

Search history

Search 1: pharyngeal and dilator (Results 22)

1) Family number: 25044702 (US3271248A)

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Title: Pharmaceutical compositions containing amine mercapto-succinates

Abstract: Source: US3271248A The invention comprises mercaptosuccinates of amines which themselves are known to possess some therapeutic function (including salts wherein one of the acidic functions of mercaptosuccinic acid is neutralized with an inorganic base and the other with an amine); the preparation thereof by reacting mercaptosuccinic acid or an acidic salt with the appropriate amine in a compatible solvent (i.e. a solvent that will not react with the amine or with the acid) and maintaining the temperature of the reaction medium below 30 degrees; and pharmaceutical compositions containing the salts. Preferred amines are those known to possess vaso-constrictor, broncho-dilator, antihistaminic or local anaesthetic therapeutic functions. Inorganic bases also used in forming mixed salts include the elements Na, K, Ba, Ca, Ag and Bi. Examples are given of salts of 1-phenyl-2-aminoethane, diphenylaminomethane, 1,2-diaminoethane, 1-phenyl-1-aminoethane, 1 - diethylamino - 2 - hydroxyethane, piperidine, 1 - piperidino - 2 - hydroxyethane, morpholine, 1-morpholino-2-hydroxyethane, 1-oxo - 1 - phenyl - 2 - methylaminopropane and ephedrine. Pharmaceutical compositions having detoxicant properties comprise the salts of the invention together with a pharmacologically acceptable diluent or carrier, and may be formulated as tablets, pills, dragees, suppositories and solutions for injection and solutions for administration as an aerosol nasal instillation or spray.

Classifications:

International (IPC 8-9): A61K45/00 C07D295/027 C07D295/088 (Advanced/Invention);
C07D295/02 (Advanced/Non-invention)

International (IPC 1-7): C07C149/20 C07C55/10 C07C87/28

CPC: C07C323/00 C07D295/027 C07D295/088

European: 124BG2B1A2B1 124BG2C2K 124BG5B2A1B 124BG5C2B2C 124BG6B3C1 C07C323/00 C07D295/027
C07D295/088

US: 514/554 514/555 544/107 544/170 544/78 562/594

Family:

Publication number	Publication date	Application number	Application date
BE606465 A	19611116	BE19610606465	19610724
BE606465 A1	19611116	BE19610606465	19610724
CH405264 A	19660115	CH19610008716	19610724
GB921248 A	19630320	GB19600025802	19600725
US3271248 A	19660906	US19610124354	19610717

Priority:

GB19600025802 19600725

Probable Assignee: ILE DE RECH S ET D APPLIC SCIE

Assignee(s): (std): ILE DE RECH S AND D APPLIC SCIEN ; ILE DE RECH S ET D APPLIC SCIE ; RECH AND D APPLIC
SCIENT SOC CIV

Assignee(s): SOCIETE CIVILE DE RECHERCHES AND D APPLICATIONS SCIENTIFIQUES ; SOCIETE CIVILE DE
RECHERCHES ET D APPLICATIONS SCIENTIFIQUES ; CIVILE DE RECHERCHES AND D APPLICATIONS
SCIENTIFIQUES SOC

Inventor(s): (std): EUGENE LEROI ; JEAN RENAULT ; LEROI EUGENE ; LEROI EUGENE L ; RENAULT JEAN ; RENAULT JEAN A

2) Family number: 17380787 (CN2160414Y)

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Title: Dilator for esophago-gastric anastomosis

Abstract: Source: CN2160414Y The utility model relates to a dilator for the stoma of an oesophagus and a stomach, which relates to a medical appliance for dilating the stoma of the oesophagus and the stomach. The utility model is composed of a probe stripe and a guide wire, wherein, the probe stripe is a double-layer elastic soft tube formed by the winding of a stainless steel flat wire; the original end of the probe stripe is provided with an olivary stainless steel probe of which the maximum diameter is between 6 and 15 millimeters; the guide wire is a stainless steel wire which is inserted into the probe stripe; the original end of the guide wire is connected with a stainless steel soft spring of which the length is less than or equal to 30 millimeters, the diameter of the soft spring is greater than the internal diameter of the probe, and the original end of the soft spring is provided with a semiglobular stainless steel contact head. The utility model has the advantage of convenient operation. The utility model can effectively dilate the stoma of the oesophagus and the stomach for avoiding the scratch of the stoma of the oesophagus and the stomach and the pharyngeal part and the pharyngeal discomfort of patients.

Classifications:

International (IPC 8-9): A61M29/00 (Advanced/Invention);
A61M29/00 (Core/Invention)

International (IPC 1-7): A61M29/00

Family:

Publication number	Publication date	Application number	Application date
CN2160414 Y	19940406	CN19932011548U	19930508

Priority:

Probable Assignee: LI XIAOLIN
Assignee(s): (std): LI XIAOLIN
Inventor(s): (std): DAWEI WU ; XIAOLIN LI ; XIZENG ZHANG
Inventor(s): ZHANG XIZENG ; LI XIAOLIN ; WU DAWEI

3) Family number: 11164889 (US5669377A)

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Title: Nasal band and method for improved breathing

Abstract: Source: US5669377A A user friendly nasal band and method are provided which lifts up the tip of the nose, enlarges the nostrils and shortens the effective length of the nasal passageways. The light weight nasal band provides a comfortable sleep band and dilator strip which improves sleep and makes breathing easier for many patients. Advantageously, the sleep band and method also reduces or eliminates snoring for many patients. This is accomplished by improving the nasal airway. An improved nasal airway minimizes mouth breathing which prevents vibration of the palate, tongue, and pharyngeal walls thus reducing the noise of snoring. Air passing through the mouth during sleep causes vibration of the relaxed tongue, palate, and pharyngeal wall resulting in the noise of snoring. The nasal band also provides an attractive sports band which minimizes collapse of the nasal sidewalls during jogging or other strenuous exercise so that athletes can continue to breathe through their nose rather than breather through their open mouth. The nasal band is preferably worn vertically and stretches along the bridge of the nose from the tip of the nose to the upper part of the nasal bridge or forehead. The nasal band can comprise a waterproof adhesive tape with a lower tip portion, a bridge portion, and a top portion.

Classifications:

International (IPC 8-9): A61F5/08 A62B9/06 (Advanced/Invention)

International (IPC 1-7): A61F5/08 A61M15/00 A61M15/08

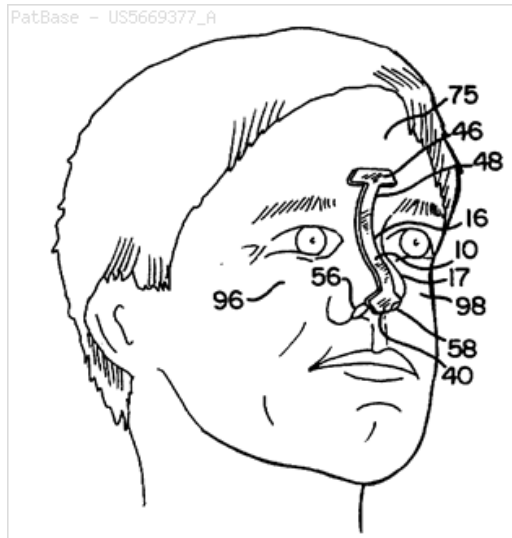
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CPC: A61F5/08 A62B9/06

European: A61F5/08 A62B9/06

US: 128/200.24 128/207.18 606/199 606/204.25 606/204.45

PatBase - US5669377_A



Family:

Publication number	Publication date	Application number	Application date
AU199853610 A1	19980610	AU19980053610	19971119
US5669377 A	19970923	US19960752603	19961119
US5685292 A	19971111	US19960675356	19960705
WO9822053 A1	19980528	WO1997US21477	19971119

Priority:

US1996075356 19960705 US19960752603 19961119 WO1997US21477 19971119

Probable Assignee: ARTHUR C FENN

Assignee(s): (std): FENN ARTHUR C ; FENN ARTHUR C M D

Assignee(s): ARTHUR C FENN

Inventor(s): (std): FENN ARTHUR C ; FENN ARTHUR C M D

Inventor(s): ARTHUR C M D FENN

Designated states: AL AM AT AU AZ BA BB BE BG BR BY CA CH CN CU CZ DE DK EE ES FI FR GB GE GH GR HU IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SL SZ TJ TM TR TT UA UG US UZ VN YU ZW

4) Family number: 23342866 (RU2177241C)

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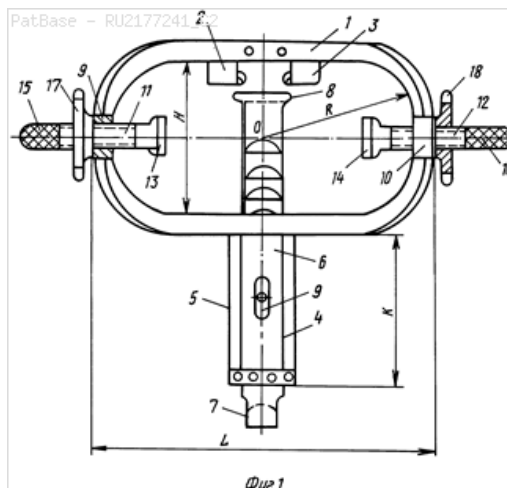
Title: MOUTH DILATOR

