

Diego Gonzlez

1) Family number: 29580757 (US2006025760A)

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Title: BLOOD DETECTOR FOR CONTROLLING ANESU AND METHOD THEREFOR

Abstract: A method and electrosurgical system for optically detecting blood and controlling an electrosurgical generator are provided. An optical blood detection system is used for optically detecting blood and may be included as an integral part of the overall electrosurgical system's circuitry, or may be designed as a separate unit that connects to, and controls, an electrosurgical generator. The optical blood detection system may be embodied through a variety of analog, digital and/or optical circuit components or arrangements, including software running on computational and memory circuitry. The optical blood detection system controls the output mode and energy of the electrosurgical generator in accordance with the amount of blood detected.

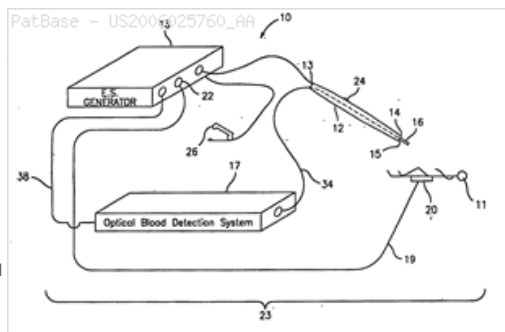
Classifications:

International (IPC 8-9): A61B18/12 A61B18/14 A61B18/18
A61B6/00 G01N21/00 G01N21/21 G01N21/27 G01N21/35 G01N21/47
G01N21/64 G01N21/65 G01N29/00 (Advanced/Invention);
A61B5/00 (Advanced/Non-invention)

International (IPC 1-7): A61B18/12 G01N21/00 G01N21/21
G01N21/27 G01N21/35 G01N21/47 G01N21/64 G01N21/65
G01N29/00

CPC: A61B5/0071 A61B5/0075 A61B5/0084 A61B5/0086
A61B5/02042 A61B18/1206 A61B18/1402 A61B2017/00057
A61B2018/00642

European: A61B18/12G A61B18/14B K61B17/00C1L K61B18/00H2
K61B5/00P12B K61B5/00P12B2 K61B5/00P5 K61B5/00P7 K61B5/02H
US: 600/477 606/34 606/38 606/38P 606/41 606/45 606/45S 606/49
606/49S



Family:

Publication number	Publication date	Application number	Application date
AT371413 E	20070915	AT20030741779T	20030506
AU2003265331 AA	20031117	AU20030265331	20030506
AU2003265331 BB	20080320	AU20030265331	20030506
AU2008202721 AA	20080710	AU20080202721	20080620
AU2008202721 AB	20081002	AU20080202721	20080620
AU2008202721 BB	20110414	AU20080202721	20080620
CA2484875 AA	20041104	CA20032484875	20030506
CA2484875 C	20130423	CA20032484875	20030506
DE60315970 D1	20071011	DE20036015970	20030506
DE60315970 D1	20071011	DE20036015970T	20030506
DE60315970 T2	20080521	DE20036015970T	20030506
EP1501435 A1	20050202	EP20030741779	20030506
EP1501435 B1	20070829	EP20030741779	20030506
ES2289307 T3	20080201	ES20030741779T	20030506
JP2005524441 T2	20050818	JP20040500710T	20030506
JP4490807 B2	20100630	JP20040500710T	20030506
US2006025760 AA	20060202	US20030513764	20030506
US7749217 BB	20100706	US20030513764	20030506
WO03092520 A1	20031113	WO2003US14155	20030506

Priority:

US20020378290P 20020506 US20020392008P 20020626 AU20030265331 20030506
US20030513764 20030506 WO2003US14155 20030506 US20050513764 20050705
AU20080202721 20080620

Probable Assignee: COVIDIEN AG

Assignee(s): (std): COVIDIEN AG ; PODHAJSKY RONALD J ; SHERWOOD SERV AG ; SHERWOOD SERVICES AG

Assignee(s): TYCO HEALTHCARE GROUP AG

Inventor(s): (std): PODHAJSKY RONALD J ; RONALD J PODHAJSKY ; PODHAJSKY RONALD

Agent(s): SPRUSON AND FERGUSON; MCFADDEN FINCHAM; MCFADDEN FINCHAM INC; OSLER HOSKIN AND
HARCOURT LLP; UNITED STATES SURGICAL, A DIVISION OF TYCO HEALTHCARE GROUP LP; UNITED
STATES SURGICAL A DIVISION OF TYCO HEALTHCARE GROUP LP

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
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2) Family number: 70862493 (WO18152005A1)

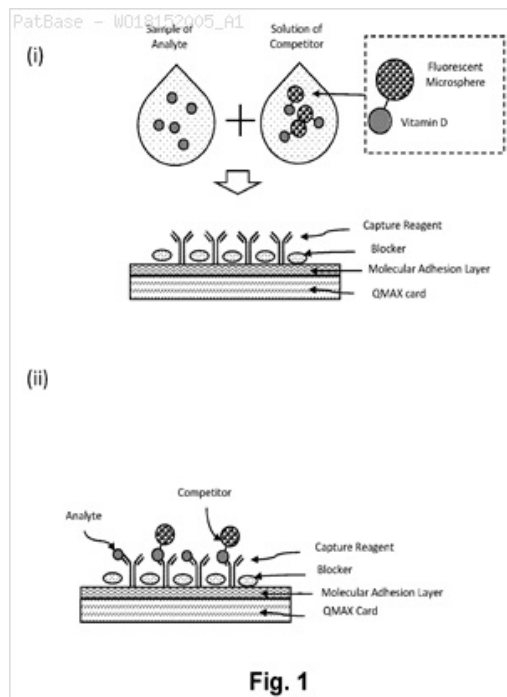
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Title: QMAX ASSAYS AND APPLICATIONS

Abstract: The present invention provides, among other things, QMAX card based assays in different forms for various analytes, offering simpler, fast, more sensitive assaying.

Classifications:

International (IPC 8-9): G01N1/10 G01N21/31 G01N21/64
G01N27/22 G01N33/48 (Advanced/Invention)
CPC: G01N1/405 G01N33/54366 G01N33/558 G01N21/648
G01N21/65 G01N21/69 G01N21/76 G01N33/49



Family:

Publication number	Publication date	Application number	Application date
W018152005 A1	20180823	WO2018US17499	20180208
W018152005 A9	20181220	WO2018US17499	20180208

Priority:

US20170456528P 20170208 US20170456537P 20170208 US20170456628P 20170208
US20170456631P 20170208 US20170456585P 20170208

Probable Assignee: ESSENIX CORP

Assignee(s): (std): ESSENIX CORP

Inventor(s): (std): DING WEI ; QI JI ; ZHANG YUFAN ; LI JI ; CHOU STEPHEN

Inventor(s): CHOU STEPHEN Y

Agent(s): HARIHARAN VENKATESH

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

3) Family number: 52073723 (US2012252127A)

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Title: OPTICAL BLOOD COAGULATION MONITOR AND METHOD

Abstract: An optical blood coagulation monitor and method. The monitor has a blood sample holder, a laser with its output light directed through the blood sample, a two-dimensional detector that is able to detect light at the laser light wavelength and that has a detector output, optics for imaging onto the detector laser light that is forward scattered by the blood, and a data analysis system, responsive to the detector output, that is adapted to analyze the detected light to provide information on time-resolved coagulation and clotting properties of the blood.

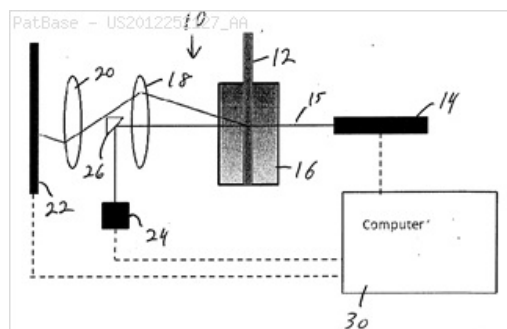
Classifications:

International (IPC 8-9): G01N21/47 G01N21/49 G01N21/51
G01N33/48 G01N33/86 (Advanced/Invention)

CPC: G01N21/82 G01N21/51 G01N2021/4707

European: G01N21/51 G01N21/82 S01N21/47B2

US: 356/39 422/73 422/82.05 422/82.09 436/164 436/63 436/69
600/369 73/64.41 73/64.43



Family:

Publication number	Publication date	Application number	Application date
US2012252127 AA	20121004	US20120435052	20120330
US8697449 BB	20140415	US20120435052	20120330

Priority:

US20110470610P 20110401 US20120435052 20120330

Probable Assignee: SPECTRAL SCIENCES INC

Assignee(s): (std): BANSIL RAMA ; GREGOR BRIAN ; SPECTRAL SCIENCES INC ; SPRING JULIAN D

Inventor(s): (std): SPRING JULIAN D ; BANSIL RAMA ; GREGOR BRIAN
Agent(s): BRIAN M; DINGMAN IP LAW PC

