATIVE AGENT FOR SECURE ; BANK OF AMERICA NA ADMINISTRATIVE AGENT FOR SECURED PARTIES AS

Inventor(s): (std): BERELSMAN BRIAN K ; STRICKLAND JAMES W

Title: SYTEMS FOR THE PREVENTION OR TREATMENT OF CARPAL TUNNEL SYNDROME

Abstract: Apparatuses and methods for preventing and/or treating carpal tunnel syndrome are disclosed. One such apparatus comprises a splint (20) for wearing on a portion of an upper extremity of an individual, a warning mechanism (16, 19) carried by the splint and a switch mechanism carried by the splint and electrically coupled to the warning mechanism. The switch mechanism (15) is operable to activate the warning mechanism upon extension or flexion of the hand beyond a predetermined range of motion and thereby alert the user of such undesirable motion of the band.

Classifications:

International (IPC 8-9): A61B5/11 A61F5/02 A63B23/16

A63B69/00 (Advanced/Invention);

A63B24/00 (Advanced/Non-invention)

International (IPC 1-7): A61F5/02 A63B23/14 A63B69/00 G01H11/00

CPC: A61B5/1125 A61B5/6825 A63B23/16 A63B2071/0625

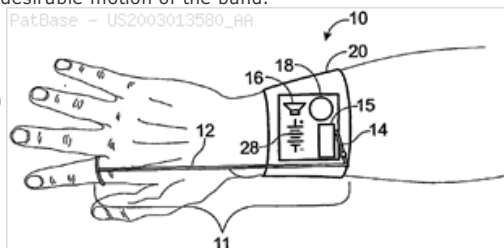
A63B2071/0627 A63B2220/13

European: A61B5/11U2 A61B5/68B2J A63B23/16 K63B220/13

K63B71/06D2A K63B71/06D2A2

US: 400/704 473/213 482/45 482/45P 482/46 482/46S 482/8 601/33

601/4 601/40 601/40S 601/5 601/5S 602/23 602/23S



Family:

Publication number	Publication date	Application number	Application date
AU2001236791 AA	20010820	AU20010236791	20010209
AU200136791 A1	20010820	AU20010036791	20010209
AU200136791 A5	20010820	AU20010036791	20010209
CA2399465 AA	20020809	CA20012399465	20010209
EP1259301 A1	20021127	EP20010908993	20010209
JP2003522005 T2	20030722	JP20010557643T	20010209
US2003013580 AA	20030116	US20020182850	20020801
US6852067 BB	20050208	US20020182850	20020801
WO0158538 A1	20010816	WO2001US04138	20010209
WO0158538 C2	20021024	WO2001US04138	20010209

Priority:

US20000181210P 20000209 US20000181899P 20000211 US20000242092P 20001023
 WO2001US04138 20010209 US20020182850 20020801

Probable Assignee: NEUROSPECTRUM LLC

Assignee(s): (std): LIMONADI FARHAD M

Assignee(s): NEUROSPECTRUM LLC ; FARHAD M LIMONADI

Inventor(s): (std): LIMONADI FARHAD M

Inventor(s): FARHAD M LIMONADI

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP

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

Title: Therapeutic infrared energy wrist cover

Abstract: A therapeutic infrared emitting wrist cover 12 that provides a wrist cover 12, constructed for placement over a human wrist 10, that contains an infrared energy generating system 14. The wrist cover 12 emits infrared energy into the wrist 10 at a localized area corresponding to the carpal tunnel for the purpose of providing therapeutic heat inside the wrist 10 in order to relieve the symptoms and to prevent further trauma associated with carpal tunnel syndrome.

Classifications:

International (IPC 8-9): A61F7/02 (Advanced/Invention);

A61F7/00 (Advanced/Non-invention);

A61F7/02 (Core/Invention);

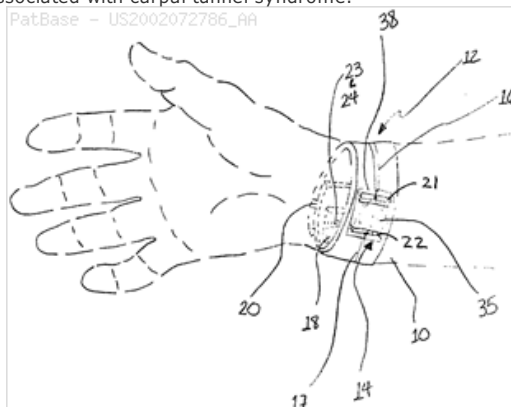
A61F7/00 (Core/Non-invention)

International (IPC 1-7): A61B18/18 A61F2/00 A61N

CPC: A61F7/02 A61F2007/0035 A61F2007/0086 A61F2007/0088

European: A61F7/02 A61F7/04A K61F7/00A4G K61F7/00G K61F7/00J

US: 606/10 607/100 607/88



Family:

Publication number	Publication date	Application number	Application date
AU2002239635 AA	20020624	AU20020239635	20011213
US2002072786 AA	20020613	US20000736544	20001213
US6510346 BB	20030121	US20000736544	20001213
WO0247758 A2	20020620	WO2001US48913	20011213
WO0247758 A3	20020829	WO2001US48913	20011213

Priority:

US20000736544 20001213 WO2001US48913 20011213

Probable Assignee: GORDAN LAWRENCE D

Assignee(s): (std): GORDAN LAWRENCE D ; GORDON LAWRENCE

Assignee(s): LAWRENCE GORDON

Inventor(s): (std): GORDON LAWRENCE

Inventor(s): LAWRENCE GORDON

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 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 LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Title: POSITION/POSTURE SENSOR OR MARKER ATTACHMENT APPARATUS

Abstract: An attachment apparatus capable of attaching a position/posture sensor for detection of hand and a speaker, used in a virtual reality apparatus, a mixed reality apparatus and the like, to an observer's hand in a preferable state. The attachment apparatus has a structure where first ring 6 to which a position/posture sensor 2 is attached, a second ring 5 to which a speaker 1 is attached, and a band-shaped connection member 7 which connects the first and second rings with each other.

Classifications:

International (IPC 8-9): G01B21/00 G01B21/22 G06F3/00 G06F3/01 G06F3/02 G09G5/08 (Advanced/Invention);

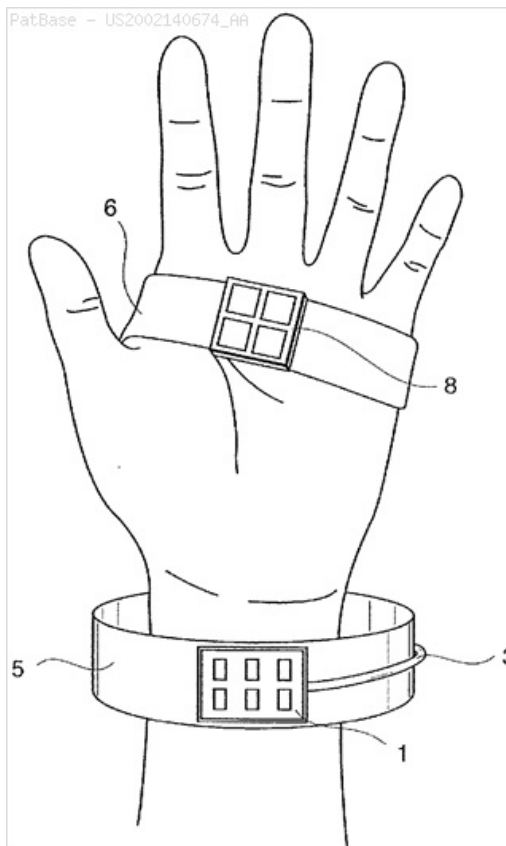
G01B21/00 G01B21/22 G06F3/00 G06F3/01 G06F3/02 G09G5/08 (Core/Invention)

International (IPC 1-7): G01B21/00 G01B21/22 G06F3/00 G06F3/02 G09G5/08

CPC: G06F3/014

European: G06F3/00B8H G06F3/01B6

US: 340/686.1 345/158



Family:

Publication number	Publication date	Application number	Application date
JP2002268792 A2	20020920	JP20010071119	20010313
JP3397772 B2	20030421	JP20010071119	20010313
US2002140674 AA	20021003	US20020093515	20020311

Priority:

JP20010071119 20010313

Probable Assignee: CANON INC

Assignee(s): (std): CANON KK

Assignee(s): CANON INC ; CANON KABUSHIKI KAISHA

Inventor(s): (std): MORITA KENJI ; OKUNO YASUHIRO

Title: ADJUSTABLE APPARATUS AND METHOD FOR TREATING CARPAL TUNNEL SYNDROME

Abstract: The apparatus of the present invention stretches the carpal ligament and the flexor retinaculum, as well as the superficial structures and muscles of the hand, in a safe manner under precise control of the patient or a healthcare professional. Various embodiments of the inventive apparatus commonly include a housing for receiving the hypothenar portion of the patient's hand with an open side portion adapted and configured to contact and retain the hypothenar region of the patient's hand, with an edge of the housing extending along a central longitudinal dorsal portion of the hand, while a flexible resilient strap is wrapped around the thenar portion of the hand (i.e. around the thumb area) in such a manner as to pull the thenar portion of the hand upward with the edge of the housing serving as a fulcrum around which the thenar and hypothenar portions of the hand are bent. The strap is then secured to itself or to the housing to keep the thenar and hypothenar portions pulled apart during the course of treatment. The bending of the thenar and hypothenar regions of the hand around the fulcrum cause the carpal ligament and the flexor retinaculum to stretch expanding the carpal tunnel and relieving pressure on the median nerve.

Classifications:

International (IPC 8-9): A61F5/00 A61F5/01 (Advanced/Invention);

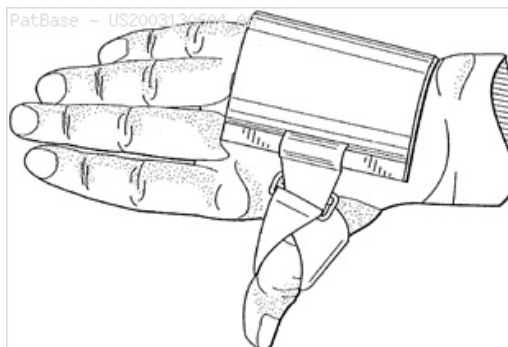
A61B18/20 A61B19/00 (Advanced/Non-invention)

International (IPC 1-7): A61B18/20 A61F5/01 A61F5/37 A61H39/04

CPC: A61B90/02 A61F5/0118 A61B18/20

European: A61F5/01D1F K61B18/20 K61B19/24

US: 128/878 602/20 602/21 602/21P 606/204 606/204S

**Family:**

Publication number	Publication date	Application number	Application date
EP1463470 A1	20041006	EP20020796431	20020827
US2003130604 AA	20030710	US20020228739	20020827
US7344511 BB	20080318	US20020228739	20020827
WO03017887 A1	20030306	WO2002US27125	20020827
WO03017887 C2	20040506	WO2002US27125	20020827

Priority:

US20010315182P 20010827

US20020228739 20020827

WO2002US27125 20020827

Probable Assignee: PORRATA GROUP LLC

Assignee(s): (std): M D BROTHERS INC ; PORRATA GROUP LLC ; PORRATA HUMBERTO LUIS ; PORRATO ALEJANDRO ALBERTO

Assignee(s): MD BROTHERS INC ; PORRATA ALEJANDRO ALBERTO

Inventor(s): (std): PORRATA ALEJANDRO ALBERTO ; PORRATA HUMBERTO LUIS ; PORRATO ALEJANDRO ALBERTO

Agent(s): WATTS ALLAN; BRYAN CAVE LLP; CROWE DANIEL A; ALLAN; DANIEL A

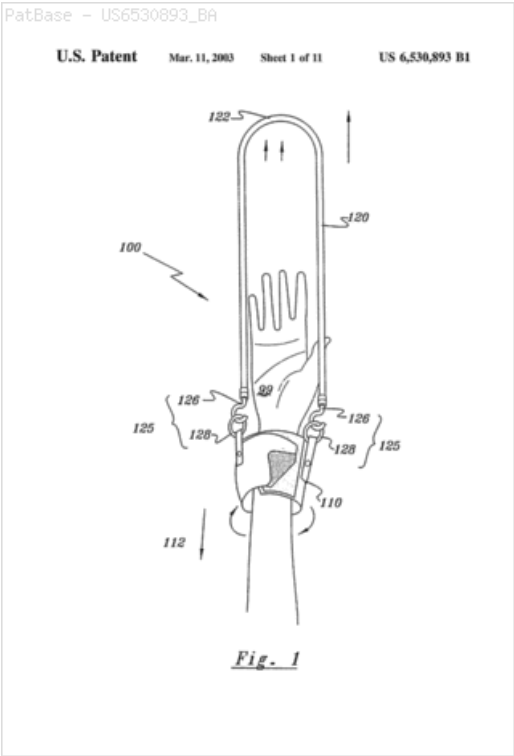
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Title: Carpal tunnel syndrome traction system

Abstract: This invention encompasses, methods, devices and system for prevention and relief of carpal tunnel syndrome in the wrist through the use of traction. The device contains a wrist member, an anchor member connected at one end each of an interconnecting adjustable interface member. The apparatus for applying extremity traction contains a tensioning cable and a retaining device attached to the tensioning cable as well as an anchor member.

Classifications:

International (IPC 8-9): A61F5/01 A61F5/04 A61H1/02 (Advanced/Invention);
A61F5/01 A61F5/04 A61H1/02 (Core/Invention)
International (IPC 1-7): A61F5/00
CPC: A61F5/0118 A61F5/04 A61H1/02 A61H1/0274
European: A61F5/01D1F A61F5/04 A61H1/02 A61H1/02M
US: 602/32 602/36



Family:

Publication number	Publication date	Application number	Application date
US6530893 BA	20030311	US20010824383	20010402

Priority:

US20000199150P 20000425 US20010824383 20010402

Probable Assignee: CASTELLI JUDITH M

Assignee(s): (std): CASTELLI JUDITH M

Inventor(s): (std): CASTELLI JUDITH M

Title: CO-DYNAMIC ADJUSTABLE ORTHOTIC APPLIANCE FOR CARPAL TUNNEL SYNDROME

Abstract: The present invention provides an orthotic appliance for the carpus of a human hand for the treatment of carpal tunnel syndrome using co-dynamic, rather than traditional static or dynamic, techniques. The appliance may apply a 2 pound dorsally directed force about the region of the pisiform bone in the neutral carpal position of a human hand upon co-contraction of the hand and up to 8 pounds dorsally directed during arc of motion in carpal flexion, as the wrist and hand is encouraged to actively move in all planes of motion without negatively affecting the normal activities of daily living. The appliance may comprise a biasing structure for applying the dorsally directed force and a base structure for maintaining the biasing structure in its proper configuration during normal hand motion.