Abstract: Source: RU2177241C

FIELD: medicine. **SUBSTANCE:** mouth dilator has frame flattened in vertical plane and curved in horizontal plane, hooks attached to frame upper part and adapted for gripping upper jaw, lower jaw separating and fixing mechanism arranged below frame and made in the form of flat casing with stop latch. Movable flat handle located in casing is equipped with blade at its upper end and hook at its lower end. Loops are fixed at both sides of frame. Lip separating members made in the form of rods with flat hooks are inserted into loops. Dilator has following main geometric ratios: $R=0.8H$; $K=1.2H$; $L=2.2H$, where R is radius of frame, K is length of casing, L is length of frame. Frame is made in the form of closed strip. Flat hooks are adapted for separating pharyngeal tissues. Rods are equipped with threaded surfaces and winged nuts. Dilator of such construction may be used for performing surgical operations, as well as in the case of necessity of surgical intervention in mouth cavity. **EFFECT:** simplified construction, increased efficiency and wider field of operation in the region of cervical vertebrae. 2 dwg

Classifications:

International (IPC 8-9): A61B1/24 (Advanced/Invention);



Family:

Publication number	Publication date	Application number	Application date
RU2000103676 A	20031010	RU20000103676	20000217
RU2177241 C2	20011227	RU20000103676	20000217

Priority:

RU20000103676 20000217

Probable Assignee: NII FTIZIOPUL MONOL

Assignee(s): (std): NII FTIZIOPUL MONOL ; OGII MMA IM I M SECHENOVA ; RESEARCH STUDIES INSTITUTE

Assignee(s): NAUCHNO-ISSLEDOVATEL'SKIJ INSTITUT FTIZIOPUL'MONOLOGII MMA IM. I.M.SECHENOVA

Inventor(s): (std): KISELEV A M ; KISELEV AM ; LAVROV V N ; LAVROV VN

5) Family number: 30215047 (RU2212197C)

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Title: SURGICAL METHOD FOR TREATING ADENOIDS

Abstract: Source: RU2212197C FIELD: medicine. SUBSTANCE: method involves giving epitracheal anesthesia. Standard oral dilator with a built-in spatula is introduced. Plastic catheter for drawing soft palatine off and 70 deg endoscope are introduced via the oral cavity into stomatopharynx. Adenoid tissue is partially removed in several steps. First, angle between posterior vomer edge and cranium base are relieved from adenoid tissue and then, pharyngeal tonsil portions adjacent to choanas are removed. Depth and the manner of adenoid proliferation into posterior nasal areas are visually determined and the portions are removed from rhinopharyngeal side. Then, adenoid portions adjacent to lateral choana edge are removed. The adenoid tissue is removed by means of adenoid forceps. EFFECT: enhanced effectiveness in repairing nasal; breathing with a part of tonsil retained. 2 cl

Classifications:

International (IPC 8-9): A61B17/24 (Advanced/Invention);

A61B17/24 (Core/Invention)

International (IPC 1-7): A61B17/24

Family:

Publication number	Publication date	Application number	Application date
RU2002116099 A	20040120	RU20020116099	20020620
RU2212197 C1	20030920	RU20020116099	20020620

Priority:

RU20020116099 20020620

Probable Assignee: EREMINA NATAL JA VIKTOROVNA

Assignee(s): (std): EREMINA NATAL JA VIKTOROVNA ; RUSETSKIJ JURIJ JUR EVICH

Assignee(s): RUSETSKIJ JURIJ JUR'EVICH ; EREMINA NATAL'JA VIKTOROVNA

Inventor(s): (std): EREMINA N V ; EREMINA NV ; RUSETSKIJ JU JU ; RUSETSKIJ JUJU

6) Family number: 30951622 (US2004177852A)

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Title: DENTAL APPLIANCE FOR IMPROVING AIRFLOW THROUGH NASAL-PHARYNGEAL AIRWAY

Abstract: Source: US2004177852A A dental device comprises an intraoral nasal dilator and a mandibular repositioner working synergistically as an anti-snoring device. The device has a lower segment of thermoplastic material which is formed to fit over the lower teeth and is connected to an upper section of molded material extending between the upper jaw and the upper lip by a wire connector. The wire connector has mechanisms allowing adjustment of the lower jaw positioning. A wire extension with acrylic pads at end is bonded in the midline of the flange and extends out so that the pads stretch the tissue of the lip and lateral nasal walls preventing collapse during respiration while the anterior repositioning of the lower jaw maintains opening of the posterior pharyngeal airway during sleep functioning as an anti-snoring device. Additional applications of the intraoral nasal dilator include incorporation into sports mouth guards using a variety of materials.

Classifications:

International (IPC 8-9): A61C5/14 A61F5/01

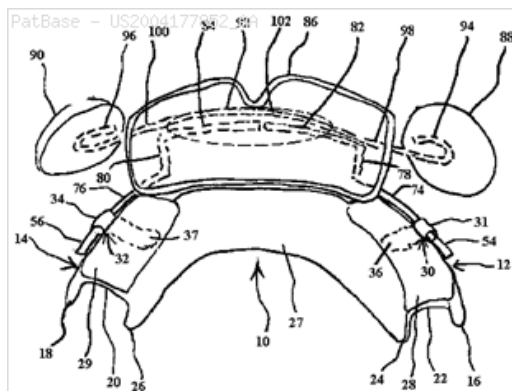
A61F5/56 (Advanced/Invention);

A61F5/01 A61F5/56 (Core/Invention)

International (IPC 1-7): A61C5/14 A61F5/56 A61F7/00

CPC: A61F5/566

European: A61F5/56B

**Family:**

Publication number	Publication date	Application number	Application date
AU2004220495 AA	20040923	AU20040220495	20040310
AU2004220495 AB	20060316	AU20040220495	20040310
AU2004220495 BB	20100225	AU20040220495	20040310
DE602004038065 D1	20120802	DE200460038065T	20040310
EP1608300 A2	20051228	EP20040719238	20040310
EP1608300 A4	20090422	EP20040719238	20040310
EP1608300 B1	20120606	EP20040719238	20040310
IL170939 A0	20060221	IL20040170939	20040310
IN02584CN2005 A	20070831	IN2005CN02584	20051010
JP2006519656 T2	20060831	JP20060507030T	20040310
JP5008394 B2	20120822	JP20060507030	20040310
US2004177852 AA	20040916	US20030386063	20030310
US2007006884 AA	20070111	US20060485942	20060713
US2009301500 AA	20091210	US20090508468	20090723
US7328705 BB	20080212	US20030386063	20030310
US7581542 BB	20090901	US20060485942	20060713
US7819122 BB	20101026	US20090508468	20090723
WO04080342 A2	20040923	WO2004US07278	20040310
WO04080342 A3	20060126	WO2004US07278	20040310
WO04080342 C1	20041118	WO2004US07278	20040310

Priority:

EP20040719238 20040310 US20030386063 20030310 US20060485942 20060713
 WO2004US07278 20040310 US20090508468 20090723

Probable Assignee: MARK ABRAMSON**Assignee(s):** (std): ABRAMSON MARK ; ABRAMSON MARK E ; MARK ABRAMSON**Assignee(s):** MARK E ABRAMSON ; ABRAMSON MARK E REDWOOD CITY**Inventor(s):** (std): ABRAMSON MARK ; ABRAMSON MARK E ; MARK E ABRAMSON**Inventor(s):** ABRAMSON MARK E REDWOOD CITY**Agent(s):** DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; JENNINGS MICHAEL JOHN; FLIESLER MEYER LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG 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

7) Family number: 43875198 (US2006095066A)

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Title: DEVICES, SYSTEMS AND METHODS FOR TREATING DISORDERS OF THE EAR, NOSE AND THROAT

Abstract: Source: US2006095066A Sinusitis, mucocysts, tumors, infections, hearing disorders, choanal atresia, fractures and other disorders of the paranasal sinuses, Eustachian tubes, Lachrymal ducts and other ear, nose, throat and mouth structures are diagnosed and/or treated using minimally invasive approaches and, in many cases, flexible catheters as opposed to instruments having rigid shafts. Various diagnostic procedures and devices are used to perform imaging studies, mucus flow studies, air/gas flow studies, anatomic dimension studies and endoscopic studies. Access and occluding devices may be used to facilitate insertion of working devices such as endoscopes, wires, probes, needles, catheters, balloon catheters, dilation catheters, dilators, balloons, tissue cutting or remodeling devices, suction or irrigation devices, imaging devices, sizing devices, biopsy devices, image-guided devices containing sensors or transmitters, electrosurgical devices, energy emitting devices, devices for injecting diagnostic or therapeutic agents, devices for implanting devices such as stents, substance eluting or delivering devices and implants, etc.