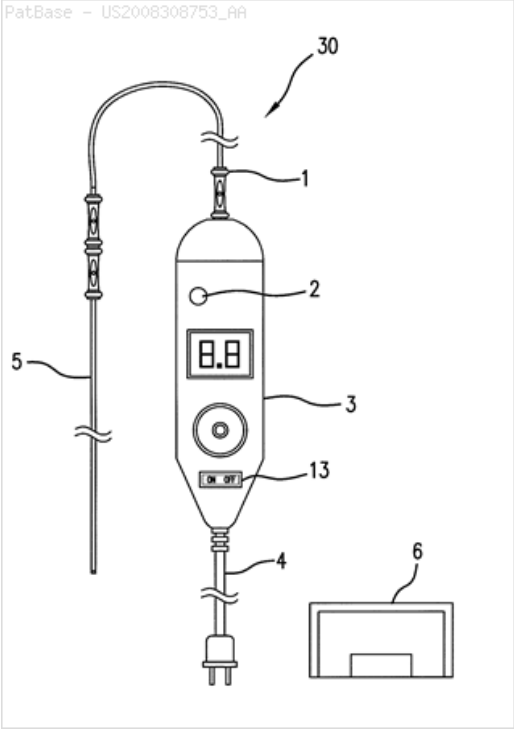
4) Family number: 42673102 (US2008308753A) © PatBase

Title: FLEXIBLE INFRARED DELIVERY APPARATUS AND METHOD

Abstract: A flexible infrared delivery apparatus useful for endoscopic infrared coagulating of human or animal blood and tissue or for other uses employs a source of infrared radiation which is not a laser and an elongated flexible fiber optic member which transmits radiation from the source to a contact portion at a distal end of the member and to a material such as human or animal tissue proximate the contact portion. The elongated member has an outer diameter which enables it to be inserted into and through an accessory channel of an endoscope to view the human or animal tissue or material to be treated with infrared radiation. A connector on the proximal end of the member allows the elongated member to be quickly connected to and disconnected from the apparatus where the member is aligned for receiving infrared radiation from the source. The contact portion defines a size, direction and shape of a radiation delivery area from the member to the human or animal tissue or material proximate the contact portion.

Classifications:

International (IPC 8-9): A61B1/00 A61B1/005 A61B1/012
A61B18/18 A61N5/06 (Advanced/Invention);
A61B1/005 A61B1/012 A61B17/94 (Advanced/Non-invention);
A61B1/00 A61B1/005 A61B1/012 A61B18/18
A61N5/06 (Core/Invention)
International (IPC 1-7): A61B1/00
CPC: A61B2018/00589 A61B2018/00982 A61B18/18 A61B2018/1807
A61B18/22
European: A61B18/18 K61B18/18L K61B18/22
US: 250/504.00H 250/504.00RP 250/504H 250/504R 606/15 606/16
606/17 607/88 607/90 607/93



Family:

Publication number	Publication date	Application number	Application date
CA2690560 AA	20091211	CA20082690560	20080612
CA2690560 C	20130910	CA20082690560	20080612
CN101808565 A	20100818	CN200880102733	20080612
EP2166921 A1	20100331	EP20080768373	20080612
EP2166921 A4	20100707	EP20080768373	20080612
IN00142KN2010 A	20100430	IN2010KN00142	20100113
JP2010529885 T2	20100902	JP20100512183T	20080612
KR20100036323 A	20100407	KR20107001044	20080612
US2008308753 AA	20081218	US20080137691	20080612
US7977658 BB	20110712	US20080137691	20080612
WO08156623 A1	20081224	WO2008US07320	20080612

Priority:

US20070929164P 20070615 US20080137691 20080612 WO2008US07320 20080612

Probable Assignee: PRECISION ENDOSCOPIC TECHNOLOGIES LLC

Assignee(s): (std): EPSTEIN MICHAEL S ; MAX ENDOSCOPY INC ; PREC ENDOSCOPIC TECHNOLOGIES ; WOLF RICHARD M ; STUBA ROBERT M

Assignee(s): PRECISION ENDOSCOPIC TECHNOLOGIES ; PRECISION ENDOSCOPIC TECHNOLOGIES LLC ; PRECISION ENDOSCOPIC TECHNOLOGY

Inventor(s): (std): EPSTEIN MICHAEL S ; WOLF RICHARD M ; STUBA ROBERT M

Inventor(s): STUBA ROBERT ; WOLF RICHARD ; EPSTEIN MICHAEL

Agent(s): SIM AND MCBURNEY; IRNIGER ERNST; ANTONELLI TERRY STOUT AND KRAUS LLP; SHORE RONALD J

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

5) Family number: 20653367 (US5922551A) © PatBase

Abstract: Methodology which avoids the problems associated with interference from whole blood is provided for instrumented determination of platelet binding function. Particularly, small particles to which fibrinogen is bound, and which contain an infrared light absorbing dye, are used to determine the binding of platelets in a whole blood sample to the fibrinogen. Agglutination of the platelets with the coated particles is determined by a change in infrared light absorption characteristics.

Classifications:

International (IPC 8-9): C12Q1/56 G01N33/53 G01N33/543 G01N33/544 G01N33/545 G01N33/546 G01N33/551 G01N33/567 G01N33/86 (Advanced/Invention); C12Q1/56 G01N33/543 G01N33/544 G01N33/551 G01N33/567 (Core/Invention)

International (IPC 1-7): C12Q1/56 G01N33/543 G01N33/544 G01N33/545 G01N33/546 G01N33/551 G01N33/557 G01N33/567 G01N33/86

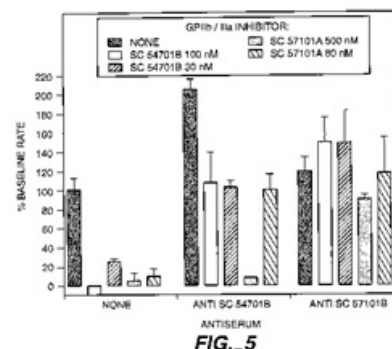
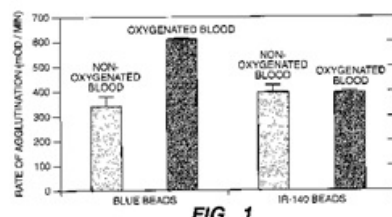
CPC: G01N33/54346

European: G01N33/543D6

US: 435/13 435/7.21 435/7.8 436/164 436/518 436/523 436/524 436/534 436/69

PatBase - US5922551_R

U.S. Patent Jul. 13, 1999 Sheet 1 of 4 5,922,551



Family:

Publication number	Publication date	Application number	Application date
AT452341 E	20100115	AT19980913184T	19980320
AU199867796 A1	19981012	AU19980067796	19980320
CA2284559 AA	19990920	CA19982284559	19980320
CA2284559 C	20090512	CA19982284559	19980320
DE69841387 D1	20100128	DE19986041387	19980320
EP1012604 A1	20000628	EP19980913184	19980320
EP1012604 A4	20020102	EP19980913184	19980320
EP1012604 B1	20091216	EP19980913184	19980320
ES2336286 T3	20100409	ES19980913184T	19980320
JP2002511925 T2	20020416	JP19980540869T	19980320
JP3881036 B2	20070214	JP19980540869T	19980320
US5922551 A	19990713	US19970820999	19970320
WO9841868 A1	19980924	WO1998US06044	19980320

Priority:

US19970820999 19970320 WO1998US06044 19980320

Probable Assignee: ACCUMETRICS INC

Assignee(s): (std): SENDX MEDICAL INC ; ACCUMETRICS INC

Assignee(s): BLACKROCK KELSO CAPITAL CORP ; ACCDX INC ; ACCRIVA DIANOGLSTIC INC ; HORIZON TECHNOLOGY FINANCE CORP ; DURBIN DENNIS A ; LEE THEODORE T ; HILLMAN ROBERT S ; RATNIKOV BORIS I ; COMERICA BANK ; SILICON VALLEY BANK ; SMITH JEFFREY W

Inventor(s): (std): DURBIN DENNIS A ; HILLMAN ROBERT S ; LEE THEODORE T ; RATNIKOV BORIS I ; SMITH JEFFREY W ; THEODORE T LEE ; SMITH JEFFREY ; ROBERT S HILLMAN ; RATNIKOV BORIS ; LEE THEODORE ; JEFFREY W SMITH ; HILLMAN ROBERT ; DURBIN DENNIS ; DENNIS A DURBIN ; BORIS I RATNIKOV

Agent(s): DENNISON ASSOCIATES; KREMER SIMON MARK

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV 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 UA UG UZ VN YU ZW

6) Family number: 45440987 (US2010152115A)

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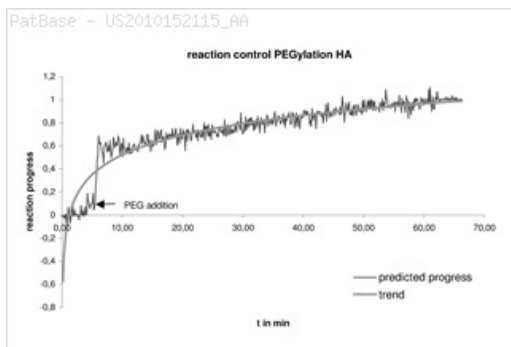
Title: DETECTION OF PHYSIOLOGICALLY ACCEPTABLE POLYMER MOLECULES USING NEAR INFRARED SPECTROSCOPY

Abstract: The present invention relates, in general, to methods for detecting the amount of a polymer on a protein using near-infrared spectroscopy. Measurement of the number of polymer moieties per protein molecule allows for production of molecules having a uniform number of polymer moieties, which is useful in the production of pharmaceutical compositions.