Classifications:

International (IPC 8-9): A61F5/00 A61F5/01

A61F5/02 (Advanced/Invention);

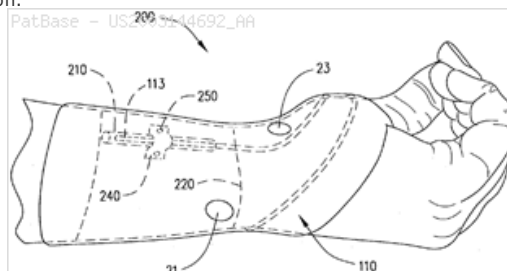
A61F (Subclass/Invention)

International (IPC 1-7): A61B17/12 A61F A61F0/00 A61F5/01 A61H39/04

CPC: A61F5/0118 A61F2005/0179

European: A61F5/01D1F K61F5/01D8S K61F5/01S

US: 601/134 601/134S 602/21 602/64 602/64S 602/75 602/75S 606/204 606/204P



Family:

Publication number	Publication date	Application number	Application date
CA2514248 AA	20050725	CA20042514248	20040128
CN1761434 A	20060419	CN200480007102	20040128
EP1589911 A2	20051102	EP20040706025	20040128
EP1589911 A4	20090408	EP20040706025	20040128
JP2006515797 T2	20060608	JP20060503099T	20040128
MXPA05007972 A1	20060308	MX2005PA07972	20040128
US2003144692 AA	20030731	US20030352837	20030128
US7364559 BB	20080429	US20030352837	20030128
WO04066872 A2	20040812	WO2004US02345	20040128
WO04066872 A3	20050506	WO2004US02345	20040128

Priority:

US20020352299P 20020128

US20030352837 20030128

WO2004US02345 20040128

Probable Assignee: THERAID MFG INC

Assignee(s): (std): GEORGE ROGER WILLIAMS ; THERAID MFG INC ; WILLIAMS GEORGE ROGER

Assignee(s): WILLIAMS GEORGE ROGER ; THERAID MANUFACTURING INC

Inventor(s): (std): GEORGE ROGER WILLIAMS ; WILLIAMS GEORGE ROGER ; WILLIAMS GEORGE ROGER

Agent(s): HILL AND SCHUMACHER; DOERNER SAUNDERS DANIEL AND ANDERSON LLP; HARVEY III JAMES F; JAMES F

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

Title: METHODS FOR THERAPEUTIC TREATMENT OF CARPAL TUNNEL SYNDROME

Abstract: A method of treating and/or preventing carpal tunnel syndrome (CTS) is provided, comprising administering a therapeutically effective amount of a botulinum toxin to a patient in need thereof or a patient at risk for development of CTS. More specifically, the method includes one or more injections of a botulinum toxin over a period of time into one or more muscles of the hand and/or wrist, or directly into the carpal tunnel along the median nerve. Pharmaceutical compositions are provided as are combination therapies with other agents such as anti-inflammatory drugs, growth factors, and agents useful in the treatment of neuropathic pain. The use of the methods of the present invention are also contemplated with other treatment regimens used to treat patients having carpal tunnel syndrome.

Classifications:

International (IPC 8-9): A61F5/00 A61K38/48 A61K39/08 A61K47/48 A61P19/00 (Advanced/Invention)

International (IPC 1-7): A61F5/37 A61K39/08

CPC: A61K47/642 A61K38/4893 A61K38/30

European: A61K38/30 A61K38/48N1 A61K47/48R2F

US: 424/239.1 424/239.100P 602/16 602/20 602/21

Family:

Publication number	Publication date	Application number	Application date
 AU2003234425 AA	20031124	AU20030234425	20030512
 US2004028704 AA	20040212	US20030435504	20030509
 US2008181917 AA	20080731	US20070974510	20071012
 US7300412 BB	20071127	US20030435504	20030509
 WO03094808 A1	20031120	WO2003US15006	20030512

Priority:

US20020379714P 20020510 US20030435504 20030509 WO2003US15006 20030512
US20070974510 20071012

Probable Assignee: HOSPITAL FOR JOINT DISEASES

Assignee(s): (std): BREUER BRENDA ; HOSPITAL FOR JOINT DISEASES ; UNIV NEW YORK ; PAPPAGALLO MARCO

Assignee(s): NEW YORK UNIV ; NEW YORK UNIVERSITY

Inventor(s): (std): BREUER BRENDA ; PAPPAGALLO MARCO ; BREUER BRENDA

Inventor(s): MARCO PAPPAGALLO ; BRENDA BREUER

Agent(s): KLAUBER AND JACKSON; KLAUBER AND JACKSON LLC

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Title: APPARATUS, SYSTEMS AND METHODS FOR DIAGNOSING CARPAL TUNNEL SYNDROME

Abstract: Apparatus, systems, and methods for diagnosing carpal tunnel syndrome ("CTS") are provided. Pressure on the median nerve at the wrist can lead to decreased tactile sensitivity in the fingertips. People with CTS may often experience numbness, tingling, and decreased sensitivity in their finger tips. Compared to a control group, subjects symptomatic of CTS had a greater mean shift (decrease) in tactile sensitivity than the control group when exposed to certain provocations. These provocations include wrist flexion, direct pressure on the transverse carpal ligament area of the wrist, and tendon loading. Additionally, the effects of slight venous occlusion in the forearm were studied. There is an increase in threshold during the recovery period after each provocation. Diagnosis of CTS is provided through monitoring and analysis, preferably with a computer in real-time, of subject's responses to these provocations.

Classifications:

International (IPC 8-9): A61B1/00 A61B5/00 A61B5/103 G06K9/00 H01L21/3205 H01L27/088 H01L29/76 H01L29/78 (Advanced/Invention); A61B1/00 A61B5/00 A61B5/103 G06K9/00 (Core/Invention); A61B (Subclass/Invention)

International (IPC 1-7): A61B5/103

CPC: H01L29/785 H01L21/845 H01L27/10876 H01L27/10879 H01L27/1211 H01L29/66545 H01L29/66795 A61B1/041 A61B5/065 A61B5/4824 A61B5/0051 A61B5/4041 A61B5/4528 A61B5/4827

European: A61B1/00 A61B1/00P7 A61B1/04C A61B5/00M4

A61B5/06E A61B5/48E A61B5/48E2 H01L21/84F H01L27/108M4C2

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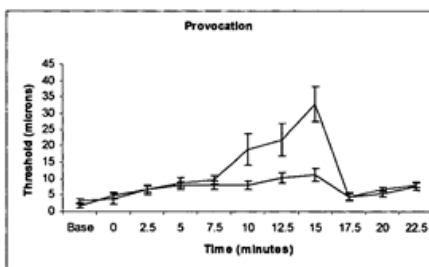
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382/173 382/199 382/203 438/275 438/585 438/585P 600/102

600/102S 600/109 600/117 600/300 600/300P 600/552 600/552P

PatBase - US2006004302_AA



Family:

Publication number	Publication date	Application number	Application date
EP1643906 A2	20060412	EP20040776468	20040610
US2006004302 AA	20060105	US20050142572	20050601
US2006069317 AA	20060330	US20050235541	20050927
US2010166272 AA	20100701	US20100719601	20100308
US2010297838 AA	20101125	US20100852408	20100806
US2013009248 AA	20130110	US20120620282	20120914
US7684599 BB	20100323	US20050235541	20050927
US7885446 BB	20110208	US20100719601	20100308
US8268709 BB	20120918	US20100852408	20100806
US8399922 BB	20130319	US20120620282	20120914
WO05000101 A2	20050106	WO2004US18563	20040610
WO05000101 A3	20050421	WO2004US18563	20040610
WO06035437 A2	20060406	WO2005IL01039	20050927
WO06035437 A3	20090423	WO2005IL01039	20050927

Priority:

US20030478675P	20030612	WO2004US18563	20040610	US20040612792P	20040927
US20040955670	20040929	US20050124572	20050504	US20050142572	20050601
US20050235541	20050927	US20060335103	20060118	US20060355103	20060216
US20100719601	20100308	US20100852408	20100806	US20120620282	20120914

Probable Assignee: GIVEN IMAGING LTD

Assignee(s): (std): DOYLE BRIAN S ; GIVEN IMAGING LTD ; UNIV UTAH RES FOUND ; TUCKETT ROBERT P ; REESE SPENCER K ; SESEK RICHARD F ; HORN ELI ; KRUPNIK HAGAI ; BLOSWICK DONALD S ; CHANG PETER L D ; INTEL CORP ; ZINATY OFRA

Assignee(s): UTAH UNIV OF ; CHANG PETER LD ; UTAH UNIV ; UTAH RESEARCH FOUNDATION UNIV ; OF UTAH RESEARCH FOUNDATION UNIV

Inventor(s): (std): BLOSWICK DONALD S ; REESE SPENCER K ; SESEK RICHARD F ; TUCKETT ROBERT P ; ZINATY OFRA ; KRUPNIK HAGAI ; HORN ELI ; DOYLE BRIAN S ; CHANG PETER L D

Inventor(s): BLOSWICK DONALD ; CHANG PETER LD ; TUCKETT ROBERT ; SESEK RICHARD ; REESE SPENCER

Agent(s): TRASK BRITT ; PEARL COHEN ZEDEK LLP ; PEARL COHEN ZEDEK LATZER LLP ; INTEL/BSTZ, BLAKELY SOKOLOFF TAYLOR AND ZAFMAN LLP ; INTEL BSTZ BLAKELY SOKOLOFF TAYLOR AND ZAFMAN LLP ; BLAKELY SOKOLOFF TAYLOR AND ZAFMAN LLP ; PEARL COHEN ZEDEK LATZER ET AL

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

Title: DEVICE FOR TREATING CARPAL TUNNEL SYNDROME

Abstract: A device for treating a patient having carpal tunnel disease includes a neural stent formed from an elastically deformable material or one that has shape memory properties. The neural stent is in the form of a mesh which, when implanted in a patient, curls about the median nerve below the transverse carpal ligament to separate the two and relieve pressure on the nerve caused by the carpal ligament.