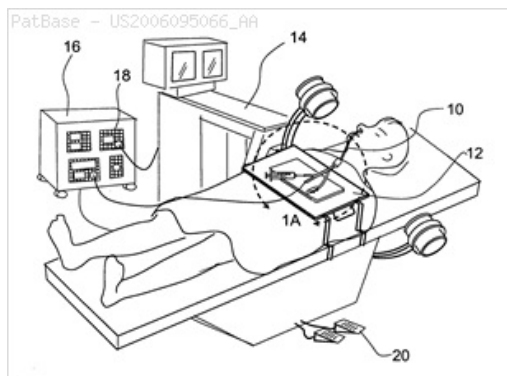
Classifications:

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CPC: A61B5/065 A61B10/06 A61B17/1204 A61B17/12045 A61B17/12104 A61B17/12136 A61B17/1604 A61B17/1608 A61B17/1679 A61B17/1688 A61B17/24 A61B17/32002 A61B17/32075 A61B17/3478 A61B2017/00247 A61B2017/003 A61B2017/3486 A61B2017/3488 A61B2018/00392 A61F2/958 A61F2250/0067 A61M25/007 A61M2025/105 A61M2025/1052 A61F11/002 A61M25/10 A61B2017/320004 A61B34/20 A61B50/13 A61B50/15 A61B50/20 A61B90/16 A61B90/361 A61B2034/2051

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A61B19/52H12 A61M25/10 K61B10/06 K61B17/00E1C2
K61B17/00E3G K61B17/32A K61B17/34Q K61B17/34R2B2
K61B17/34R2B4 K61B18/00F6A8 K61B19/02F2 K61B19/02F6
K61B19/20D2 K61B19/52D K61B19/52H12B4 K61F2/958
K61F250/00W5 K61M25/00T10C K61M25/10Z3 K61M25/10Z4
US: 604/510 606/199 606/199P



Family:

Publication number	Publication date	Application number	Application date
US2006095066 AA	20060504	US20050037548	20050118
US7462175 BB	20081209	US20050037548	20050118
WO06078884 A2	20060727	WO2006US02004	20060118
WO06078884 A3	20071101	WO2006US02004	20060118

Priority:

US20040829917 20040421 US20040912578 20040804 US20050037548 20050118
US20040944270 20040917

Probable Assignee: ACCLARENT INC

Assignee(s): (std): ACCLARENT INC ; CHANG JOHN Y ; EXPLORAMED NC1 INC ; LAMSON THEODORE C ; MAKOWER JOSHUA ; WALKE AMRISH JAYPRAKASH ; VRANY JULIA D

Inventor(s): (std): WALKE AMRISH JAYPRAKASH ; WALKE AMRISH J ; VRANY JULIA D ; MAKOWER JOSHUA ; LAMSON THEODORE C ; CHANG JOHN Y

Inventor(s): CHANG JOHN ; LAMSON THEODORE ; VRANY JULIA ; WALKE AMRISH

Agent(s): ROBERT D BUYAN STOUT UXA BUYAN AND MULLINS LLP; STOUT UXA BUYAN AND MULLINS LLP; BUYAN ROBERT D; ROBERT D

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 KN 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

8) Family number: 33092368 (CA2490484A)

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Title: TREATMENT OF OBSTRUCTIVE SLEEP APNEA

Abstract: Source: CA2490484A Obstructive sleep apnea and snoring are treated by administering a sedative or hypnotic drug, including barbiturates and antihistamines.</SDOAB >

Classifications:

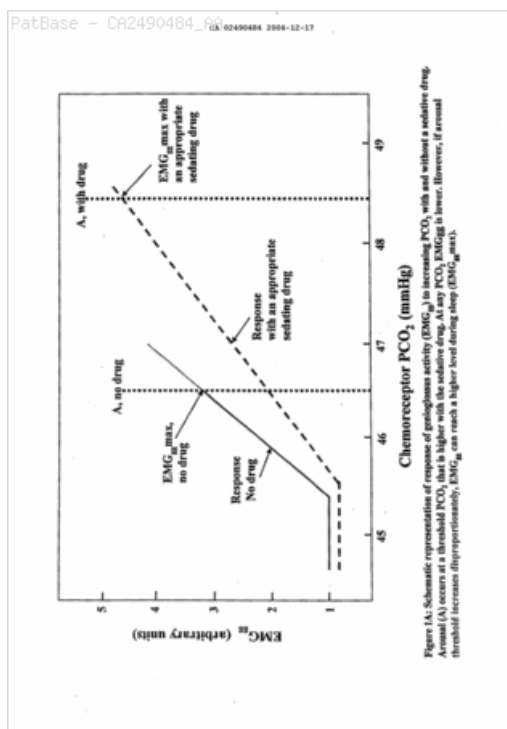
International (IPC 8-9): A61K31/165 A61K31/515

A61K45/00 (Advanced/Invention);

A61K31/165 A61K31/513 (Core/Invention)

CPC: A61K31/165 A61K31/515 A61K45/06

European: A61K31/165 A61K31/515 A61K45/06



Family:

Publication number	Publication date	Application number	Application date
CA2490484 AA	20060617	CA20042490484	20041217

Priority:

Probable Assignee: YRT LTD
Assignee(s): (std): YRT LTD
Assignee(s): YOUNES MAGDY ; YRT LIMITED
Inventor(s): (std): YOUNES MAGDY

9) Family number: 33081791 (US2006130833A)

© PatBase

Title: TREATMENT OF OBSTRUCTIVE SLEEP APNEA

Abstract: Source: US2006130833A Obstructive sleep apnea and snoring are treated by administering a sedative or hypnotic drug, including barbiturates and antihistamines.

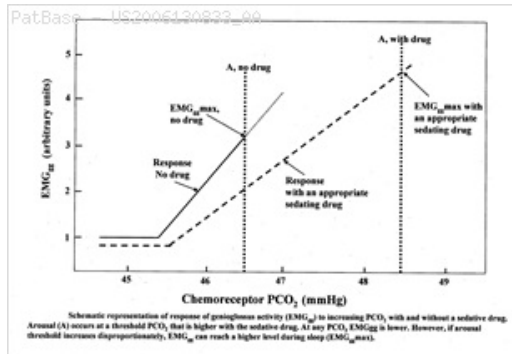
Classifications:

International (IPC 8-9): A61M16/00 A62B7/00 (Advanced/Invention); A61M16/00 A62B7/00 (Core/Invention)

CPC: A61K31/00 A61K31/135 A61K31/515

European: A61K31/00 A61K31/135 A61K31/515

US: 128/204.18 128/204.180 128/204.23 128/204.230



Family:

Publication number	Publication date	Application number	Application date
US2006130833 AA	20060622	US20040012214	20041216

Priority:

US20040012214 20041216

Probable Assignee: YOUNES MAGDY
Assignee(s): (std): YOUNES MAGDY
Inventor(s): (std): YOUNES MAGDY
Agent(s): SIM AND MCBURNEY

10) Family number: 33341975 (US2006201519A)

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Title: SYSTEM FOR ADJUSTABLE TISSUE ANCHORS

Abstract: Source: US2006201519A Methods and devices are disclosed for manipulating the tongue. An implant is positioned within at least a portion of the tongue and may be secured to other surrounding structures such as the mandible and/or hyoid bone. In general, the implant is manipulated to displace at least a portion of the posterior tongue in an anterior or lateral direction, or to alter the tissue tension or compliance of the tongue. Methods and devices are also disclosed for manipulating other soft tissue structures, including the soft palate and pharyngeal airway.

Classifications:

International (IPC 8-9): A61B1/24 A61B17/00 A61B17/04

A61B17/06 A61B17/24 A61B17/56 A61B17/60 A61B17/84

A61B19/00 A61C3/00 A61C5/14 A61F2/02 A61F2/06

A61F5/56 (Advanced/Invention);

A61B17/00 A61B17/06 A61B17/064 A61B19/00

A61F5/56 (Advanced/Non-invention);

A61B1/24 A61B17/00 A61B17/04 A61B17/06 A61B17/24 A61B17/60

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A61F5/56 (Core/Invention);

A61B17/06 (Core/Non-invention)

CPC: A61B2018/00327 A61B17/0642 A61B2017/00867 A61B17/0644

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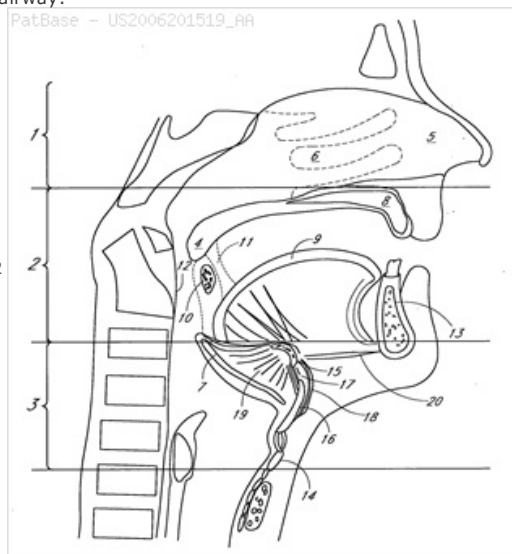
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K61B17/06S4 K61B17/06S6 K61B17/24 K61B17/24S K61B18/00F2B K61B19/30 K61F5/56