Classifications:

International (IPC 8-9): A61K38/16 A61P43/00 G01N21/00 G01N21/25 G01N21/35 G01N33/00 G01N33/487 G01N33/52 G01N33/53 G01N33/68 G01N33/86 (Advanced/Invention); G01N21/25 G01N33/52 G01N33/68 (Advanced/Non-invention); A61K38/16 A61P43/00 G01N21/00 G01N33/00 G01N33/487

G01N33/68 G01N33/86 (Core/Invention)
CPC: G01N33/6842 G01N21/359 G01N33/86 G01N2333/745
G01N2333/755 G01N2333/76 Y10T436/203332
European: G01N21/35G G01N33/68A8 G01N33/86 S01N333/745
S01N333/755 S01N333/76
US: 436/131 436/131S 514/1.1 514/1.100P 514/12 514/17.8
514/17.800S 514/21.4 514/21.400S



Family:

Publication number	Publication date	Application number	Application date
AU2009324447 AA	20100617	AU20090324447	20091211
AU2009324447 BB	20160225	AU20090324447	20091211
CA2746125 AA	20110607	CA20092746125	20091211
CA2746125 C	20170711	CA20092746125	20091211
DE602009017086 D1	20130905	DE200960017086T	20091211
DK2356467 T3	20131014	DK20090768592T	20091211
EP2356467 A1	20110817	EP20090768592	20091211
EP2356467 B1	20130710	EP20090768592	20091211
ES2430335 T3	20131120	ES20090768592T	20091211
JP2012512395 T2	20120531	JP20110540935T	20091211
JP5568091 B2	20140806	JP20110540935T	20091211
KR20110104943 A	20110923	KR20117015774	20091211
US2010152115 AA	20100617	US20090636382	20091211
WO10068906 A1	20100617	WO2009US67732	20091211

Priority:

US20080121788P 20081211 EP20090768592 20091211 US20090636382 20091211
WO2009US67732 20091211

Probable Assignee: BAXALTA GMBH

Assignee(s): (std): BAXALTA INC ; BAXTER HEALTHCARE SA ; BAXTER INT ; HOEFINGHOFF JORIS ; BAXALTA GMBH ; WEBER ALFRED ; SIEKMANN JUERGEN ; TURECEK PETER

Assignee(s): BAXALTA GMBH GLATTPARK ; BAXTER INTERNATIONAL INCORPORATED ; BAXTER INT INCORPORATED ; BAXALTA INC BANNOCKBURN ; BAXTER INTERNATIONAL INC ; BAXTER HEALTHCARE S A ; BAXTER INT INC

Inventor(s): (std): WEBER ALFRED ; SIEKMANN JUERGEN ; HOEFINGHOFF JORIS ; TURECEK PETER ; JUERGEN SIEKMANN ; PETER TURECEK ; JORIS HOEFINGHOFF ; ALFRED WEBER

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS ; CULLENS PTY LTD; SPRUSON AND FERGUSON; SIM AND MCBURNEY; AIRD AND BERLIS IP PARTNERSHIP LTD; AIRD AND MCBURNEY LP; MUELLER BORE AND PARTNER PATENTANWALTE PARTG MBB; BASSETT RICHARD SIMON; AZNAREZ PABLO; MARSHALL GERSTEIN AND BORUN BAXTER; NEVILLE KATHERINE L 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 TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

7) Family number: 43677629 (US2009248004A)

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Title: SYSTEMS AND METHODS FOR TREATMENT OF SOFT TISSUE

Abstract: Methods and systems for treatment of tissue (e.g., the dermal-hypodermal region) with one or more wavelength are disclosed. Electromagnetic radiation devices and methods for lypolysis and/or coagulation of blood and/or treatment of water and/or treatment of skin are disclosed.

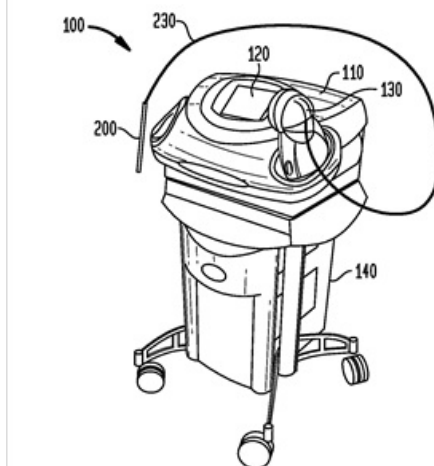
Classifications:

International (IPC 8-9): A61B18/04 A61B18/20 (Advanced/Invention);
A61B18/04 (Core/Invention)

CPC: A61B18/22 A61B2018/00577 A61B2018/207 A61B18/18
A61B18/20 A61B18/203 A61B2018/00452 A61B2018/00458
A61B2018/00464 A61B2018/00589 A61B2018/00702
A61B2018/00791 A61B2018/1807 A61B2018/225

European: A61B18/18 A61B18/20 K61B18/00F8 K61B18/00F8A
K61B18/00F8A2 K61B18/00G2 K61B18/00H10A K61B18/00H12B
K61B18/18L K61B18/20H K61B18/22H

US: 606/33 606/33P

**Family:**

Publication number	Publication date	Application number	Application date
US2009248004 AA	20091001	US20090396239	20090302
WO09108933 A2	20090903	WO2009US35725	20090302
WO09108933 A3	20130822	WO2009US35725	20090302

Priority:

US20080067712P 20080228 US20080072939P 20080402 US20090396239 20090302

Probable Assignee: PALOMAR MEDICAL TECHNOLOGIES LLC

Assignee(s): (std): ALTSHULER GREGORY B ; ARMSTRONG STEVE ; CHILDS JAMES ; EROFEEV ANDREI ; GAAL CHRISTOPHER ; MCNALL THOMAS ; PALOMAR MEDICAL TECH INC ; WIENER PAUL ; SECKEL BROOKE R

Assignee(s): PALOMAR MEDICAL TECHNOLOGIES LLC ; PALOMAR MEDICAL TECHNOLOGIES INC

Inventor(s): (std): ALTSHULER GREGORY B ; MCNALL THOMAS ; ARMSTRONG STEVE ; CHILDS JAMES ; EROFEEV ANDREI ; WIENER PAUL ; SECKEL BROOKE R ; GAAL CHRISTOPHER ; EROFEEV ANDREI V

Agent(s): NUTTER MCCLENNEN AND FISH LLP; MOLLAAGHABABA REZA ET AL

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

8) Family number: 61842881 (US2016069913A)

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Title: MICROFLUIDIC CHIP-BASED, UNIVERSAL COAGULATION ASSAY

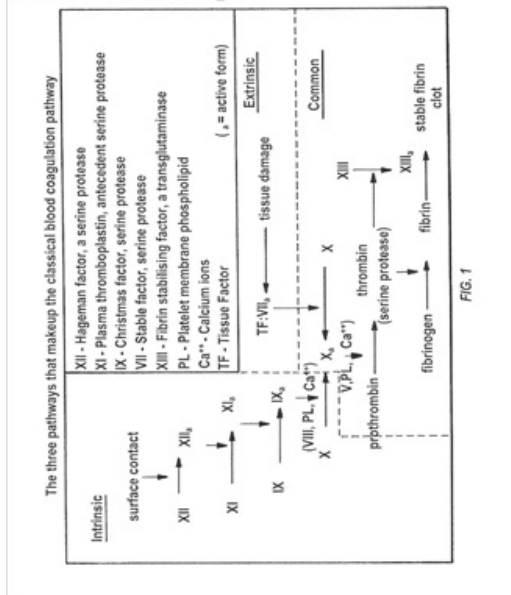
Abstract: A microfluidic, chip-based assay device has been developed for measuring physical properties of an analyte (particularly, whole blood or whole blood derivatives). The technologies can be applied to measure clotting times of whole blood or blood derivatives, determine the effects of anticoagulant drugs on the kinetics of clotting/coagulation, as well as evaluate the effect of anticoagulant reversal agents. These technologies can additionally be used to optimize the dosage of anticoagulation drugs and/or their reversal agents. The assay is independent of the presence of anticoagulant; clotting is activated by exposure of the blood sample in the device to a glass (or other negatively charged material such as oxidized silicon) surface, which activates the intrinsic pathway and can be further hastened by the application of shear flow across the activating materials surface. The absence of chemical activating agents and highly controlled and reproducible micro-environment yields a point of care universal clotting assay.