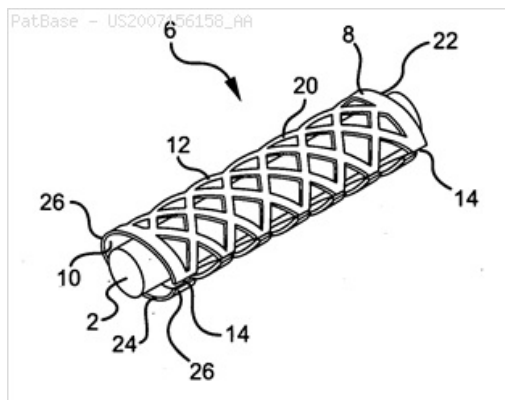
Classifications:

International (IPC 8-9): A61B17/08 A61F2/06 (Advanced/Invention); A61B17/03 (Core/Invention)

CPC: A61B17/0466 A61B17/1146 A61B2017/0618 A61B2017/081 A61F2/00 A61F2/88 A61F2/91 A61B17/320036

European: A61B17/11T A61F2/00 K61B17/04B K61B17/06S6 K61B17/08A K61B17/32E4 K61F2/88 K61F2/91

US: 606/152 606/152P 623/1.12



Family:

Publication number	Publication date	Application number	Application date
■ US2007156158 AA	20070705	US20050321722	20051229
■ US7942918 BB	20110517	US20050321722	20051229

Priority:

US20050321722 20051229

Probable Assignee: ETHICON INC

Assignee(s): (std): ETHICON INC ; HERZBERG URI ; KIBALO BENJAMIN ; LIBERATORE JESSICA ; RUDNICK JAMES ; ROUSSEAU ROBERT ; WEADOCK KEVIN

Assignee(s): NATIONAL SCIENCE FOUNDATION

Inventor(s): (std): HERZBERG URI ; KIBALO BEN ; KIBALO BENJAMIN ; LIBERATORE JESSICA ; ROUSSEAU ROBERT ; RUDNICK JAMES ; WEADOCK KEVIN

Agent(s): BODNER AND O'ROURKE LLP

Title: SYSTEM FOR MEASURING AND ANALYZING HUMAN MOVEMENT

Abstract: A system for recording force and motion data obtained from a user during an exercise workout or other physical movement is disclosed. The system also can interact with a web-portal mechanism.

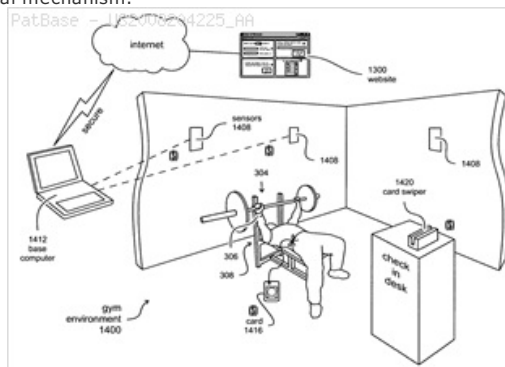
Classifications:

International (IPC 8-9): H04Q7/00 (Advanced/Invention);
H04Q7/00 (Core/Invention)

CPC: A63B21/072 A63B21/078 A63B24/00 A63B2220/13
A63B2220/51 A63B2225/20 A63B2225/50 A63B2230/04
A63B2230/06 A63B2230/70

European: A63B21/072 A63B24/00 K63B21/078 K63B220/13
K63B220/51 K63B225/20 K63B225/50 K63B230/04 K63B230/06
K63B230/70

US: 340/539.22



Family:

Publication number	Publication date	Application number	Application date
US2008204225 AA	20080828	US20070796965	20070430

Priority:

US20070902720P 20070222

US20070796965 20070430

Probable Assignee:

KITCHEN DAVID

Assignee(s): (std):

KITCHEN DAVID

Inventor(s): (std):

KITCHEN DAVID

Agent(s):

STOCKWELL AND SMEDLEY PSC

Title: WRIST SUPPORT BRACE

Abstract: This invention describes a novel wrist support brace for patients with carpal tunnel syndrom or injured wrists that utilizes an adjustable strap in conjunction with a hard support brace positioned around the forearm. The brace will physically contain the injured wrist in a stable position, thereby minimizing the potential of further injury. The wrist brace will allow some movement of the wrist and permit a user to continue working while the wrist heals in a normal position.

Classifications:

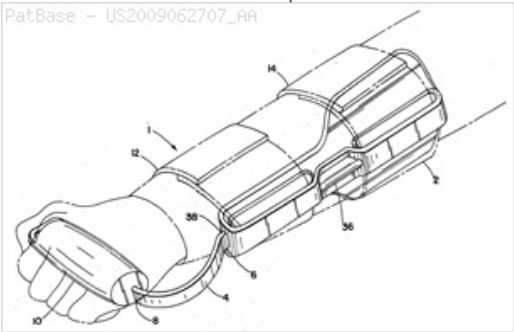
International (IPC 8-9): A61F5/00 (Advanced/Invention);

A61F5/00 (Core/Invention)

CPC: A61F5/0118

European: A61F5/01D1F

US: 602/21



Family:

Publication number	Publication date	Application number	Application date
US2009062707 AA	20090305	US20070899031	20070904

Priority:

US20070899031 20070904

Probable Assignee:

BUSUTTIL ROBERT

Assignee(s): (std):

BUSUTTIL ROBERT

Inventor(s): (std):

BUSUTTIL ROBERT

Agent(s):

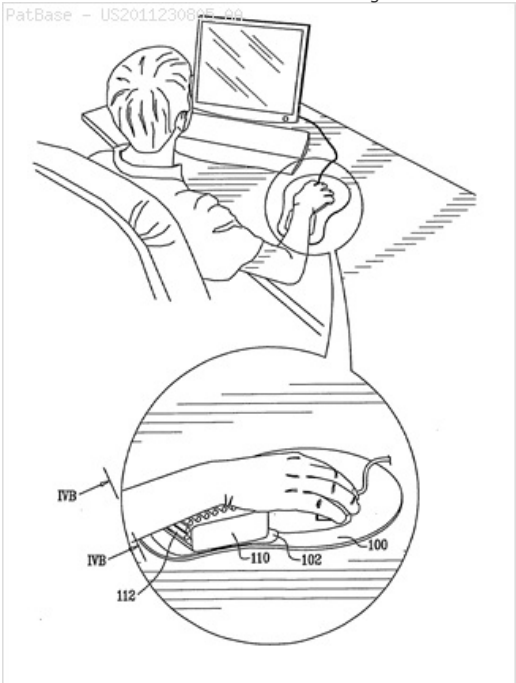
LEWIS M BRANDE

Title: CARPAL ACTIVE PROTECTION SYSTEMS (CAPS)

Abstract: A specially designed support is disclosed aimed at supporting the proximal and/or distal forearm and wrist areas while actively transferring a limited and directed pressure to the volar aspect of the distal forearm and wrist. The action is not coupled to movement performed by the user. This force, in turn, allows for enhancing venous return from the area, and thus acts to prevent ailments caused by use of computer input devices (e.g. computer mouse, keyboard). The support further comprises a motor exerting said repetitive pressure or possibly other means for forming such movement as described. The support utilizes continuous movement to alter and better the physiology of computer users, lessening chances of occurrence of pathology specifically known as carpal tunnel syndrome and possibly alleviating this condition altogether. The support may be used in a mouse pad, keyboard rest or arm rest. This design may be augmented by other modifications and additions which may be utilized in conjunction with the current invention or as inventions or modifications in their own right.