US: 1/1 128/200.24 128/200.240S 128/848 128/848S 128/860 128/897 128/898 128/898S 411/446 411/519 433/7 600/37

600/375 600/37P 606/1 606/1S 606/232 606/232S 606/286 606/326 606/326P 606/60 606/60S 606/83 606/83S 623/1.36

623/23.64 623/23.640P 623/23.76 623/23.760S



Family:

Publication number	Publication date	Application number	Application date
AT465673 E	20100515	AT20060758143T	20060207
AT555714 E	20120515	AT20060180841T	20060207
DE602006013946 D1	20100610	DE200660013946T	20060207
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EP1850728 A2	20071107	EP20060758143	20060207
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EP2353494 A1	20110810	EP20110161271	20060207
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JP2008529608 T2	20080807	JP20070554341T	20060207
JP4981690 B2	20120725	JP20070554341T	20060207
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US2006207606 AA	20060921	US20060349044	20060207
US2006207607 AA	20060921	US20060349045	20060207
US2006207608 AA	20060921	US20060349067	20060207
US2006207612 AA	20060921	US20060349072	20060207
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US2008027560 AA	20080131	US20070762652	20070613
US2008053461 AA	20080306	US20070835966	20070808
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US2013146065 AA	20130613	US20130760241	20130206
US2015075541 AA	20150319	US20140312218	20140623
US2016361054 AA	20161215	US20160229182	20160805
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US8371307 BB	20130212	US20070835966	20070808
US8757163 BB	20140624	US20120350867	20120116
US9179906 BB	20151110	US20120539785	20120702
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WO07146362 A2	20071221	WO2007US13926	20070613
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Priority:

EP20060758143	20060207	EP20070796069	20070613	EP20090180841	20060207
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WO2007US13926	20070613	WO2007US13877	20070613		

Probable Assignee: PHILIPS KONINKLL NV

Assignee(s): (std): ASPIRE MEDICAL INC ; BURG ERIK V D ; BURG ERIK VAN D ; FRAZIER ANDREW ; HIROTSUKA MARK ; JACKSON JASPER ; DINEEN MICHAEL ; DINEEN MICHEAL ; KESSLER ADAM ; BURG ERIK VAN DER ; ROUE CHAD C ; VAN DER BURG ERIK ; ROUE CHAD ; KONINKL PHILIPS ELECTRONICS NV ; SHULOCK DAMIEN ; ROUE CHAR ; PHILIPS KONINKLL NV ; KONINKL PHILIPS NV

Assignee(s): PHILIPS ELECTRONICS KONINKLL NV ; KONINKLIJKE PHILIPS ELECTRONICS N V

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Inventor(s): BURG ERIK 5600 AE VAN D ; DINEEN MICHAEL 5600 AE ; ROUE CHAD SAN JOSE ; KESSLER ADAM 5600 AE ; JACKSON JASPER 5600 AE ; HIROTSUKA MARK 5600 AE ; FRAZIER ANDREW 5600 AE ; ROUE CHAD C 5600 AE ; ROUE CHAD 5600 AE ; JACKSON JASPER NEWARK ; HIROTSUKA MARK SAN JOSE ; FRAZIER ANDREW SUNNYVALE ; DINEEN MICHAEL PORTOLA VALLEY ; BURG ERIK ; BURG ERIK LOS GATOS VAN D ; BURG ERIK VD

Agent(s): MEISSNER BOLTE AND PARTNER GBR; MEISSNER BOLTE PATENTANWALTE RECHTSANWALTE PARTNERSCHAFT MB&B; DAMEN DANIEL MARTIJN; KARY PIERRE ET AL; VAN VELZEN MAAIKE MATHILDE; KNOBBE MARTENS OLSON AND BEAR LLP

Designated states: AE AG AL AM 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

11) Family number: 43875230 (US2008132938A)

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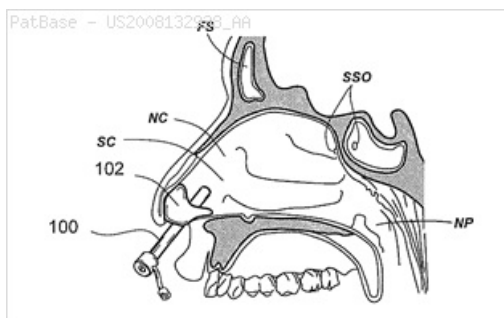
Title: DEVICES, SYSTEMS AND METHODS FOR TREATING DISORDERS OF THE EAR, NOSE AND THROAT

Abstract: Source: US2008132938A Sinusitis, mucocysts, tumors, infections, hearing disorders, choanal atresia, fractures and other disorders of the paranasal sinuses, Eustachian tubes, Lachrymal ducts and other ear, nose, throat and mouth structures are diagnosed and/or treated using minimally invasive approaches and, in many cases, flexible catheters as opposed to instruments having rigid shafts. Various diagnostic procedures and devices are used to perform imaging studies, mucus flow studies, air/gas flow studies, anatomic dimension studies and endoscopic studies. Access and occluding devices may be used to facilitate insertion of working devices such as endoscopes, wires, probes, needles, catheters, balloon catheters, dilation catheters, dilators, balloons, tissue cutting or remodeling devices, suction or irrigation devices, imaging devices, sizing devices, biopsy devices, image-guided devices containing sensors or transmitters, electrosurgical devices, energy emitting devices, devices for injecting diagnostic or therapeutic agents, devices for implanting devices such as stents, substance eluting or delivering devices and implants, etc.

Classifications:

International (IPC 8-9): A61B17/12 A61B17/16 A61B17/24 A61B17/32 A61B17/3207 A61B19/00 A61B19/02 A61B5/06 A61F11/00 A61F2/958 A61M25/10 A61M29/02 A61M31/00 (Advanced/Invention); A61B10/06 A61B17/00 A61B17/34 A61B18/00 A61F2/958 A61M25/00 (Advanced/Non-invention)
CPC: A61B5/065 A61B10/06 A61B17/1204 A61B17/12045 A61B17/12104 A61B17/12136 A61B17/1604 A61B17/1608 A61B17/1679 A61B17/1688 A61B17/24 A61B17/32002 A61B17/32075 A61B17/3478 A61B2017/00247 A61B2017/003 A61B2017/3486 A61B2017/3488 A61B2018/00392 A61F2/958 A61F2250/0067 A61M25/007 A61M2025/105 A61M2025/1052 A61F11/002 A61M25/10 A61B2017/320004 A61B34/20 A61B50/13 A61B50/15 A61B50/20 A61B90/16 A61B90/361 A61B2034/2051

European: A61B17/12P1T A61B17/12P1T2 A61B17/12P4 A61B17/12P5A A61B17/12P7B A61B17/16C A61B17/16C2E A61B17/16S10 A61B17/16S18 A61B17/24 A61B17/295B A61B17/3207P A61B17/32E2 A61B19/02H A61B19/52H12 A61M25/10 K61B10/06 K61B17/00E1C2 K61B17/00E3G K61B17/32A K61B17/34Q K61B17/34R2B2 K61B17/34R2B4 K61B18/00F6A8 K61B19/02F2 K61B19/02F6 K61B19/20D2 K61B19/52D K61B19/52H12B4 K61F2/958 K61F250/00W5 K61M25/00T10C K61M25/10Z3 K61M25/10Z4
US: 604/514 606/196 606/196P



Family:

Publication number	Publication date	Application number	Application date
US2008132938 AA	20080605	US20070926565	20071029
US8961495 BB	20150224	US20070926565	20071029

Priority:

US20040829917 20040421 US20040912578 20040804 US20070926565 20071029
US20050037548 20050118 US20040944270 20040917

Probable Assignee: ACCLARENT INC

Assignee(s): (std): ACCLARENT INC ; CHANG JOHN Y ; LAMSON THEODORE C ; MAKOWER JOSHUA ; VRANY JULIA D ; WALKER AMRISH JAYPRAKASH

Inventor(s): (std): CHANG JOHN Y ; LAMSON THEODORE C ; MAKOWER JOSHUA ; VRANY JULIA D ; WALKER AMRISH JAYPRAKASH

Agent(s): TOWNSEND AND TOWNSEND AND CREW LLP; FROST BROWN TODD LLC

12) Family number: 43432622 (US2009163890A)

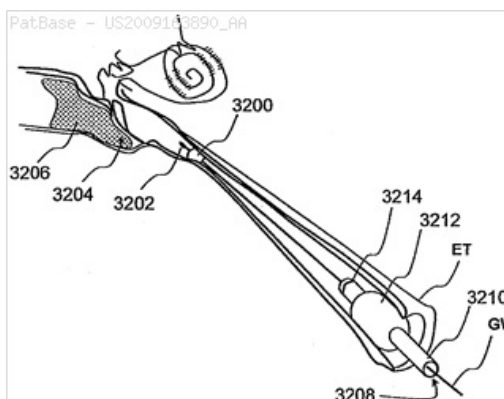
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Title: METHOD AND SYSTEM FOR ACCESSING, DIAGNOSING AND TREATING TARGET TISSUE REGIONS WITHIN THE MIDDLE EAR AND THE EUSTACHIAN TUBE

Abstract: Source: US2009163890A Method and systems for accessing a Eustachian tube of a patient are disclosed. The system includes a guide configured for passing into a nasal passage of the patient to position a distal tip of the catheter at or near a Eustachian tube, the guide having distal tip with a bend having an angle between 30 and 90 degrees; and a guidewire configured to pass through the guide into the Eustachian tube.