Classifications:

International (IPC 8-9): B01L B01L3/00 B01L9/00 G01N G01N15/05
G01N21/03 G01N21/3577 G01N27/02 G01N27/06 G01N27/22
G01N33/49 G01N33/86 G01N37/00 (Advanced/Invention);
B01L3/00 G01N33/49 (Core/Invention);
G01N (Subclass/Invention)

CPC: G01N33/86 B01L3/502715 B01L9/527 B01L2300/0645
B01L2300/0681 B01L2300/0816 B01L2300/1827 G01N33/4905

US: 422/73 435/13 435/287.1 435/288.7 436/69

**Family:**

Publication number	Publication date	Application number	Application date
AP201709807 A0	20170331	AP20170009807	20150909
AU2015315159 AA	20170323	AU20150315159	20150909
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US2016069913 AA	20160310	US20150849348	20150909
US2018252734 AA	20180906	US20180909677	20180301
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ZA201702431 A	20180829	ZA20170002431	20150909

Priority:

US20140048183P 20140909 US20150849348 20150909 WO2015US49198 20150909
 US20180909677 20180301

Probable Assignee: PEROSPHERE TECHNOLOGIES INC**Assignee(s):** (std): PEROSPHERE INC ; PEROSPHERE TECH INC ; PERSOPHERE TECH INC**Assignee(s):** PERSOPHERE TECHNOLOGIES INC ; BAKHRU SASHA ; LAULICHT BRYAN ; PEROSPHERE PHARMACEUTICALS INC ; STEINER SOLOMON ; ZAPPE STEFAN ; PEROSPHERE TECHNOLOGIES INC**Inventor(s):** (std): BAKHRU SASHA ; LAULICHT BRYAN ; STEINER SOLOMON ; ZAPPE STEFAN ; SASHA BAKHRU ; BRYAN LAULICHT ; STEFAN ZAPPE ; SOLOMON STEINER**Inventor(s):** LAULICHT BRYAN PH D ; ZAPPE STEFAN PH D ; BAKHRU SASHA PH D**Agent(s):** SHELSTON IP PTY LTD; RIDOUT AND MAYBEE LLP; ESTUDIO CAREY LTDA; MAURICIO JARAMILLO CAMPUZANO; HART DEBORAH MARY; LETTERS AND THOO LTD; GEORGE WIDJOJO SH; PABST PATENT GROUP LLP; MONHEIT RIVKA D 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: METHOD AND APPARATUS FOR IMPROVED VASCULAR RELATED TREATMENT

Abstract: Methods and apparatus are provided for selectively heating blood vessels in a patients skin to effect a desired dermatological (medical or cosmetic) treatment. For shallow vessels, particularly plexus vessels and superficial vessels/veins, radiation is applied to the vessels involved in the treatment which includes substantial radiation in a blue band of approximately 380-450 nm. The invention also involves maximizing the radiation used for which the safety ratio for the area being treated is greater then one and minimizing the radiation used for which the safety ratio is less then one. This generally involves, depending on the blood vessel involved in the treatment and the patient's skin type, using radiation in one or more of a blue, green-yellow and near infrared wavelength band and filtering out radiation at other wavelengths, including radiation between the wavelength bands used.

Classifications:

International (IPC 8-9): A61B18/18 A61B18/20

A61N5/06 (Advanced/Invention);

A61B18/18 A61B18/20 A61N5/06 (Core/Invention)

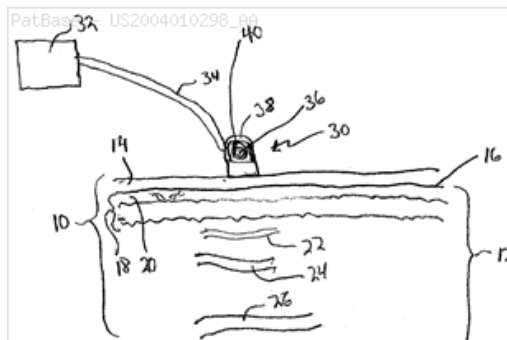
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US: 128/898 606/3 606/9 606/9P 607/88 607/88P 607/88S 607/89 607/89S

**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

US20010343811P 20011227 US20020331134 20021227 WO2002US41497 20021227
US20080210427 20080915

Probable Assignee: PALOMAR MEDICAL TECHNOLOGIES LLC

Assignee(s): (std): ALTSHULER GREGORY ; PALOMAR MEDICAL TECH INC ; PALOMAR MEDICAL TECHNOLOGIES I ; SMIRNOV MICHAEL Z

Assignee(s): PALOMAR MEDICAL TECHNOLOGIES INC ; PALOMAR MEDICAL TECHNOLOGIES LLC ; PALOMAR MEDICAL TECHNOLOGIES ; BANK OF AMERICA NA COLLATERAL AGENT AS

Inventor(s): (std): ALTSHULER GREGORY B ; SMIRNOV MICHAEL Z ; ALTSHULER GREGORY

Inventor(s): GREGORY B ALTSHULER ; MICHAEL Z SMIRNOV

Agent(s): NUTTER MCLENNEN AND FISH LLP; ENGELLENER THOMAS J; MILLER DEBORAH A; THOMAS J; DEBORAH A

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

Title: APPARATUS AND METHOD FOR PATTERN DELIVERY OF RADIATION AND BIOLOGICAL CHARACTERISTIC ANALYSIS

Abstract: The present invention uses a high signal to noise ratio method and apparatus to analyze a characteristic of a biological object, such as blood glucose level. The method and apparatus can also have surgical applications, such as coagulation or ablation of a pattern on a biological object.

Classifications:

International (IPC 8-9): A61B5/00 A61B6/00 (Advanced/Invention);

A61B17/00 A61B18/20 (Advanced/Non-invention);

A61B5/00 A61B6/00 (Core/Invention);

A61B17/00 A61B18/20 (Core/Non-invention)

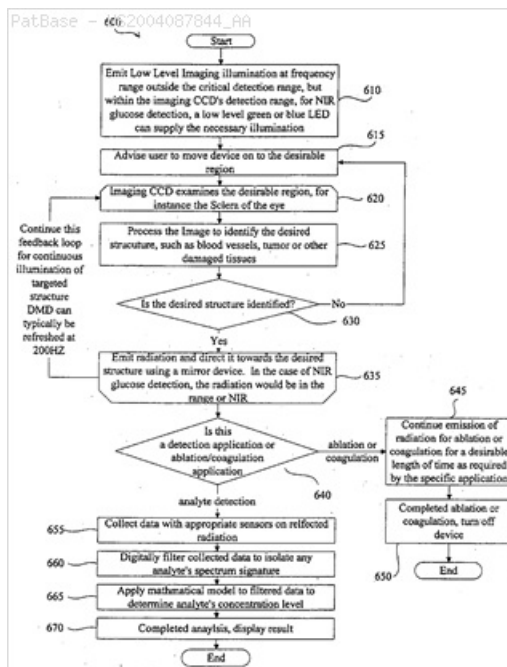
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European: A61B5/1455 A61B5/145G K61B17/00C1L K61B17/00R2T K61B18/00F8 K61B18/20H

US: 600/319 600/319P 600/322 600/322S



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Publication number	Publication date	Application number	Application date
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WO04041348 A3	20050714	WO2003US34349	20031027

Priority:

US20020423345P 20021101 US20030682655 20031008 WO2003US34349 20031027
 TW20030131433 20031110 US20070684640 20070312

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Assignee(s): (std): BRIAN YEN ; YEN BRIAN

Inventor(s): (std): YEN BRIAN ; BRIAN YEN

Agent(s): SQUIRE SANDERS AND DEMPSEY LLP; AARON; THELEN REID BROWN RAYSMAN AND STEINER

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

11) Family number: 41783519 (US2009209834A)

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Title: SYSTEM AND METHOD FOR IN VIVO MEASUREMENT OF BIOLOGICAL PARAMETERS

Abstract: A system, method and medical tool are presented for use in non-invasive in vivo determination of at least one desired parameter or condition of a subject having a scattering medium in a target region. The measurement system comprises an illuminating system, a detection system, and a control system. The illumination system comprises at least one light source configured for generating partially or entirely coherent light to be applied to the target region to cause a light response signal from the illuminated region. The detection system comprises at least one light detection unit configured for detecting time-dependent fluctuations of the intensity of the light response and generating data indicative of a dynamic light scattering (DLS) measurement. The control system is configured and operable to receive and analyze the data indicative of the DLS measurement to determine the at least one desired parameter or condition, and generate output data indicative thereof.

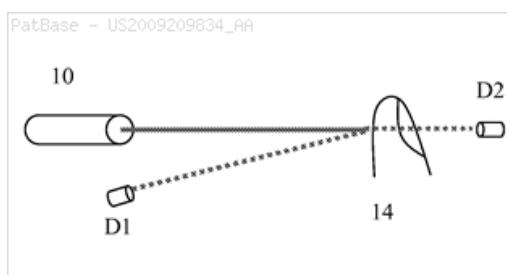
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International (IPC 8-9): A61B5/00 A61B5/02 A61B5/0205 A61B5/0215 A61B5/024 A61B5/0265 A61B5/145 A61B5/1455 A61B5/1464 (Advanced/Invention); A61B5/024 A61B5/145 (Advanced/Non-invention); A61B5/00 A61B5/02 A61B5/0215 A61B5/024 A61B5/145 (Core/Invention)

CPC: A61B5/0261 A61B5/14551 A61B5/14532 A61B5/0205 A61B5/14552 A61B5/024 A61B5/0265 A61B5/7246 A61B5/7278

European: A61B5/1455N K61B5/145G

US: 600/310 600/310S 600/316 600/316P 600/322 600/322S 600/324 600/328 600/328S 600/479 600/479S 600/480 600/480S 600/481 600/485 600/502 600/504



Family:

Publication number	Publication date	Application number	Application date
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EP2079363 A4	20110629	EP20070827291	20071030
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US2009209834 AA	20090820	US20090431469	20090428
US2014094666 AA	20140403	US20120629752	20120928
US2018160913 AA	20180614	US20170702585	20170912
US8277384 BB	20121002	US20090431469	20090428
WO08053474 A2	20080508	WO20071L01317	20071030
WO08053474 A3	20090423	WO20071L01317	20071030

Priority:

US20060855143P 20061030 WO20071L01317 20071030 US20090431469 20090428
US20120629752 20120928 US20170702585 20170912

Probable Assignee: ELFI TECH LTD

Assignee(s): (std): ELFI TECH LTD ; FINE ILYA

Inventor(s): (std): FINE ILYA

Agent(s): BECKER KURIG STRAUS; HOUSTON ELISEEVA; REINHOLD COHN AND PARTNERS

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

12) Family number: 42965982 (US2009048648A)

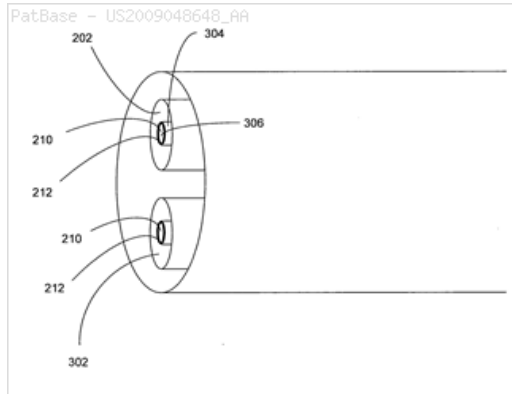
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Title: SELF-STERILIZING DEVICE

Abstract: An insertable medical element may be supportive of evanescent energy for sterilization of a biomaterial. A system including an insertable medical element supportive of evanescent energy may include an energy source, where the energy source may be emissive of electromagnetic or plasmon energy, a sensor such as a surface plasmon resonance sensor, and/or it may include an imager.

Classifications:

International (IPC 8-9): A47L1/02 A47L15/00 A61B1/04 A61B18/00 A61B18/04 A61B18/12 A61B18/18 A61B19/00 A61B5/00 A61B5/05 A61B5/055 A61B5/145 A61B5/1455 A61B5/1468 A61B5/1486 A61B6/00 A61F2/30 A61F2/54 A61F7/00 A61F7/12 A61H1/00 A61K9/22 A61L17/14 A61L2/00 A61L2/02 A61L2/03 A61L2/08 A61L2/10 A61L2/14 A61L2/16 A61L2/18 A61L2/23 A61L2/24 A61L2/26 A61L27/28 A61L27/30 A61L27/54 A61L29/00 A61L29/08 A61L29/14 A61L29/16 A61L31/02 A61L31/08 A61L31/14 A61L31/16 A61M1/00 A61M25/00 A61M27/00 A61M37/00 A61M39/00 A61M5/00 A61M5/142 A61M5/168 A61N1/00 A61N1/05 A61N1/08 A61N1/20 A61N1/30 A61N1/36 A61N5/00 A61N5/06 B01J19/00 B01J19/12 B08B7/00 B08B9/00 B08B9/20 B82Y30/00 B82Y5/00 E05B1/00 G05D7/06 G06F12/14 G09B19/00 (Advanced/Invention); A61B17/52 A61B18/20 A61B5/053 A61B5/145 A61B5/1459 A61B5/1473 A61F2/00 A61F2/48 A61L11/00 A61L2/04 A61L2/18 A61L9/00 A61N1/20 A61N1/372 A61N1/378 A61N1/40 A61N5/02 A61N5/06 A61N5/10 A61N7/00 B82Y40/00 B82Y5/00 C23F11/00 (Advanced/Non-invention);



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US: 1/1 134/25.1 134/42 134/6 15/1 15/3.5 15/77 15/97.1 250/492.1 422/1 422/105 422/105S 422/116 422/116P 422/116S 422/119 422/119S 422/186.3 422/186.300S 422/1S 422/22 422/22S 422/23 422/24 422/24P 422/24S 422/28 422/28P 422/292 422/292S 422/3 422/300 422/301 422/3P 422/40 424/423 434/236 434/236P 434/236S 600/104 600/104S 600/301 600/301S 600/309 600/309P 600/309S 600/310 600/310P 600/310S 600/317 600/317S 600/345 600/345P 600/345S 600/364 600/364S 600/365 600/365S 600/407 600/407P 600/427 600/427P 600/476 600/476P 600/9 601/2 604/20 604/20P 604/20S 604/21 604/21P 604/22 604/22S 604/264 604/264S 604/265 604/265P 604/265S 604/267 604/500 604/500S 604/501 604/501S 604/503 604/503S 604/523 604/523S 604/6.08 604/66 604/66S 604/8 604/890.1 604/891.1 604/8P 604/8S 604/9 604/9P 606/33 606/33S 606/34 606/34P 606/34S 606/41 606/41S 607/1 607/100 607/100S 607/113 607/113P 607/1S 607/2 607/2S 607/3 607/3P 607/3S 607/50 607/50P 607/60 607/60P 607/88 607/88P 607/92 607/92P 607/94 607/94S 607/96 607/96S 700/282 700/282S 713/189 713/189S 977/931 977/931S

Family:

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EP2197381 A4	20110112	EP20080834851	20081002
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Priority:

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Inventor(s): STEWART TODD J ST LOUIS ; MYHRVOLD NATHAN P BELLEVUE ; WOOD VICTORIA YH ; DACEY RALPH G ; WOOD VICTORIA Y ; JUNG EDWARD KY

Agent(s): D YOUNG AND CO LLP ; HARRIS IAN RICHARD ; SEARETE LLC CLARENCE T TEGREENE ; SEARETE LLC ; INVENTION SCIENCE FUND CLARENCE T TEGREENE ; WORKMAN NYDEGGER ; DANIEL J ; ADVENT LLP ; MALASKA STEPHEN L 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 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: ENDOVENOUS CLOSURE OF VARICOSE VEINS WITH MID INFRARED LASER

Abstract: This invention is an improved method and device for treating varicose veins 200 or the greater saphenous vein 202. The method comprises the use of infrared laser radiation in the region of 1.2 to 1.8 μm in a manner from inside the vessel 200 or 202 such that the endothelial cells of the vessel wall 704 are damaged and collagen fibers in the vessel wall 704 are heated to the point where they permanently contract, the vessel 200 or 202 is occluded and ultimately resorbed. The device includes a laser 102 delivered via a fiber optic catheter 300 that may have frosted or diffusing fiber tips 308. A motorized pull back device 104 is used, and a thermal sensor 600 may be used to help control the power required to maintain the proper treatment temperature.

Classifications:

International (IPC 8-9): A61B18/18 A61B18/20 A61B18/22 A61B18/24 A61B19/00 A61F7/10 A61N5/06 A61N5/067 A61N7/00 (Advanced/Invention);

A61B17/00 A61B18/00 A61B18/22 A61B19/00 A61B90/00 (Advanced/Non-invention);

A61B18/18 A61B18/20 A61B19/00 A61N5/06 A61N7/00 (Core/Invention);

A61B17/00 A61B18/00 A61B19/00 (Core/Non-invention) **International (IPC 1-7):** A61B18/20 A61B18/24 A61M

CPC: A61B18/245 A61B2018/0097 A61F7/10 A61F2007/101

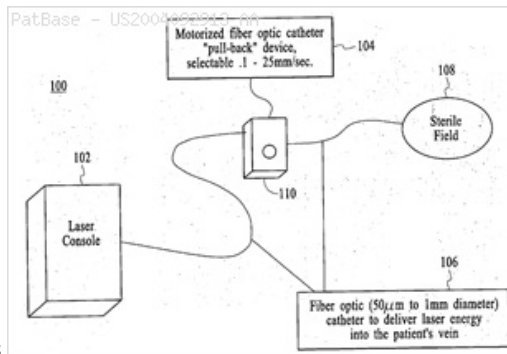
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K61F7/10A

US: 128/898 601/2 601/2S 606/13 606/13S 606/15 606/15P 606/15S 606/2 606/3 606/33 606/33S 606/3P 606/4 606/7 606/7S 606/9 606/9S 607/101 607/88 607/89 607/89P 607/96

**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: NEW STAR LASERS INC

Assignee(s): (std): CESPEDES IGNACIO ; COOL TOUCH INC ; COOLTOUCH INC ; FULLMER DAVID J ; GOLDMAN MITCHEL P ; GOLDMAN MITCHELL P ; HENNINGS DAVID R ; WEISS ROBERT A ; TAYLOR ERIC B ; JOHNSON DON ; LINDSAY CRAIG ; KIRIPOLSKY MONIKA G ; HENNINGS THOMAS ; NEW STAR LASERS INC ; HAYES CLINT ; KINGSLEY JOHN R

Inventor(s): (std): HENNINGS DAVID R ; GOLDMAN MITCHELL P ; WEISS ROBERT A ; TAYLOR ERIC B ; JOHNSON DON ; GOLDMAN MITCHEL P ; CESPEDES IGNACIO ; DAVID R HENNINGS ; MITCHELL P GOLDMAN ; DON JOHNSON ; ROBERT A WEISS ; ERIC B TAYLOR ; FULLMER DAVID J ; LINDSAY CRAIG ; JOHNSON DON V ; HENNINGS THOMAS ; KIRIPOLSKY MONIKA G ; KINGSLEY JOHN R ; HAYES CLINT

Inventor(s): FULLMER DAVID ; HENNINGS DAVID ; GOLDMAN MITCHEL ; TAYLOR ERIC ; WEISS ROBERT

Agent(s): PIZZEYS ; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SMART AND BIGGAR; ORRICK HERRINGTON AND SUTCLIFFE LLP; RAY K SHAHANI ESQ ATTORNEY AT LAW; ORRICK HERRINGTON AND SUTCLIFFE LLP IP PROSECUTION DEPARTMENT; KIN HUNG; RAY K; KIN H; VORYS SATER SEYMOUR AND PEASE LLP; WILLIAM L

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

Title: DEVICES FOR DELIVERY OF REPEATEDLY ADJUSTED THERAPEUTIC LIGHT AND DEVICES FOR TREATMENT OF CARBON MONOXIDE POISONING

Abstract: A device for insertion into a mammalian patient comprises a shaft and a light delivery element. The shaft comprises a proximal end and a distal end, and the light delivery element is positioned proximate the distal end of the shaft. The device is configured to repeatedly adjust light delivered by the light delivery elements. Devices and methods for treatment of carbon monoxide poisoning are also provided.