Classifications:

International (IPC 8-9): A61H1/00 A61H15/00 (Advanced/Invention); A61H1/00 (Core/Invention)
CPC: A61H7/004 A61H15/0078 A61H2205/065
European: A61H15/00B A61H7/00D4 K61H205/06B
US: 601/118 601/118P



Family:

Publication number	Publication date	Application number	Application date
US2011230805 AA	20110922	US20090120576	20090923
WO10035257 A2	20100401	WO2009IL00917	20090923
WO10035257 A3	20100520	WO2009IL00917	20090923

Priority:

US20080099267P 20080923 US20090120576 20090923 WO2009IL00917 20090923

Probable Assignee: ORON AMIR

Assignee(s): (std): ORON AMIR

Inventor(s): (std): ORON AMIR

Agent(s): SANFORD T COLB AND CO ET AL

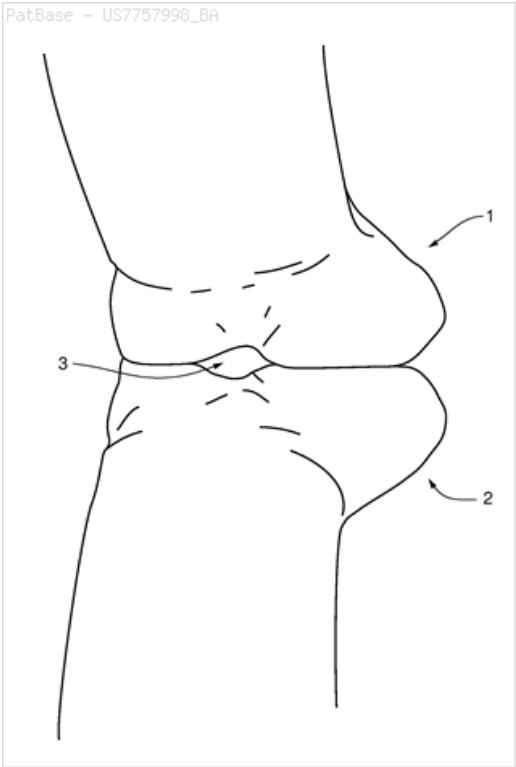
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ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

Title: COMPUTER MOUSE ACCOUTREMENT (ATTACHMENT) AND METHOD OF PREVENTING OR ALLEVIATING CARPEL TUNNEL SYNDROME (CTS)

Abstract: A new ergonomic accoutrement adapted to be attached to a computer mouse was developed to prevent strain injuries to the hand and wrist and prevent or alleviate the symptoms associated with Carpel Tunnel Syndrome (CTS) for those who are repetitive users of computer mouse devices. The accoutrement is designed to leave the carpal tunnel of the user of a computer mouse substantially open, thus precluding tunnel narrowing and the symptoms resulting therefrom. The accoutrement is also designed to maximize comfort of the user, alleviate wrist bend associated with use of the mouse, and be adaptable to different size hands.

Classifications:

International (IPC 8-9): A47G29/00 B68G5/00 G06F3/033
G06F3/039 G09G5/08 (Advanced/Invention);
A47G29/00 B68G5/00 G09G5/08 (Core/Invention)
CPC: G06F2203/0333 G06F3/03543 G06F3/039
European: G06F3/0354M G06F3/039
US: 248/118 248/686 345/163



Family:

Publication number	Publication date	Application number	Application date
US7757998 BA	20100720	US20090637518	20091214
US7834851 BA	20101116	US20100830117	20100702

Priority:

US20090637518 20091214 US20100830117 20100702

Probable Assignee: SENDUZY CORP

Assignee(s): (std): SENDUZY CORP

Inventor(s): (std): FIDALI WLODZIMIERZ ; LOGAN ROBERT T

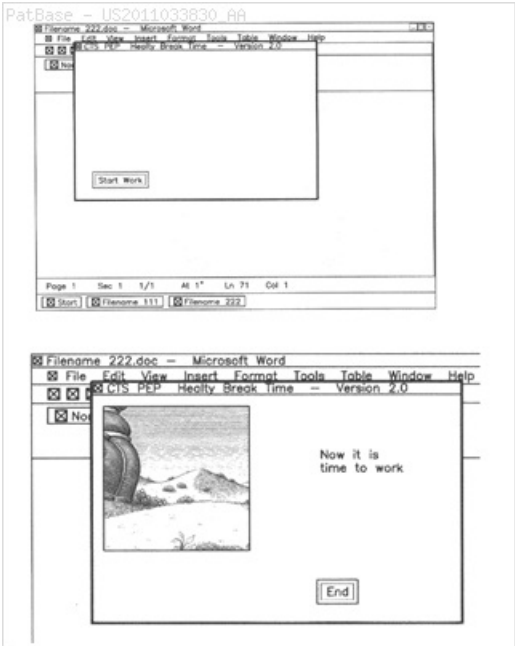
Agent(s): AMERICAN PIONEER VENTURES; DANIAR; AMERICAN PATENT AGENCY

Title: CTS PEP PREVENTION EDUCATIONAL PRODUCTS

Abstract: Carpal Tunnel Syndrome (CTS) and Cumulative Trauma Disorders (CTD's, also known by other names such as repetitive stress injuries [RSI's] and other such names, have emerged as a significant occupational health problem. The present invention is to provide systems, devices, products, methods and software programs, which will remind individuals, such as keyboard operators, on a regularly scheduled basis, and to recommend certain preventive exercises and the like. Once the system and the software is designed and implemented, a study will then be instituted to measure its effectiveness in workplaces, especially those that have experienced a high incidence of problems such as carpal tunnel syndrome. The recommendations for specific actions, such as posture and exercises, will be based on work already established in the medical and occupational literature and journals, as well as the continuous research conducted by medical experts in the field. The development of a relatively inexpensive method of controlling, reducing and preventing the incidence of these disorders is important to prevent injuries and to save money on insurance premiums, payments to injured workers, loss of productivity, loss of productive workers from the workplace as well as the need to retrain injured workers. Furthermore, the invention relates to an electronic device or chip that would act as the heart of the above system, and could be used as an embedded chip in various products.

Classifications:

International (IPC 8-9): G09B19/00 (Advanced/Invention)
CPC: G09B5/02 G09B19/003
European: G09B19/00E G09B5/02
US: 434/236 434/236P



Family:

Publication number	Publication date	Application number	Application date
US2011033830 AA	20110210	US20090538137	20090808

Priority:

US20090538137 20090808

Probable Assignee:

Assignee(s): (std):	CHERIAN GABE
Inventor(s): (std):	CHERIAN GABE
Agent(s):	GABE CHERIAN

Title: METHOD AND APPARATUS FOR TREATING CARPAL TUNNEL SYNDROME

Abstract: A method and apparatus for treating carpal tunnel syndrome with the use of an orthotic. The orthotic is applied to the patient's hand. The use of the orthotic by the patient is monitored automatically and data is produced as to the amount and time of usage. This data is then compared with a protocol to determine if the patient usage is in compliance with the protocol.