Classifications:

International (IPC 8-9): A61B1/00 A61B1/06 A61B1/07 A61B1/227 A61B1/233 A61B17/00 A61B17/12 A61B17/32 A61B17/3207 A61B18/00 A61B18/18 A61B18/20 A61B5/00 A61B5/055 A61B8/12 A61F11/00 A61F2/18 A61F2/82 A61F2/84 A61F2/95 A61F2/958 A61K31/00 A61L29/00 A61M25/00 A61M25/01 A61M25/06 A61M25/09 A61M25/10 A61M29/00 A61M29/02 (Advanced/Invention); A61B1/06 A61B17/32 A61F11/00 A61F2/18 A61M25/10 A61M29/00 A61M29/02 (Core/Invention)
CPC: A61M25/0032 A61M25/01 A61M25/0102 A61M25/0105 A61M25/0147 A61M31/00 A61M2025/0008 A61M2025/0166 A61M2025/1075 A61N1/30 A61M25/0026 A61M29/02 A61B1/233 A61B5/036 A61B8/12 A61B17/24 A61B18/08 A61B18/20 A61F11/004 A61M25/0041 A61M25/0054 A61M25/0068 A61M25/007 A61M25/008 A61M25/0662 A61M25/09 A61M25/10 A61M25/1002 A61M31/002 A61M2025/0037 A61M2025/0039 A61M2025/09008 A61M2025/09183 A61M2025/105 A61M2025/1054 A61M2025/1086 A61N7/02 A61B5/411 A61F11/002 A61B1/07 A61B5/6852 A61B17/12104 A61B17/12131 A61B17/00234 A61F2250/0067 A61B2017/00787 A61B2017/00296 A61B2018/00327 A61B2018/144 A61M25/0067 A61F11/00 A61B1/227 A61B1/00082 A61B1/0051 A61B1/015 A61B5/415
European: A61B1/227 A61B1/233 A61B17/24 A61B5/03H A61B5/41B A61B5/41J2 A61B8/12 A61M25/00R2 A61M25/00S3 A61M25/00T10 A61M25/06H A61M25/09 A61M25/10 A61M25/10A A61M29/02 A61M31/00 A61M31/00D A61N7/02 K61B1/233 K61B18/08 K61B18/20 K61F11/00C K61M25/00F K61M25/00R1M K61M25/00R1M16 K61M25/00R1M18 K61M25/00R1M8 K61M25/00S3 K61M25/00T10C K61M25/00T30 K61M25/01 K61M25/01A K61M25/01C K61M25/01C10K K61M25/01C11



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US: 600/249 600/249S 600/424 600/424S 600/438 600/438S 600/478 600/585 600/585S 604/103.01 604/103.010S
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606/162S 606/167 606/167S 606/191 606/191S 606/196 606/196S 606/45 606/45S 623/10 623/10S

Family:

Publication number	Publication date	Application number	Application date
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CA2785652 AA	20120626	CA20102785652	20101227
CN102740920 A	20121017	CN201080060564	20101227
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JP2013515591 T2	20130509	JP20120547223T	20101227
JP2015109990 A2	20150618	JP20150005722	20150115
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RU2012132456 A	20140210	RU20120132456	20101227
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US2010198191 AA	20100805	US20090649078	20091229
US2010274188 AA	20101028	US20100777856	20100511
US2015202089 AA	20150723	US20150674639	20150331
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WO16160967 A1	20161006	WO2016US24978	20160330

Priority:

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US20070015647P 20071220 US20080340226 20081219 US20090649078 20091229
US20100777856 20100511 WO2010US62161 20101227 US20150674639 20150331

Probable Assignee: ACCLARENT INC

Assignee(s): (std): ACCARLENT INC ; ACCLARENT INC ; AKKLARENT INK ; BRIGHT EARL A ; CLIFFORD ANTON G ;
MAKOWER JOSHUA ; CHANG JOHN Y ; GOLDFARB ERIC ; MORRISS JOHN H ; VRANY JULIA D

Assignee(s): VRANY JULIE D

Inventor(s): (std): ANTON G CLIFFORD ; BRIGHT II EARL A ; CAMPBELL PETER F ; CHANG JOHN Y ; CLIFFORD ANTON ;
EARL A BRIGHT ; GOLDFARB ERIC ; HA HUNG V ; HARFE DANIEL T ; JOHN H MORRISS ; JULIA D
VRANY ; LAM SIVETTE ; MAKOWER JOSHUA ; MORRISS JOHN H ; MUNI KETAN P ; NGUYEN ANDREW ;
VRANY JULIA D ; JULIA VRANY ; JOSHUA MAKOWER ; ERIC GOLDFARB ; BRIGHT EARL A ; VREHNI
DZHULJA D ; MORRISS DZHON KH ; MAKOWER DZHOSHUA ; KLIFFORD ANTON G ; GOLDFABR EHRIC ;
CLIFFORD ANTON G ; CHANG DZHON J ; BRAJT EHRL A ; VRANY JULIE D

Inventor(s): VRANY JULIA

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; NORTON ROSE CANADA SENCRL SRL LLP; JAMES
ANTHONY CHRISTOPHER WP; JAMES ANTHONY CHRISTOPHER W P; KATO MASANOBU; TOWNSEND
AND TOWNSEND AND CREW LLP ACCLARENT INC 73608; STEPTOE AND JOHNSON ACCLARENT INC;
HANLEY JOHN V; SHIRTZ JOSEPH F 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
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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

13) Family number: 43815967 (US2011086101A)

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Title: DISPERSINB, 5-FLUOROURACIL, DEOXYRIBONUCLEASE I AND PROTEINASE K-BASED ANTIBIOFILM COMPOSITIONS
AND USES THEREOF

Abstract: Source: US2011086101A The present invention provides antibiofilm composition comprising two or more agents
selected from the group consisting of DispersinB™, 5-Fluorouracil, Deoxyribonuclease I and Proteinase K for preventing
growth and proliferation of biofilm-embedded microorganisms in wound care, oral care, and disease-related infections and
methods of treatment in mammals. The invention further provides methods for preparing medical devices, and wound care
devices using an antibiofilm composition comprising two or more antimicrobial agents selected from the group consisting of
DispersinB™, 5-Fluorouracil, Deoxyribonuclease I and Proteinase K.

Classifications:

International (IPC 8-9): A61F2/30 A61K31/513 A61K38/46
A61K38/47 A61K38/48 A61K9/14 A61L15/38 A61L15/46 A61L27/54
A61L29/14 A61L29/16 A61L31/16 A61M16/04 A61P1/02 A61P11/00
A61P17/02 A61P31/00 A61P31/04 A61P31/10 A61P35/00 B05D1/02
C12N9/00 C12N9/22 C12N9/24 C12N9/50
C12N9/58 (Advanced/Invention);
A61K31/513 A61K38/43 A61L15/16 A61L27/00 A61L29/00 A61L31/14
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C12N9/24 C12N9/50 (Core/Invention)

CPC: A61K38/465 C12Y301/21001 C12Y302/01052 C12Y304/21064
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A61L2300/45

European: A61K31/513 A61K38/46 A61K38/47 A61K38/48K
A61L15/38 A61L15/46 A61L29/16 K61L300/204 K61L300/254
K61L300/404 K61L300/450

US: 128/207.18 128/207.180S 424/484 424/484P 424/94.6
424/94.600S 424/94.61 424/94.610S 424/94.64 424/94.640S
424/94.65 435/183 435/199 435/199S 435/200 435/200S 435/219
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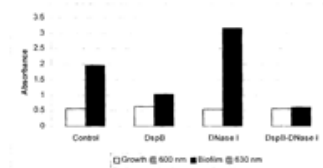


Figure 1.