Classifications:

International (IPC 8-9): A61M25/00 A61N5/02

A61N5/06 (Advanced/Invention)

CPC: A61N5/0603 A61B5/0059 A61N1/05 A61N1/36 A61N2/002

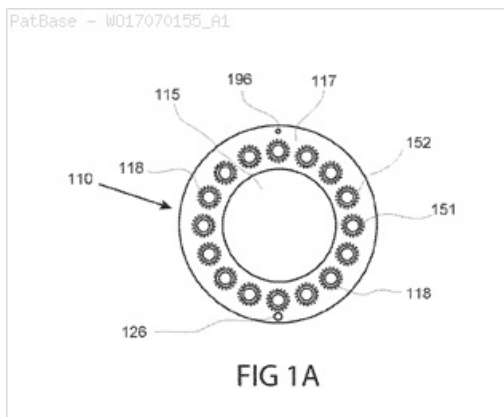
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A61N7/00 A61B5/01 A61B5/021 A61B5/026 A61B5/14532

A61B5/14542



Family:

Publication number	Publication date	Application number	Application date
WO17070155 A1	20170427	WO2016US57614	20161019

Priority:

US20150243302P 20151019

Probable Assignee: SCHARF GUENTER

Assignee(s): (std): FLAHERTY J CHRISTOPHER ; SCHARF CHRISTOPH ; SCHARF GUENTER ; SCHARF GUNTER

Inventor(s): (std): SCHARF GUNTER ; SCHARF CHRISTOPH ; FLAHERTY J CHRISTOPHER

Agent(s): MELLO DAVID 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 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 JP KE KG 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

Title: DEVICE AND METHOD FOR FLUORESCENCE-BASED IMAGING AND MONITORING

Abstract: A device for fluorescence-based imaging and monitoring of a target comprising: a light source emitting light for illuminating the target, the emitted light including at least one wavelength or wavelength band causing at least one biomarker associated with the target to fluoresce; and a light detector for detecting the fluorescence.

Classifications:

International (IPC 8-9): A61B1/00 A61B1/24 A61B10/00 A61B10/02

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A61N5/06 C12M1/00 C12Q1/00 C12Q1/02 C12Q1/26 C12Q1/34

C12Q1/37 C12Q1/70 G01N21/64 G01N21/78 G01N21/94 G01N33/02

G01N33/15 G01N33/48 G01N33/483 G01N33/52

G01N33/58 (Advanced/Invention);

A61B10/00 B82Y15/00 (Advanced/Non-invention);

A61B10/02 A61B5/145 A61B6/00 A61G99/00 A61M16/00 A61N5/06

G01N21/64 G01N21/88 G01N33/02 G01N33/15

G01N33/52 (Core/Invention)

CPC: A61B5/0059 A61B5/445 A61B5/4519 A61B10/00 G01N21/6408

G01N2021/6421 G01N2021/6471 G01N2201/0221 A61B5/0071

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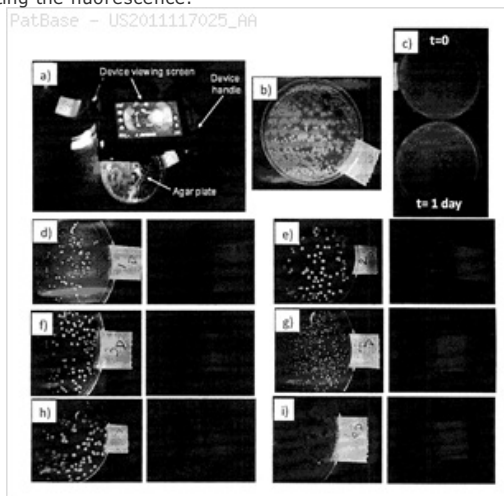
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435/29S 435/4 435/4S 435/5 435/5S 436/172 436/172S 600/476

600/476S 977/774 977/774S



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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US20180027775	20180705				

Probable Assignee: HEALTH NETWORK UNIV

Assignee(s): (std): DACOSTA RALPH SEBASTIAN ; UNIV HEALTH NETWORK ; WILSON BRIAN C ; ZHANG KAI

Assignee(s): UNIVERSITY HEALTH NETWORK ; HEALTH NETWORK UNIV

Inventor(s): (std): KAI ZHANG ; SEBASTIAN DACOSTA RALPH ; DACOSTA RALPH S ; DACOSTA RALPH ; BRIAN C WILSON ; RALPH SEBASTIAN DACOSTA ; ZHANG KAI ; WILSON BRIAN C ; DACOSTA RALPH SEBASTIAN

Agent(s): OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; LEEMING JOHN GERARD; J A KEMP; PONS ANGEL; FUKAMI PATENT OFFICE PC; ESER SIPAHIOGLU; JONES ROBB PLLC; OGILVY RENAULT LLP S E N C R L S R L

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

16) Family number: 58293882 (US2016151639A)

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Title: DEVICES AND METHODS FOR DELIVERY OF THERAPEUTIC ENERGY

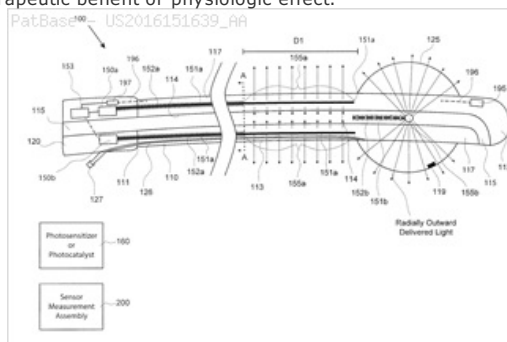
Abstract: A device for insertion into a mammalian patient comprises a shaft and a light delivery element. The shaft comprises a proximal end, a distal end, and a lumen therebetween. The light delivery element is constructed and arranged to deliver light to prevent infection, reduce infection and/or cause a therapeutic benefit or physiologic effect.

Classifications:

International (IPC 8-9): A61B18/18 A61B18/24
A61N5/06 (Advanced/Invention)

CPC: A61B2018/00517 A61N5/025 A61N5/062 A61N2005/005
A61N2005/0602 A61N2005/063 A61N2005/0651 A61N2005/0659
A61N2005/0661 A61N2005/0662 A61N2005/067 A61B2018/1807
A61N5/0601 A61B2018/00589 A61N5/0624 A61B18/24
A61B2017/22001 A61B2018/00285 A61B2018/00404
A61B2018/00648 A61B2018/00791 A61B2018/00839
A61B2018/00875 A61B2018/2211 A61B18/18 A61N5/0625

US: 607/92



Family:

Publication number	Publication date	Application number	Application date
EP3019238 A1	20160518	EP20140823836	20140708
EP3019238 A4	20170329	EP20140823836	20140708
US2016151639 AA	20160602	US20140898599	20140708
WO15006309 A1	20150115	WO2014US45722	20140708

Priority:

CH20130001236	20130710	CH20130001928	20131119	WO2014US45722	20140708
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Probable Assignee: SCHARF GUENTER

Assignee(s): (std): FLAHERTY J CHRISTOPHER ; OXYS AG ; SCHARF CHRISTOPH ; SCHARF GUENTER ; SCHARF GUNTER

Inventor(s): (std): FLAHERTY J CHRISTOPHER ; SCHARF GUNTER ; SCHARF CHRISTOPH

Agent(s): MUELLER BORE AND PARTNER PATENTANWALTE PARTG MBB; ONELLO ANTHONY P JR 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: Method and apparatus for coagulation of superficial blood vessels in bladder and proximal urethra

Abstract: An apparatus and method of use are disclosed to treat and/or diagnose urological disorders. The non-implantable device includes a light source housed within a light source segment. The light source segment is of a sufficiently small size and configuration so that it can be inserted through the urethra and positioned adjacent the target site in the patient. Different types of light sources can be used to achieve a variety of energy levels and distributions useful in treating incontinence disorders. Both incoherent and coherent light sources may be used with the present invention. In addition, the light from the light source can be designed to be pulsed or continuous wave and may be in any suitable spectrum, including visible (such as white light) and infrared. The particular characteristics of the light emitted from the light source, such as wavelength, frequency, amplitude, etc., depend upon the particular treatment and procedure.