Classifications:

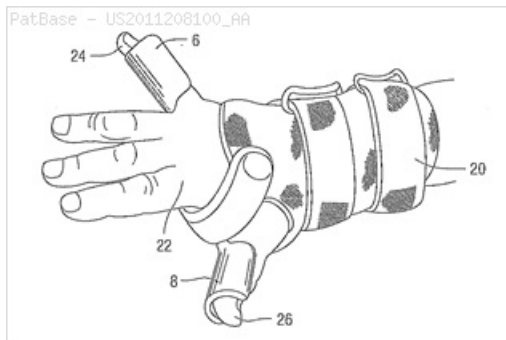
International (IPC 8-9): A61F5/00 A61F5/01

A61G99/00 (Advanced/Invention)

CPC: A61F5/0118

European: A61F5/01D1F

US: 602/21 602/21P



Family:

Publication number	Publication date	Application number	Application date
CA2726782 AA	20110819	CA20112726782	20110106
US2011208100 AA	20110825	US20100773337	20100504

Priority:

US20100306152P 20100219

US20100773337 20100504

CA20112726782 20110106

Probable Assignee:

ECK DONALD R

Assignee(s): (std):

ECK DONALD R ; ECK JEROME V

Inventor(s): (std):

ECK DONALD R ; ECK JEROME V

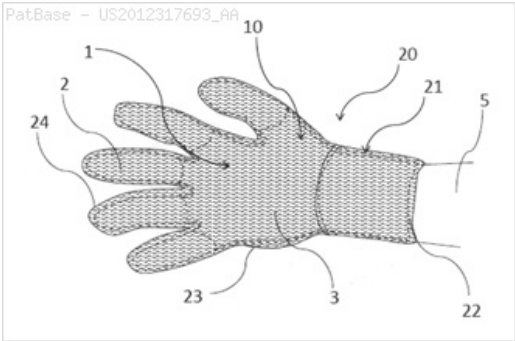
Agent(s):

MACRAE AND CO

Title: HEAT RESISTANT GLOVE WITH THERAPEUTIC RELIEF/SUPPORT

Abstract: A heat resistant wrist support glove reliably provides therapeutic relief/support when handling hot objects or tools. The heat resistant glove comprises an inner member composed of an elastic material having a wrist supporting portion, a palm supporting portion, and at least one shallow opening adapted for passage of a user's fingers. The inner member is therapeutic in nature as it provides compression to the user's hand and/wrist and optionally at least a portion of the user's forearm. Preferably the inner member is composed of an elastic compression material. The heat resistant glove further comprises an outer member composed of a light-weight, thin, heat resistant material and is formed having a wrist segment, palm segment, and finger covering segment. The inner member is housed within the outer member. The glove provides therapeutic relief and protection against repetitive stress injuries (RSI), carpal tunnel, arthritis, hand fatigue and/or poor circulation and provides protection from burns when being worn.

Classifications:
International (IPC 8-9): A41D13/08 (Advanced/Invention)
CPC: A41D19/01529 A41D19/01582
US: 2/16



Family:

Publication number	Publication date	Application number	Application date
US2012317693 AA	20121220	US20110134794	20110617

Priority:
US20110134794 20110617

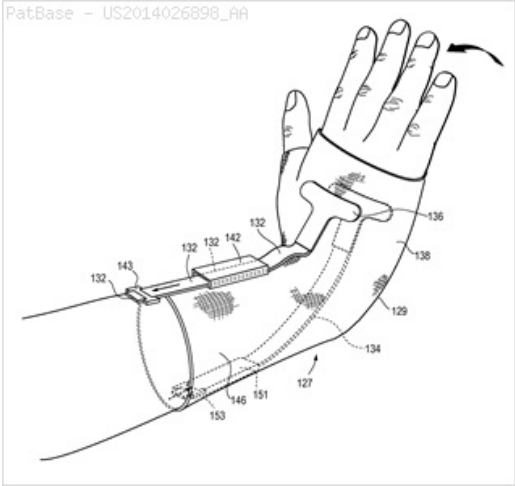
Probable Assignee: HATZ SHARI
Assignee(s): (std): HATZ SHARI
Inventor(s): (std): HATZ SHARI

Title: METHOD AND APPARATUS FOR LIMITING RANGE OF MOTION OF THE BODY OF THE USER

Abstract: An apparatus and method are disclosed for limiting the range of motion of a first portion of the body of a user relative to a second portion of the user's body. A body attachable device is secured to the first and second portion of the user's body. At least one elongated member extends between the first and second portions of the user's body for moving longitudinally as the user's body moves. A range of motion limiter restrains further longitudinal movement of the elongated member at the desired terminal end of the range of motion by receiving an adjustable stop secured to the elongated member. A stop adjustment enables the stop to be moved positionally to an adjusted position, whereby the terminal end of a range of motion can be adjusted by the user.

Classifications:

International (IPC 8-9): A61F5/01 A61F5/05
A61F5/058 (Advanced/Invention)
CPC: A61F5/013
US: 1/1 128/869



Family:

Publication number	Publication date	Application number	Application date
US2014026898 AA	20140130	US20120557113	20120724
US9254216 BB	20160209	US20120557113	20120724
WO14018177 A1	20140130	WO2013US45364	20130612

Priority:

US20120557113 20120724

Probable Assignee: LIMONADI FARHAD M

Assignee(s): (std): LIMONADI FARHAD M

Inventor(s): (std): LIMONADI FARHAD M

Agent(s): KLARQUIST SPARKMAN LLP; GRELLMANN CARSTEN C

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

Title: NEUROMUSCULAR STIMULATION CUFF

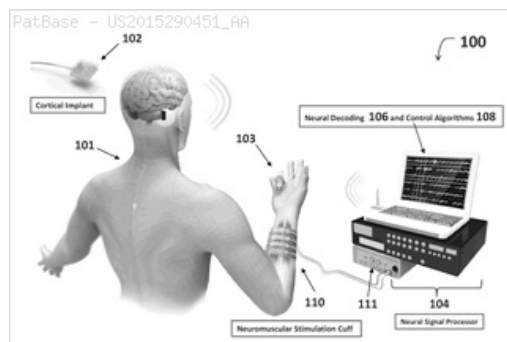
Abstract: The present disclosure describes systems, methods, devices for performing thought-controlled neuromuscular stimulation. Also described are methods for producing a neuromuscular stimulation cuff. The systems and methods generally relate to receiving and processing thought signals indicative of an intended action, and then delivering stimulation to effectuate the intended action through a neuromuscular stimulation cuff. The neuromuscular stimulation cuff includes a flexible printed circuit board having at least one finger and a plurality of electrogel discs disposed on the at least one finger. The neuromuscular stimulation cuff may be produced by providing a layer of polyimide, etching a conductive copper circuit including a plurality of electrodes into the layer of polyimide to form an etched circuit layer, adhering a cover layer onto the etched circuit layer to form a flexible printed circuit board (PCB), and cutting at least one finger from the flexible PCB. The neuromuscular stimulation cuff employs a flexible multi-electrode design which allows for reanimation of complex muscle movements in a patient, including individual finger movement.

Classifications:

International (IPC 8-9): A61B5/04 A61N1/00 A61N1/04 A61N1/36 G06F3/01 H05K3/10 (Advanced/Invention); A61N1/36 (Advanced/Non-invention)

CPC: A61N1/0456 A61N1/36014 H05K3/10 A61N1/0484 A61N1/0452 G06F3/017 A61N1/0476 A61N1/0492 A61N1/36003 G06F3/015

US: 29/846 345/156 607/144 607/148 607/149 607/48

**Family:**

Publication number	Publication date	Application number	Application date
EP2928545 A2	20151014	EP20130821741	20131205
US2015290451 AA	20151015	US20130649025	20131205
US2015306373 AA	20151029	US20150728512	20150602
US9884178 BB	20180206	US20130649025	20131205
US9884179 BB	20180206	US20150728512	20150602
WO14089266 A2	20140612	WO2013US73247	20131205
WO14089266 A3	20140814	WO2013US73247	20131205

Priority:

US20120733736P 20121205 US20120734150P 20121206 WO2013US73247 20131205
 US20130649025 20131205 US20150728512 20150602 US20150649025 20150602

Probable Assignee: BATTELLE MEMORIAL INST

Assignee(s): (std): BATTELLE MEMORIAL INST ; BBATTELLE MEMORIAL INST

Inventor(s): (std): ANNETTA NICHOLAS ; BOUTON CHAD E ; BRAND GEORGE NAEGELE ; FRIEND JEFFREY ; HAUBERT THOMAS D ; HEINTZ AMY M ; KUTE STEPHANIE ; MORROW ALEXANDER ; MOWRER MATTHEW EDWARD ; RISSER STEVEN M ; SHARMA GAURAV ; SWEENEY ANDREW ; ZABORSKI RAYMOND RICHARD

Agent(s): KADOR AND PARTNER; RICHARD M; FAY SHARPE LLP; KLEIN RICHARD M

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

Title: CARPAL TUNNEL RELIEF DEVICE

Abstract: A carpal tunnel relief device is configured for adhesive application to a skin area above the median nerve of the distal forearm, wrist or a palm of the subject and includes a middle curved portion shaped to pull the skin and surrounding soft tissues away from the median nerve therefore releasing compression of the median nerve and pain associated with carpal tunnel syndrome. Resilient flexible member may be incorporated with the device or inserted in a pocket of a flexible fabric after its adhesion to the skin.