Family:

Publication number	Publication date	Application number	Application date
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DE602009026590 D1	20141023	DE200960026590T	20090403
EP2283130 A1	20110216	EP20090726733	20090403
EP2283130 A4	20121010	EP20090726733	20090403
EP2283130 B1	20140910	EP20090726733	20090403
US2011086101 AA	20110414	US20090935982	20090403
US8617542 BB	20131231	US20090935982	20090403
WO09121183 A1	20091008	WO2009CA00430	20090403

Priority:

EP20090726733 20090403 US20080041941P 20080403 WO2009CA00430 20090403
 US20090935982 20090403

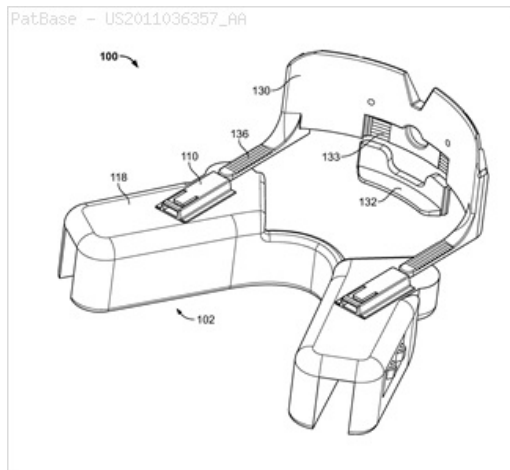
Probable Assignee: KANE BIOTECH INC**Assignee(s):** (std): GAWANDE PURUSBOTTAM ; GAWANDE PURUSHOTTAM ; KANE BIOTECH INC ; YAKANDAWALA NANDADEVA ; MADHYASTHA SRINIVASA ; LOVETRI KAREN ; KAPLAN JEFFREY B ; KAPLAN JEFFREY**Assignee(s):** KANE BIOTECH INC WINNIPEG**Inventor(s):** (std): GAWANDE PURUSBOTTAM ; GAWANDE PURUSHOTTAM ; KAPLAN JEFFREY ; KAPLAN JEFFREY B ; LOVETRI KAREN ; MADHYASTHA SRINIVASA ; YAKANDAWALA NANDADEVA**Agent(s):** RIDOUT AND MAYBEE LLP; STOLMAR AND PARTNER PATENTANWELTE PARTG MBB; VAN WESTENBRUGGE ANDRIES; NEDERLANDSCH OCTROOIBUREAU; WHYTE HIRSCHBOECK DUDEK SC**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**14) Family number: 48313002 (US2011036357A)**

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Title: MODULAR DENTAL APPLIANCE FOR IMPROVING AIRFLOW THROUGH NASAL- PHARYNGEAL AIRWAY

Abstract: Source: US2011036357A An embodiment of a device in accordance with the present invention is adapted to be positioned at least partially in a mouth of a user to reduce resistance of air flow in the oral pharyngeal region and to improve anatomic and functional relationships of the oral pharyngeal structure. The device comprises a base unit adapted to be removably mounted on a lower jaw of the mouth, a pair of tongue positioner guides, each tongue positioner guide connected at a proximal end to the base unit, and a pair of tongue positioners, each connected with a distal end of a corresponding tongue positioner guide. When the base unit is mounted on the lower jaw, the tongue positioners are adapted to be arranged beneath a tongue of the mouth so that the tongue is urged against a soft palette of the mouth to thereby reduce resistance of air flow in the oral pharyngeal region and improve anatomic and functional relationships of the oral pharyngeal structure.

Classifications:**International (IPC 8-9):** A61C5/14 A61F5/56 (Advanced/Invention)**CPC:** A61F5/566**European:** A61F5/56B**US:** 128/848 128/861

**Family:**

Publication number	Publication date	Application number	Application date
EP2464319 A1	20120620	EP20100808779	20100812
US2011036357 AA	20110217	US20100854343	20100811
US2013037037 AA	20130214	US20120589728	20120820
US8256426 BB	20120904	US20100854343	20100811
US8757164 BB	20140624	US20120589728	20120820
WO11019948 A1	20110217	WO2010US45366	20100812

Priority:

US20090233250P 20090812 US20100854343 20100811 WO2010US45366 20100812
 US20120589728 20120820

Probable Assignee: ABRAMSON MARK E

Assignee(s): (std): ABRAMSON MARK E

Assignee(s): ABRAMSON MARK

Inventor(s): (std): ABRAMSON MARK E

Agent(s): KETELAARS MAARTEN F J M; FLIESLER MEYER LLP; MEYER IP LAW GROUP; FLIESLER MARTIN C 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

15) Family number: 51605667 (US2012192874A)

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Title: OBSTRUCTIVE SLEEP APNEA TREATMENT DEVICES, SYSTEMS AND METHODS

Abstract: Source: US2012192874A Devices, systems and methods of neurostimulation for treating obstructive sleep apnea. The system is adapted to send an electrical signal from an implanted neurostimulator through a stimulation lead to a patient's nerve at an appropriate phase of the respiratory cycle based on input from a respiration sensing lead. External components are adapted for wireless communication with the neurostimulator. The neurostimulator is adapted to deliver therapeutic stimulation based on inputs.

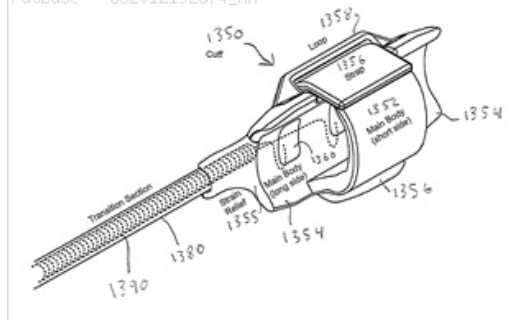
Classifications:

International (IPC 8-9): A61B1/233 A61B1/267 A61B5/00 A61B5/08 A61F5/56 A61M16/00 A61N1/00 A61N1/05 A61N1/36 A61N1/372 A61N1/39 (Advanced/Invention);

A61B17/24 A61B5/00 A61B5/08 A61F5/56 A61N1/05 A61N1/36 A61N1/372 A61N1/375 (Advanced/Non-invention)

CPC: A61B1/233 A61N1/0519 A61B2017/248 A61F5/56 A61N1/37229 A61N1/3758 A61N1/0551 A61B1/267 A61B5/08 A61B5/053 A61B5/0816 A61F5/566 A61B5/4552 A61N1/36132 A61N1/3601 A61B5/0809 A61B5/0826 A61B5/4818 A61N1/0556 A61N1/3611 A61N1/36139 A61N1/3615 A61N1/37235

US: 1/1 128/202.16 128/202.160S 128/848 600/476 607/134 607/42 607/42P 607/42S 607/48 607/62 607/62S

**Family:**

Publication number	Publication date	Application number	Application date
DE602012016241 D1	20160512	DE201260016241T	20120125
EP2667933 A2	20131204	EP20120702144	20120125
EP2667933 B1	20160330	EP20120702144	20120125
EP3061493 A1	20160831	EP20160162666	20120125
US2012192874 AA	20120802	US20110106460	20110512
US2012197340 AA	20120802	US20110251856	20111003
US2013085546 AA	20130404	US20120633670	20121002
US2014188185 AA	20140703	US20110205315	20110808
US2014228905 AA	20140814	US20140178104	20140211
US2015005642 AA	20150101	US20140475130	20140902
US2015321008 AA	20151112	US20150803779	20150720
US2016059011 AA	20160303	US20150937482	20151110

US2016089540 AA	20160331	US20150884021	20151015
US2017202482 AA	20170720	US20170418467	20170127
US8386046 BB	20130226	US20110251856	20111003
US8855771 BB	20141007	US20110205315	20110808
US9113838 BB	20150825	US20140475130	20140902
US9186511 BB	20151117	US20140178104	20140211
US9205262 BB	20151208	US20120633670	20121002
US9555247 BB	20170131	US20150803779	20150720
US9757564 BB	20170912	US20150937482	20151110
WO12103196 A2	20120802	WO2012US22522	20120125
WO12103196 A3	20120920	WO2012US22522	20120125

Priority:

EP20120702144	20120125	US20060851386P	20061013	US20070907532	20071012
US20070918257P	20070314	US20080204008P	20081231	US20070907533	20071012
US20110437573P	20110128	US20110106460	20110512	US20110205315	20110808
US20110113524	20110523	US20110467758P	20110325	US20110251856	20111003
US20100835984	20100714	US20090650045	20091230	WO2012US22522	20120125
US20140178104	20140211	US20120633670	20121002	US20110542617P	20111003
US20140475130	20140902	US20150803779	20150720	US20150937482	20151110
US20150884021	20151015	US20170418467	20170127		

Probable Assignee: CYBERONICS INC

Assignee(s): (std): APNEX MEDICAL INC ; ATKINSON ROBERT ; ATKINSON ROBERT E ; BECK JOHN ; BOSSHARD MARK R ; BOLEA STEPHEN L ; BECK JOHN P ; EASTWOOD PETER R ; CYBERONICS INC ; BOLEA STEPHEN ; HAUSCHILD SIDNEY ; SUILMANN DALE G ; PERSSON BRUCE J ; PARRISH DANIEL A ; KUHNLEY BRIAN D ; HOEGH THOMAS B ; HAUSCHILD SIDNEY F ; TESFAYESUS WONDIMENEH ; SKUBITZ JASON J ; HILLMAN DAVID R ; HOEGH THOMAS

Assignee(s): NEW ENTERPRISE ASSOCIATES 10 PARTNERSHIP LTD ; CYBERONICS INC HOUSTON

Inventor(s): (std): ATKINSON ROBERT ; ATKINSON ROBERT E ; BECK JOHN ; BECK JOHN P ; BOLEA STEPHEN ; BOLEA STEPHEN L ; BOSSHARD MARK R ; EASTWOOD PETER R ; HAUSCHILD SIDNEY ; HAUSCHILD SIDNEY F ; HILLMAN DAVID R ; HOEGH THOMAS ; HOEGH THOMAS B ; KUHNLEY BRIAN D ; PARRISH DANIEL A ; PERSSON BRUCE J ; SKUBITZ JASON J ; SUILMANN DALE G ; TESFAYESUS WONDIMENEH

Agent(s): GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; MOLNIA DAVID; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; BOOKOFF MCANDREWS PLLC; CYBERONICS INC; BOOKOFF MCANDREWS; FOLEY AND LARDNER LLP; GARRETT ARTHUR S