Classifications:

International (IPC 8-9): A61B18/18 (Advanced/Invention);

A61B1/307 (Advanced/Non-invention);

A61B18/18 (Core/Invention);

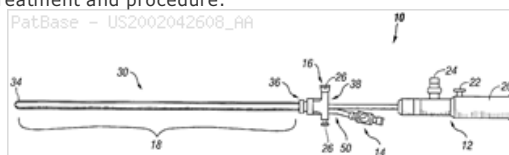
A61B1/307 (Core/Non-invention)

International (IPC 1-7): A61B18/18 A61B18/20 A61N5/06 A61N5/6

CPC: A61B1/307 A61B18/18 A61B2018/1807

European: A61B18/18 K61B1/307 K61B18/18L

US: 606/14 606/15 607/88 607/89 607/92



Family:

Publication number	Publication date	Application number	Application date
AU2001253493 AA	20011030	AU20010253493	20010413
EP1361828 A1	20031119	EP20010274228	20010413
US2002042608 AA	20020411	US20010834473	20010413
US2004006334 AA	20040108	US20030612216	20030702
US6616653 BB	20030909	US20010834473	20010413
WO0178618 A1	20011025	WO2001US12200	20010413
WO0178618 C1	20040408	WO2001US12200	20010413

Priority:

US20000197141P 20000414

US20010834473 20010413

WO2001US12200 20010413

US20030612216 20030702

Probable Assignee: BOSTON SCIENTIFIC SCIMED INC

Assignee(s): (std): BEYAR MORDECHAI ; ECKHOUSE SHIMON ; AMERICAN MED SYST ; KLUGMAN NATHAN

Assignee(s): MORGAN STANLEY SENIOR FUNDING INC ADMINISTRATIVE A ; MORGAN STANLEY SENIOR FUNDING INC ADMINISTRATIVE AGENT AS ; LASERSCOPE ; AMERICAN MEDICAL SYSTEMS INC ; AMERICAN MEDICAL SYSTEMS LLC ; AMS RESEARCH CORP ; CIT HEALTHCARE LLC ; BANK OF AMERICA NA ; BANK OF AMERICA NA AGENT AS ; DEUTSCHE BANK NEW YORK BRANCH COLLATERAL AGENT AG AS ; AMS RESEARCH LLC ; BOSTON SCIENTIFIC SCIMED INC

Inventor(s): (std): BEYAR MORDECHAI ; ECKHOUSE SHIMON ; KLUGMAN NATHAN

Inventor(s): SHIMON ECKHOUSE ; NATHAN KLUGMAN ; MORDECHAI BEYAR

Designated states: AM AT AU AZ BE BY CA CH CY DE DK ES FI FR GB GR IE IT JP KG KZ LI LU MC MD NL PT RU SE TJ TM TR US

Title: (AZA)PYRIDOPYRAZOLOPYRIMIDINONES AND INDAZOLOPYRIMIDINONES AND THEIR USE

Abstract: The present application relates to novel substituted (aza)pyridopyrazolopyrimidinones and indazolopyrimidinones, to processes for their preparation, the compounds for use alone or in combinations in a method for the treatment and/or prophylaxis of diseases, in particular for the treatment and/or prophylaxis of acute and recurrent bleeding in patients with or without underlying hereditary or acquired bleeding disorders, wherein the bleeding is associated with a disease or medical intervention selected from the group consisting of menorrhagia, postpartum hemorrhage, hemorrhagic shock, trauma, surgery, transplantation, stroke, liver diseases, hereditary angioedema, nosebleed, and synovitis and cartilage damage following hemarthrosis.

Classifications:

International (IPC 8-9): A61H31/519 A61K A61K31/195 A61K31/197

A61K31/4162 A61K31/519 A61K31/58 A61K38/095 A61K38/11

A61K38/43 A61K45/00 A61K45/06 A61P A61P7/00 A61P7/04 C07D

C07D401/04 C07D405/06 C07D471/04 C07D471/14 C07D487/04

C07D487/12 C07D487/14 (Advanced/Invention);

A61P7/04 (Advanced/Non-invention);

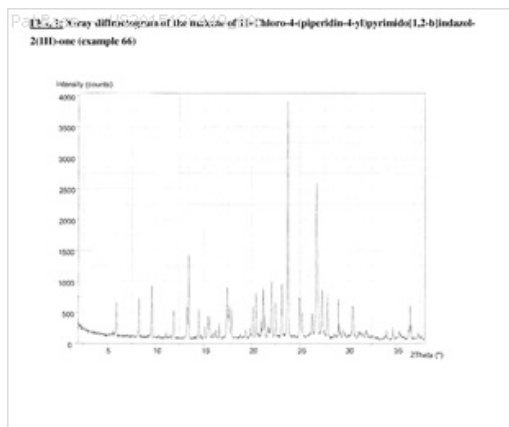
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CPC: C07D471/14 A61K45/06 C07D487/12 C07D401/04

C07D405/06 A61K31/519 C07D487/04

US: 514/13.7 514/14.1 514/171 514/248 514/250 514/267 544/234

544/250 544/251



Family:

Publication number	Publication date	Application number	Application date
AP201609175 A0	20160430	AP20160009175	20141103
AR098292 AA	20160526	AR2014P104130	20141104
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AU2014345771 BB	20180913	AU20140345771	20141103
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CO16117710 A2	20170428	CO20160117710	20160505
CR20160332 A	20161110	CR20160000332	20141103
CU24361 B	20181004	CU20160000062	20141103
DE602014044974 D1	20190509	DE201460044974T	20141103
DOP2016000102 A	20160630	DO20160000102	20160505
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EA201690935 A1	20161031	EA20160090935	20141103
EP3066100 A1	20160914	EP20140793523	20141103
EP3066100 B1	20190417	EP20140793523	20141103
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GT201600084 A	20170712	GT20160000084	20160505
HK1223940 A1	20170811	HK20160112345	20161027
ID201712843 A	20171124	ID2016P0002966	20141103
IL244645 A0	20160421	IL20140244645	20141103
IL244645 A1	20190630	IL20140244645	20141103
IN201617010794 A	20160805	IN201617010794	20160329
JP2016535052 T2	20161110	JP20160527398T	20141103
JP6431061 B2	20181128	JP20160527398T	20141103
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MA39018 A1	20170630	MA20140039018	20141103
MX2016005969 A1	20160811	MX20160005969	20141103
PE09342016 A1	20161008	PE20160000586	20141103
PH2016500828 A	20160613	PH20160500828	20160504
SG11201602133R A1	20160530	SG20161102133	20141103
TN2016000161 A1	20171006	TN20160000161	20141103
TW201609728 A	20160316	TW20140137976	20141103
TWI657089 B	20190421	TW20140137976	20141103
UA117504 C2	20180810	UA20160005980	20141103
US2015126449 AA	20150507	US20140533915	20141105
US2017239251 AA	20170824	US20170416651	20170126
US2018344739 AA	20181206	US20180101250	20180810
US9598417 BB	20170321	US20140533915	20141105
US10098883 BB	20181016	US20170416651	20170126
UY35809 A1	20150529	UY20140035809	20141031
WO15067549 A1	20150514	WO2014EP73529	20141103
ZA201602311 A	20170830	ZA20160002311	20141103

Priority:

EP20130191642 20131105 EP20140793523 20141103 WO2014EP73529 20141103
US20140533915 20141105 US20170416651 20170126 US20180101250 20180810

Probable Assignee: BAYER AG

Assignee(s): (std): BAYER AG ; BAYER PHARMA AG

Assignee(s): BEYER KRISTIN ; BURKHARDT NILS ; CANCHO GRANDE YOLANDA ; SPERZEL MICHAEL ; SCHUHMACHER JOACHIM ; ROHRIG SUSANNE ; SCHLEMMER KARL HEINZ ; STEGMANN CHRISTIAN ; ELLERMANN MANUEL ; KOLLNBERGER MARIA ; HASSFELD JORMA ; KOBBERLING JOHANNES ; KINZEL TOM ; WERNER MATTHIAS