Classifications:

International (IPC 8-9): A61F13/00 A61F13/10 A61F5/01 A61F5/56 A61H1/00 (Advanced/Invention)

CPC: A61H1/006 A61F5/0118 A61F13/107

US: 601/134 D24/190

Locarno class: 24/04

PatBase - US2014236059_AA

**Family:**

Publication number	Publication date	Application number	Application date
■ CN105050552 A	20151111	CN201480015716	20140129
■ CN105050552 B	20170315	CN201480015716	20140129
■ GB201515930 A0	20151021	GB20150015930	20140129
■ GB2526035 A1	20151111	GB20150015930	20140129
■ US2014236059 AA	20140821	US20130769364	20130217
■ USD741500 S1	20151020	US20140487159F	20140405
■ WO14126707 A1	20140821	WO2014US13470	20140129

Priority:

US20130769364 20130217 WO2014US13470 20140129 US20140487159F 20140405

Probable Assignee: SON JAE S

Assignee(s): (std): SON JAE S

Assignee(s): JAE S SON

Inventor(s): (std): SON JAE S

Inventor(s): JAE S SON

Agent(s): BORIS; LESCHNSKY BORIS

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

Title: CARPAL TUNNEL BRACE

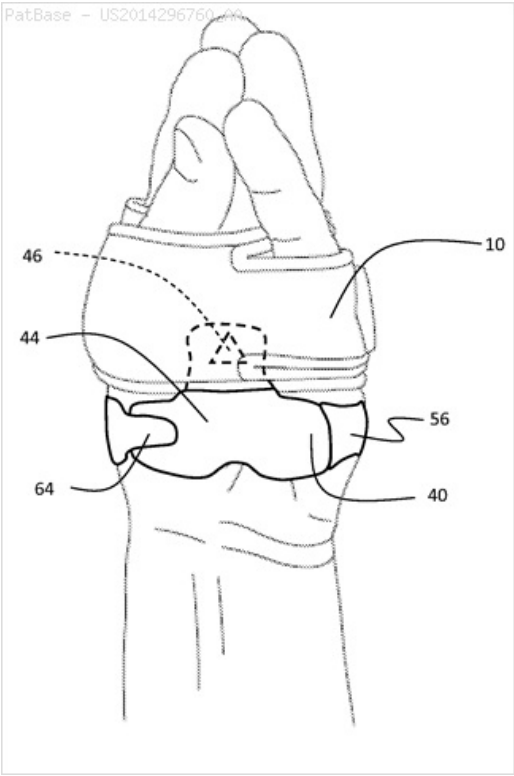
Abstract: A brace for relief of Carpal Tunnel Syndrome employs a strap element having a thumb aperture proximate a first end and a slot adjacent a peripheral edge of the strap element to receive a fifth finger. The strap element extends from the thumb aperture to be received in a central portion across a dorsal portion of a hand. The strap element then extends around the ulnar border and across the palm of the hand past the radial border with a tail portion of the strap element overlapping the central portion. A fastener moiety is provided on the tail portion of the strap element and a mating moiety on an outer surface of the strap element to engages the fastener moiety. The strap element tensioned around the hand produces approximation of carpals and metacarpals in the hand.

Classifications:

International (IPC 8-9): A61F13/00 A61F5/01 (Advanced/Invention)

CPC: A61F5/0118

US: 1/1 602/21



Family:

Publication number	Publication date	Application number	Application date
■ US2014296760 AA	20141002	US20130851370	20130327
■ US9387109 BB	20160712	US20130851370	20130327

Priority:

US20130851370 20130327

Probable Assignee:

KEOSHIAN CRAIG

Assignee(s): (std):

KEOSHIAN CRAIG ; MOIR RUSSELL

Inventor(s): (std):

MOIR RUSSELL ; KEOSHIAN CRAIG

Agent(s):

FELIX L

Title: CARPAL TUNNEL GLOVE

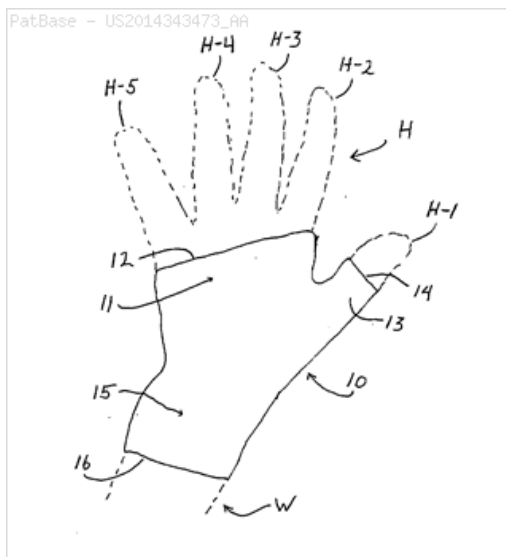
Abstract: A glove is for the treatment and/or prevention of repetitive stress injury such as carpal tunnel syndrome includes an exterior fabric portion fabricated from synthetic polymeric material, and an interior fabric portion fabricated from pure metallic silver yarn joined to the exterior fabric.

Classifications:

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

CPC: A61F5/013

US: 602/21



Family:

Publication number	Publication date	Application number	Application date
US2014343473 AA	20141120	US20130895833	20130516

Priority:

US20130895833 20130516

Probable Assignee:

NEW HAMPTON CREATIONS INC

Assignee(s): (std):

NEW HAMPTON CREATIONS INC

Inventor(s): (std):

HOFFMAN DAVID

Title: TREATMENT DEVICE FOR STRETCHING THE CARPAL TUNNEL OF THE HUMAN HAND

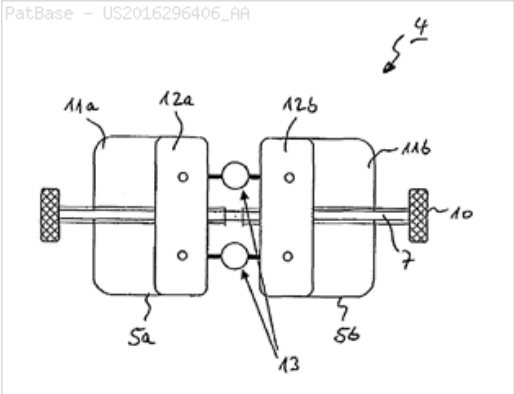
Abstract: The invention relates to a treatment device for stretching the carpal tunnel of the human hand, characterized by at least two adhesive elements, which are suitable to come into contact with human skin and to be applied to the ball of the thumb of a human hand to be treated, and characterized by a stretching device, which is designed to act on the adhesive elements and/or to be connected to the latter and to exert a substantially laterally directed stretching force on the adhesive elements.