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 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

16) Family number: 53243093 (CN202761877U)

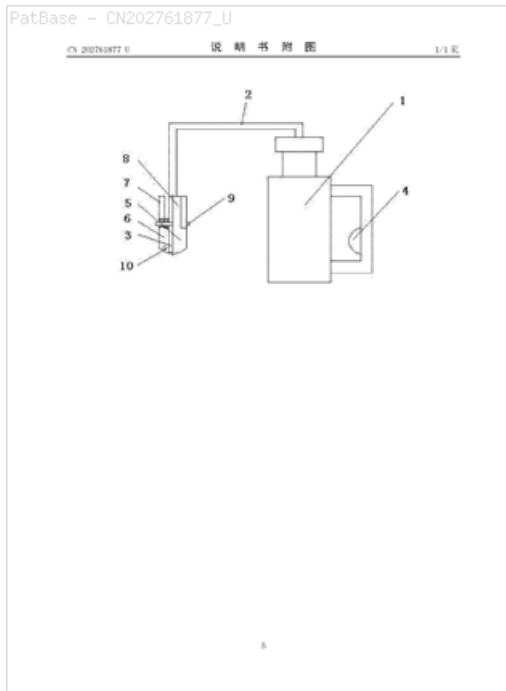
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Title: PHARYNGEAL ANESTHESIA DEVICE

Abstract: Source: CN202761877U The utility model relates to the technical field of medical devices, in particular to a pharyngeal anesthesia apparatus, including narcotics bottle, the liquid tube and nozzle, the inlet end of the tube is connected to the anesthetic bottle, the liquid phase and the nozzle end connection with a pressurized balloon on a catheter, wherein provided dilator dilator includes support plate, a lower support plate, on the handle, the lower handle, twist the shaft and the tension spring, the support plate and the lower support intermediate plate is provided with a nozzle on both sides of the support plate in the middle and lower support plates are hinged via twist axis, the support plate and the lower support plate curved front end, respectively, to facilitate the project into the mouth, the rear end of the support plate and the lower handle fixed connection, under the support plate fixedly connected to the rear end of the handle. Respectively, are connected by a tension spring between the support on both sides of the nozzle plate and the lower support plate, this utility model the above structure, a new structure, easy to use, accurate injection, good anesthetic effect and other advantages.

Classifications:

International (IPC 8-9): A61M19/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN202761877 U	20130306	CN201220427186U	20120827

Priority:

CN201220427186U 20120827

Probable Assignee: SHAO JIANTAO**Assignee(s):** (std): SHAO JIANTAO**Inventor(s):** (std): SHAO JIANTAO ; SUN YUXIA ; WANG CHUNYAN**17) Family number: 54974732 (US2013274715A)**

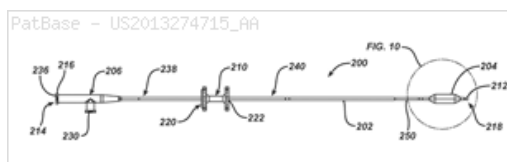
© PatBase

Title: METHOD AND SYSTEM FOR EUSTACHIAN TUBE DILATION

Abstract: Source: US2013274715A A device and method for dilating a Eustachian tube of a patient is disclosed. The device includes a guide catheter and a balloon dilation catheter. The balloon dilation catheter has an actuator that prevents injury to the middle ear. The balloon dilation catheter is slidably coupled with the guide catheter through the guide catheter lumen and is fully inserted into the guide catheter lumen when the distal side of the actuator is adjacent to the proximal end of the guide catheter. The method involves advancing the guide catheter and balloon dilation catheter through a nasal passage of the patient to dilate a portion of the Eustachian tube.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/22 A61B17/24 A61F11/00 A61M25/01 A61M25/06 A61M25/10 A61M29/00 A61M29/02 (Advanced/Invention)
CPC: A61B2017/00787 A61B2017/22051 A61F11/004 A61M25/005 A61M25/0052 A61M25/0053 A61M25/0105 A61M25/0662 A61M2025/0681 A61M25/01 A61M25/1036 A61M29/00 A61M2210/0675 F04C2270/0421 A61M29/02 A61B17/22 A61B17/24 A61M25/10
US: 604/275 604/514 606/196

**Family:**

Publication number	Publication date	Application number	Application date
AU2013245738 AA	20131017	AU20130245738	20130412
CA2869872 AA	20141007	CA20132869872	20130412
CN104220014 A	20141217	CN201380019699	20130412
EP2836137 A1	20150218	EP20130720177	20130412
IN08042DN2014 A	20150501	IN2014DN08042	20140926
JP2015516212 T2	20150611	JP20150505954T	20130412
KR20140145619 A	20141223	KR20147031677	20130412
MX2014012372 A1	20141126	MX20140012372	20130412
RU2014145554 A	20160610	RU20140145554	20130412
US2013274715 AA	20131017	US20130826454	20130314
WO13155450 A1	20131017	WO2013US36430	20130412

Priority:

US20120623833P 20120413 US20130826454 20130314 WO2013US36430 20130412

Probable Assignee: ACCLARENT INC**Assignee(s):** (std): CHAN RANDY S ; HA HUNG V ; NGUYEN ANDY ; MUNI KETAN P ; ACCLARENT INC**Assignee(s):** ACCLARENT INC1525-B O'BRIEN DRIVEMENLO PARKCA94025US**Inventor(s):** (std): CHAN RANDY S ; HA HUNG V ; MUNI KETAN P ; NGUYEN ANDY**Inventor(s):** NGUYEN ANDYUS ; MUNI KETAN PUS ; HA HUNG VUS ; CHAN RANDY SUS**Agent(s):** CALLINANS; FISHER ADAMS KELLY CALLINANS; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; CARPMAELS AND RANSFORD LLP; KATO MASANOBU; JOHNSON PHILIP S 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 IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

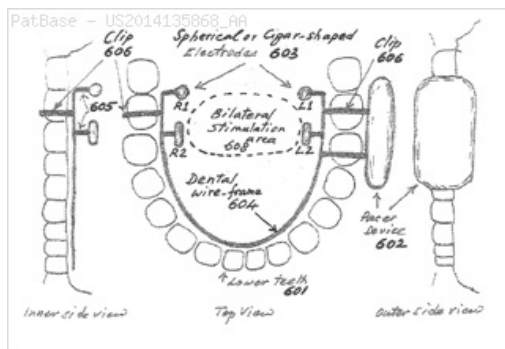
18) Family number: 56438752 (US2014135868A)

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Title: NON-INVASIVE INTRAORAL ELECTRICAL STIMULATOR SYSTEM AND METHOD FOR TREATMENT OF OBSTRUCTIVE SLEEP APNEA (OSA)

Abstract: Source: US2014135868A A non-invasive, removable intraoral electrical Stimulator or Pacemaker system and method is described, for electrically-stimulating and re-establishing the tone in the upper pharyngeal dilator muscle, the genioglossus and base-of-tongue muscles, for the treatment of Obstructive Sleep Apnea (OSA) in human adults and young adults. The Stimulator system consists of an intraoral Stimulator device assembly with a rechargeable battery, an external (inductive) Recharger appliance and an external hand-held (inductive) Programmer appliance. The Stimulator device assembly is inserted into the mouth by the OSA patient before sleep time and is removed when awake or during normal activity and placed in the charging cradle of the Recharger appliance for recharging the device battery. The physician uses the hand-held Programmer appliance to determine and set the patient-specific stimulation therapy parameters in the device, at the patient's initial evaluation. The stimulation therapy is delivered either in an open loop configuration without regard to patient's respiration activity, or in a closed loop configuration synchronized to the patient's respiration detected by one or more sensors in the system.

Classifications:**International (IPC 8-9):** A61N1/36 A61N1/372 (Advanced/Invention)**CPC:** A61N1/0548 A61N1/3601 A61N1/37235 A61F5/566**US:** 607/42



Family:

Publication number	Publication date	Application number	Application date
US2014135868 AA	20140515	US20130074694	20131107

Priority:

US20120724881P 20121109 US20130074694 20131107

Probable Assignee: BASHYAM JACOB BASHYAM

Assignee(s): (std): BASHYAM JACOB BASHYAM

Inventor(s): (std): BASHYAM JACOB BASHYAM

19) Family number: 56895844 (US2014200443A)

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Title: DEVICES, SYSTEMS AND METHODS FOR TREATING DISORDERS OF THE EAR, NOSE AND THROAT

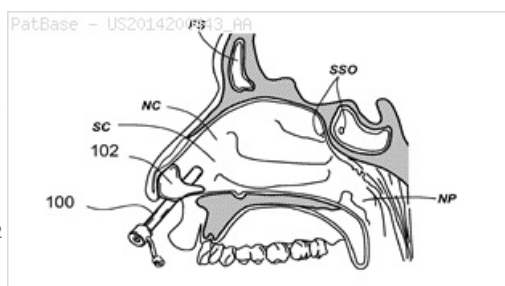
Abstract: Source: US2014200443A Sinusitis, mucocysts, tumors, infections, hearing disorders, choanal atresia, fractures and other disorders of the paranasal sinuses, Eustachian tubes, Lachrymal ducts and other ear, nose, throat and mouth structures are diagnosed and/or treated using minimally invasive approaches and, in many cases, flexible catheters as opposed to instruments having rigid shafts. Various diagnostic procedures and devices are used to perform imaging studies, mucus flow studies, air/gas flow studies, anatomic dimension studies and endoscopic studies. Access and occluding devices may be used to facilitate insertion of working devices such as endoscopes, wires, probes, needles, catheters, balloon catheters, dilation catheters, dilators, balloons, tissue cutting or remodeling devices, suction or irrigation devices, imaging devices, sizing devices, biopsy devices, image-guided devices containing sensors or transmitters, electrosurgical devices, energy emitting devices, devices for injecting diagnostic or therapeutic agents, devices for implanting devices such as stents, substance eluting or delivering devices and implants, etc.