Classifications:

International (IPC 8-9): A61F5/01 A61F5/042 A61F5/32 A61F5/34 A61H1/02 A61H9/00 (Advanced/Invention); A61F5/34 (Advanced/Non-invention)

CPC: A61H1/0285 A61H9/005 A61H2205/065 A61F5/0118 A61F5/32 A61F5/012 A61F5/34

US: 601/40



Family:

Publication number	Publication date	Application number	Application date
DE102013113564 A1	20150611	DE201310113564	20131205
EP3049036 A1	20160803	EP20140824384	20141202
EP3049036 B1	20180425	EP20140824384	20141202
IN201627019906 A	20160826	IN201627019906	20160610
US2016296406 AA	20161013	US20140100829	20141202
WO15082451 A1	20150611	WO2014EP76213	20141202

Priority:

DE201310113564 20131205 WO2014EP76213 20141202

Probable Assignee: HEYL DIETER

Assignee(s): (std): HEYL DIETER

Inventor(s): (std): HEYL DIETER

Agent(s): LEMCKE BROMMER AND PARTNER PATENTANWALTE PARTNERSCHAFT MBB; LEMCKE BROMMER AND PARTNER PATENTANWALTE PARTNERSCHAFT MBB; URLICHS STEFAN ET AL

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

Title: MOBILE TERMINAL AND METHOD FOR CONTROLLING THE SAME

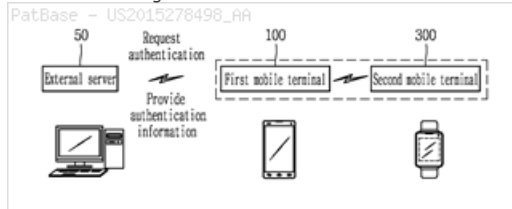
Abstract: A mobile terminal and a control method thereof are disclosed. According to the embodiments of the present disclosure, a mobile terminal may include a mobile terminal body, a wireless communication unit configured to receive an information input request for user authentication from an external server connected to the body, and a controller configured to transmit a wireless signal for sensing the wearing of a second mobile terminal formed to be paired with the body and wearable on a specific portion of a human body to the second mobile terminal in response to the request, wherein the controller performs wearer authentication for the second mobile terminal in response to receiving at least one of a response signal to the wireless signal from the second mobile terminal and a wearer's biometric signal sensed through the second mobile terminal, and controls the authentication method of the user authentication or processing for an information input corresponding to the authentication method to be determined in a different manner based on at least one of the execution result of the wearer authentication and the analysis result of the received biometric signal.

Classifications:

International (IPC 8-9): G06F21/32 G06K7/00 H04W12/06 H04W88/02 (Advanced/Invention)

CPC: G06F21/32 G06F21/35 H04L63/0861 H04W12/06

US: 1/1 340/5.82



Family:

Publication number	Publication date	Application number	Application date
KR20150112621 A	20151007	KR20140037156	20140328
US2015278498 AA	20151001	US20140467720	20140825
US9223956 BB	20151229	US20140467720	20140825
WO15147383 A1	20151001	WO2014KR06832	20140725

Priority:

KR20140037156 20140328

Probable Assignee: LG ELECTRONICS INC

Assignee(s): (std): LG ELECTRONICS INC

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

Title: EPIDERMAL ELECTRONICS TO MONITOR REPETITIVE STRESS INJURIES AND ARTHRITIS

Abstract: Systems and methods are described for monitoring, treating, and preventing a repetitive stress injury, arthritis or other medical condition. A system embodiment includes, but is not limited to, a deformable substrate configured to interface with a skin surface; a sensor assembly coupled to the deformable substrate, the sensor assembly including a motion sensor and a physiological sensor, the sensor assembly configured to generate one or more sense signals based on detection of a movement of a body portion by the motion sensor and a physiological parameter of the body portion by the physiological sensor; a processor operably coupled to the sensor assembly and configured to receive the one or more sense signals; and an effector operably coupled to the processor and configured to affect the body portion responsive to control by the processor.

Classifications:**International (IPC 8-9):** A61B5/00 A61B5/0205 A61B5/0402

A61B5/0488 A61B5/0496 A61B5/11 A61B5/117 A61B5/145

A61H23/00 A61H23/02 A61M5/142 A61N1/04 A61N1/36 A61N1/372

A61N1/378 A61N2/00 A61N5/06 A61N7/00 G01B11/00 G01P15/00

G06F19/00 H02J5/00 (Advanced/Invention);

A61M5/14 (Advanced/Non-invention)

CPC: A61B5/7275 A61B5/7282 A61B5/45 A61B5/026 A61B5/1116

A61B5/1118 A61N1/37247 A61N1/37282 A61N1/3787 A61B5/683

A61B5/6831 A61B5/6832 A61B5/1125 A61B5/1127 A61B5/4514

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A61B2562/0219 A61B5/0022 A61B5/01 A61B5/021 A61B5/024

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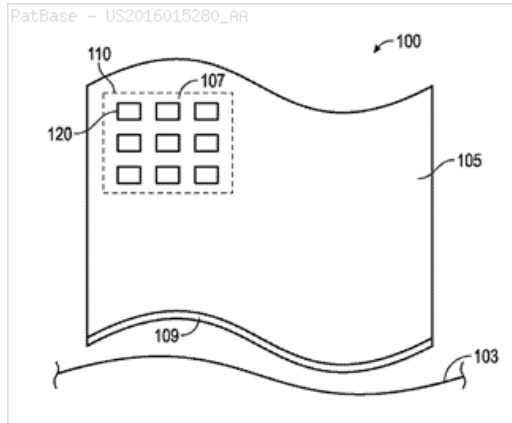
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H02J50/12 A61B2562/0215 A61B5/6801 A61B5/742 G16H50/30 A61N1/0492 A61M5/14

US: 600/301 600/595 601/46 607/48**Family:**

Publication number	Publication date	Application number	Application date
US2016015280 AA	20160121	US20140504944	20141002
US2016015299 AA	20160121	US20140334434	20140717
US2016015972 AA	20160121	US20140504954	20141002
US2017136264 AA	20170518	US20160361953	20161128
US2017136265 AA	20170518	US20160361999	20161128
US2017156662 AA	20170608	US20160386434	20161221
US2017164876 AA	20170615	US20160386470	20161221
US2018132761 AA	20180517	US20180869989	20180112

Priority:

US20140334434 20140717	US20140504944 20141002	US20140504954 20141002
US20160361953 20161128	US20160361999 20161128	US20160386434 20161221
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Probable Assignee: ELWHA LLC**Assignee(s):** (std): ELWHA LLC

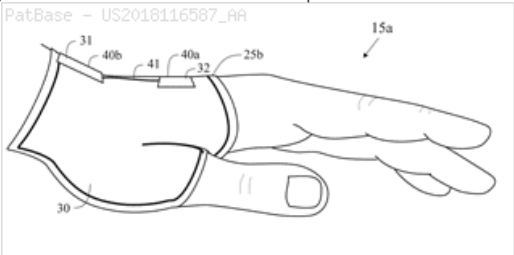
Inventor(s): (std): CHAN ALISTAIR K ; GOODALL ELEANOR V ; HYDE RODERICK A ; KARE JORDIN T ; LEUTHARDT ERIC C ; MALAMUD MARK A ; MCKNIGHT GARY L ; PAN TONY S ; SHARADIN KATHERINE E ; SWEENEY ELIZABETH A ; TEGREENE CLARENCE T ; TUCKERMAN DAVID B ; WHITMER CHARLES ; WOOD JR LOWELL L

Title: CUBITAL TUNNEL INFOMATIC MONITOR

Abstract: A device, system and method for monitoring cubital tunnel syndrome ("CuTS"). The device comprises a body configured to be worn by a user, sensors, a processor, a vibration mechanism, and a power source. The sensors monitor a position of the user's hand to prevent CuTS. The processor of the device is configured to determine if the user's hand is in a CuTS position and the processor is configured to generate an alert signal to alert the user to the CuTS position.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/103 A61B5/11 G08B1/08 G08B7/00 (Advanced/Invention)
CPC: A61B5/746 A61B5/1116 A61B5/6806 A61B5/0022 A61B5/1071 A61B5/459 A61B5/486 A61B5/7455 A61B5/1114 A61B5/7445 A61B2562/0223 A61B5/458 A61B5/6825 A61B5/7282 A61B2562/0219 A61B5/6824



Family:

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US2018116587 AA	20180503	US20170802420	20171102
US9808208 BA	20171107	US20170479386	20170405
WO18081416 A1	20180503	WO2017US58516	20171026

Priority:

US20160413967P 20161027 US20160434412P 20161215 US20170479386 20170405
US20170802420 20171102

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Inventor(s): (std): ERMAN RANDAL ; ERMAN RANDALL

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ 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 IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA 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