Classifications:

International (IPC 8-9): A61B17/12 A61B17/16 A61B17/24 A61B17/32 A61B17/3207 A61B19/02 A61B5/06 A61F11/00 A61F2/958 A61M25/10 A61M29/00 (Advanced/Invention); A61B10/06 A61B17/00 A61B17/34 A61B18/00 A61B19/00 A61F2/958 A61M25/00 (Advanced/Non-invention)

CPC: A61B5/065 A61B10/06 A61B17/1204 A61B17/12045 A61B17/12104 A61B17/12136 A61B17/1604 A61B17/1608 A61B17/1679 A61B17/1688 A61B17/24 A61B17/32002 A61B17/32075 A61B17/3478 A61B2017/00247 A61B2017/003 A61B2017/320004 A61B2017/3486 A61B2017/3488 A61B2018/00392 A61F2/958 A61F2250/0067 A61M25/007 A61M2025/105 A61M2025/1052 A61F11/002 A61M25/10 A61B34/20 A61B50/13 A61B50/15 A61B50/20 A61B90/16 A61B90/361 A61B2034/2051

US: 1/1 600/424 606/191



Family:

Publication number	Publication date	Application number	Application date
US2014200443 AA	20140717	US20140221621	20140321
US9241834 BB	20160126	US20140221621	20140321

Priority:

US20040829917 20040421 US20040912578 20040804 US20100828170 20100630
US20070926565 20071029 US20050037548 20050118 US20040944270 20040917
US20140221621 20140321

Probable Assignee: ACCLARENT INC

Assignee(s): (std): ACCLARENT INC

Inventor(s): (std): CHANG JOHN Y ; LAMSON THEODORE C ; MAKOWER JOSHUA ; VRANY JULIA D ; WALKE AMRISH JAYPRAKASH

Agent(s): FROST BROWN TODD LLC

20) Family number: 60003840 (US2015216710A)

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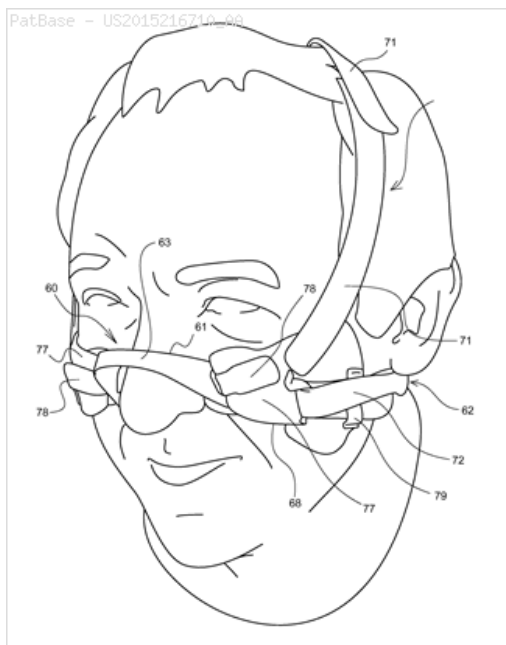
Title: DEVICES TO DILATE NASAL AIRWAYS FOR VARIOUS APPLICATIONS INVOLVING: ACTIVITIES USING GOGGLES WITH A HELMET OR GOGGLES ALONE; SWIMMING WITH GOGGLES, WITHOUT OR WITH A SWIM CAP; SLEEP; SLEEP WITH A CPAP MASK; AND FOR PHYSICAL ACTIVITIES

Abstract: Source: US2015216710A Medical devices are disclosed as providing nasal airway dilation in subjects in need thereof whose nasal airways are partially or completely blocked, such as for sleep; with CPAP masks; for exercise; wearing goggles alone or with helmets; and for swimming. In an aspect, the devices with a group of applications provide nasal dilation to overcome obstruction caused by nasal valve dysfunction. Methods of employing the same to dilate nasal airways are further disclosed.

Classifications:

International (IPC 8-9): A42B1/12 A42B3/06 A42B3/08 A61F5/08

A61F9/02 A61F9/04 A61M16/00 A61M16/06 A61M29/00 A62B29/00
A62B9/04 G02C11/00 G02C3/00 G02C5/14
G02C5/20 (Advanced/Invention)
CPC: A61F5/08 A61F9/04 A61F9/029 A61M16/0057 G02C5/143
G02C3/003 G02C3/006 G02C11/00 G02C2200/32 A61M16/06
A61M16/0683 A61M2210/0618 A61M29/00 A42B3/066 A42B1/12
A42B3/08 A61F9/027 A61M2016/0661 A61M16/0622 A61M16/0694
US: 1/1 128/205.25 128/858 351/123 606/204.45



Family:

Publication number	Publication date	Application number	Application date
US2015216710 AA	20150806	US20140512023	20141010
US2015293374 AA	20151015	US20140339135	20140723
US2015313747 AA	20151105	US20150799252	20150714
US9104044 BA	20150811	US20140339135	20140723
US9119708 BB	20150901	US20140512023	20141010
US9140906 BA	20150922	US20140339135	20140723
WO15116369 A1	20150806	WO2015US10950	20150112
WO15157056 A1	20151015	WO2015US23793	20150401

Priority:

US20140339135 20140723 US20140512023 20141010 US20140978430P 20140411
US20140955881P 20140320 US20140933935P 20140131 US20150799252 20150714

Probable Assignee: NOZEWAIR LLC

Assignee(s): (std): HUGGOPTICS LLC ; NOZEWAIR LLC ; WANDERER ALAN

Assignee(s): WANDERER ALAN DR

Inventor(s): (std): BERG REBECCA K ; CARLSTROM SETH ; GRANTHAM EWAN R ; WALKER ROSS ; WANDERER ALAN ; WANDERER DR ALAN ; YAKOS DAVID

Agent(s): MCKEE VOORHEES AND SEASE PLC; LINK JILL N 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 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

21) Family number: 61544912 (WO16014999A1)

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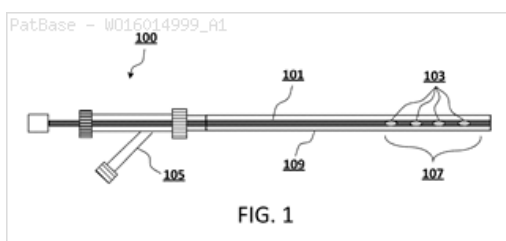
Title: LIGHTED ENDOSCOPY FOR IDENTIFYING ANATOMICAL LOCATIONS

Abstract: Devices, systems, and methods are provided herein for identifying an anatomical location inside a lumen or a space in the body of a subject undergoing endoscopic surgery. A catheter includes a proximal end and a distal end. The distal end includes one or more light emission areas. The shape of the catheter can be determined based on light transmitted from the one or more light emission areas through a wall of a lumen or space within the body of a subject. Also disclosed herein are methods for conducting an endoscopic procedure using any one of the disclosed catheters. These methods facilitate identification of the anatomical location associated with the surgery to aid in the performance various operations, for example, removing anatomic structures or debris from the anatomical location, dilating the lumen or the space, and, for placing a second device.

Classifications:

International (IPC 8-9): A61B1/04 (Advanced/Invention)

CPC: A61B2090/309 A61M2025/1052 A61M25/0067



Family:

Publication number	Publication date	Application number	Application date
WO16014999 A1	20160128	WO2015US42093	20150724

Priority:

US20140028588P 20140724

Probable Assignee: MACOMBER CHRISTOPHER W
Assignee(s): (std): MACOMBER CHRISTOPHER W ; SCHWARTZ JOHN
Inventor(s): (std): MACOMBER CHRISTOPHER W ; SCHWARTZ JOHN
Agent(s): SPARKS JONATHAN M 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 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

22) Family number: 66793136 (CO20170007268U) © PatBase

Title: DISPOSITIVO DILATADOR DE FARINGE POR MEDIO DE AVANCE MANDIBULAR Pharyngeal DILATOR DEVICE BY MEANS OF MANDIBULAR ADVANCEMENT (Machine translation)

Classifications:
International (IPC 8-9): A61C13/32 A61F5/04 A61F5/048 A61F5/058 (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
CO20170007268 U1	20170818	CO20170007268U	20170720

Priority:
CO20170007268U 20170720

Probable Assignee: OSCAR RODRIGO FUENTES PENA
Assignee(s): OSCAR RODRIGO FUENTES PENA
Inventor(s): OSCAR RODRIGO FUENTES PENA