Inventor(s): (std): ROEHRIG SUSANNE ; SPERZEL MICHAEL ; SCHUHMACHER JOACHIM ; CANCHO GRANDE YOLANDA ; KOBBERLING JOHANNES ; BURKHARDT NILS ; SCHLEMMER KARL HEINZ ; STEGMANN CHRISTIAN ; BEYER KRISTIN ; ELLERMANN MANUEL ; KOELLNBERGER MARIA ; HASSFELD JORMA ; WERNER MATTHIAS ; KINZEL TOM ; JORMA HASSFELD DR ; NILS BURKHARDT DR ; TOM KINZEL DR ; CHRISTIAN STEGMANN DR ; JOHANNES KOEBBERLING DR ; YOLANDA CANCHO GRANDE DR ; SUSANNE ROEHRIG DR ; KRISTIN BEYER DR ; KARL HEINZ SCHLEMMER DR ; JOACHIM SCHUHMACHER DR ; MANUEL ELLERMANN DR ; MICHAEL SPERZEL DR ; MATTHIAS WERNER DR ; MARIA KOELLNBERGER DR ; STEGMANN DR CHRISTIAN ; KINZEL DR TOM ; HASSFELD DR JORMA ; WERNER DR MATTHIAS ; YOLANDA CANCHO GRANDE ; JOACHIM SCHUHMACHER ; TOM KINZEL ; NILS BURKHARDT ; MICHAEL SPERZEL ; MATTHIAS WERNER ; KARL HEINZ SCHLEMMER ; JOHANNES KOEBBERLING ; CHRISTIAN STEGMANN ; SUSANNE ROEHRIG ; JORMA HASSFELD ; BURKHARDT NILS ; ELLEMMANN MANUEL ; JOHANNES KOBBERLING ; KRISTIN BEYER ; SUSANNE ROHRIG ; MARIA KOLLNBERGER ; NILS DR BURKHARDT ; MATTHIAS DR WERNER ; MICHAEL DR SPERZEL ; SUSANNE DR RHRIG ; JOACHIM DR SCHUHMACHER ; KARL DR SCHLEMMER ; CHRISTIAN HEINZ DR STEGMANN ; TOM DR KINZEL ; KRISTIN DR BEYER ; MANUEL DR ELLERMANN ; JOHANNES DR KBBERLING ; YOLANDA DR CANCHO GRANDE ; JORMA DR HAFELD ; MARIA DR KLLNBERGER ; KLLNBERGER MARIA ; RHRIG SUSANNE ; KBBERLING JOHANNES ; BURKHARD DR NILS ; SCHUMACHER DR JOACHIM ; KOEBBERLING DR JOHANNES ; ROHRIG SUSANNE ; KOLLNBERGER MARIA ; KOBBERLING JOHANNES ; GRANDE YOLANDA CANCHO ; BAYER KRISTIN ; MANUEL ELLERMANN ; MARIA KOELLNBERGER ; SCHLEMMER DR KARL HEINZ ; CANCHO GRANDE DR YOLANDA ; KOELLNBERGER DR MARIA ; ELLERMANN DR MANUEL ; SPERZEL DR MICHAEL ; HABFELD JORMA

Inventor(s): HA BETA FELD JORMA ; SCHUHMACHER DR JOACHIM ; BEYER DR KRISTIN ; KRISTIN BAYER ; 10 KARL HEINZ SCHLEMMER ; 7 MARIA KOELLNBERGER ; 13 MATTHIAS WERNER ; 14 MANUEL ELLERMANN ; 12 JOACHIM SCHUHMACHER ; 4 YOLANDA CANCHO GRANDE ; 1 JORMA HASSFELD ; 2 TOM KINZEL ; 9 NILS BURKHARDT ; 3 JOHANNES KOEBBERLING ; 8 MICHAEL SPERZEL ; 5 KRISTIN BEYER ; 11 CHRISTIAN STEGMANN ; 6 SUSANNE ROEHRIG ; SCHLEMMER KARLHEINZ ; MARIAKOELLNBERGER ; 11 DR CHRISTIAN STEGMANN ; 10 DR KARL HEINZ SCHLEMMER ; 13 DR MATTHIAS WERNER ; 14 DR MANUEL ELLERMANN ; 12 DR JOACHIM SCHUHMACHER ; BEYER KRISTIN KENSINGTON ; JORMA HABFELD ; BURKHARDT DR NILS ; ROEHRIG DR SUSANNE

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; FETHERSTONHAUGH AND CO; JOHANSSON AND LANGLOIS LTDA; CARLOS REINALDO OLARTE GARCIA; BIP PATENTS; SAUD M A SHAWWAF LAW OFFICE; CHINA PATENT AGENT HK LTD; ACHMAD FATCHY SH AFFA INTELLECTUAL PROPERTY RIGHTS; REINHOLD COHN AND PARTNERS; SHIGEMORI KAZUKI; TSUBOKURA MICHIAKI; KANAYAMA MASATAKA; ONO MAKOTO; NIXON AND VANDERHYE PC

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

19) Family number: 46806376 (US2012078160A)

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Title: METHOD AND APPARATUS FOR CANCER THERAPY

Abstract: Disclosed herein are methods and apparatus for treating bladder cancer. Example apparatus include a laser or other source that generates visible or near-infrared radiation and a cystoscope to deliver and apply the radiation to a treatment site, such as the urothelial surface of the bladder. The radiation alters the permeability of at least one layer of the bladder wall, allowing more efficacious administration of chemotherapeutic or anticancer agent to the bladder lumen during or after application of the radiation. Permeability of the bladder wall may be altered by damaging suburothelial blood vessels, such as those of the lamina propria of the bladder wall, or by damaging the urothelium and suburothelial blood vessels of the bladder in a patient with bladder cancer. Damage to the urothelium induced by the radiation may be of a continuous or discontinuous nature. Treatment may also cause regression or destruction of (pre)malignant tissue in the urothelium and suburothelium.

Classifications:**International (IPC 8-9):** A61B18/20 A61M37/00 A61N5/06

A61N5/067 (Advanced/Invention);

A61N5/06 (Core/Invention)

CPC: A61B18/203 A61B2017/00765 A61B2018/00029

A61B2018/00452 A61B2018/00458 A61N5/0601 A61N5/0603

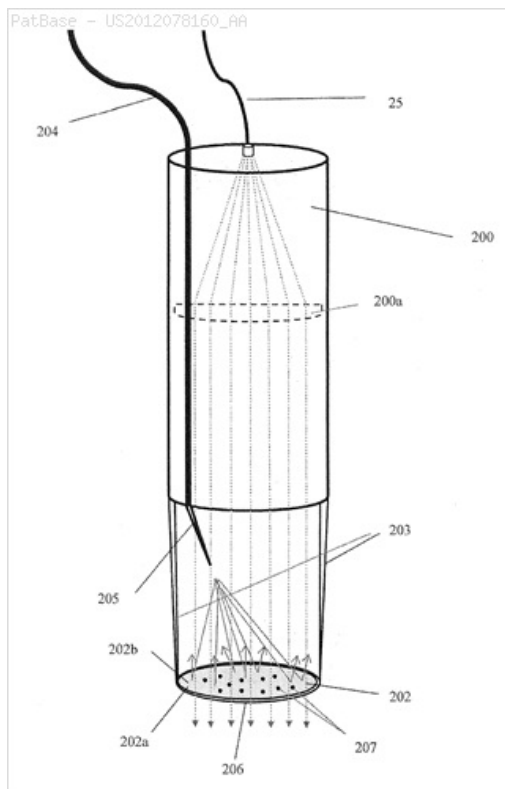
A61N5/062 A61N2005/061 A61N2005/0659 A61N2005/0662

A61N2005/067

European: A61N5/06B4 K61B17/00R2S K61B18/00A2E

K61B18/00F8 K61B18/00F8A K61B18/20H K61N5/067 K61N5/06B

K61N5/06B4U K61N5/06C8 K61N5/06W2 K61N5/06W6

US: 604/20 604/20P 606/13 606/13S 606/9 606/9S**Family:**

Publication number	Publication date	Application number	Application date
US2012078160 AA	20120329	US20110225073	20110902
WO10102099 A1	20100910	WO2010US26195	20100304

Priority:

US20090209188P 20090304 WO2010US26195 20100304 US20110225073 20110902

Probable Assignee: GRADIENT RESEARCH LLC**Assignee(s):** (std): GRADIENT RES LLC ; MCMILLAN KATHLEEN**Assignee(s):** GRADIENT RESEARCH LLC**Inventor(s):** (std): MCMILLAN KATHLEEN**Agent(s):** MEAGHER TIMOTHY J 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 TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

20) Family number: 28440472 (US2003093092A)

© PatBase

Title: OPTICALLY-ABSORBING NANOPARTICLES FOR ENHANCED TISSUE REPAIR

Abstract: This invention is generally in the field of improved methods for the localized delivery of heat and the use thereof for the repair of tissue. The method involves localized induction of hyperthermia in tissue or materials by delivering nanoparticles to the tissue or materials and exposing the nanoparticles to an excitation source under conditions wherein they emit heat. The generation of heat effects the joining of the tissue or materials.

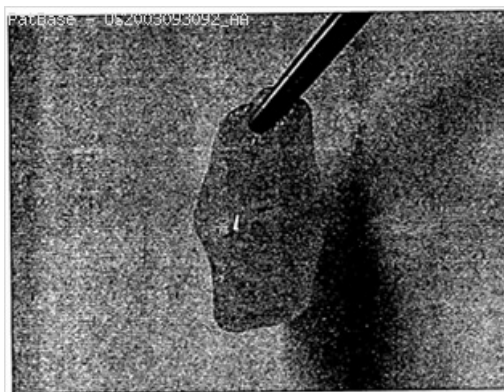
Classifications:**International (IPC 8-9):** A61B18/04 A61B18/20 A61K41/00

A61K47/48 A61L24/00 (Advanced/Invention);

A61B17/00 A61B18/28 (Advanced/Non-invention)

International (IPC 1-7): A61B17/58 A61B18/04 A61N5/067**CPC:** B82Y5/00 A61L24/02 A61B18/20 A61B18/203 A61B18/28

A61B2017/00508 A61B2018/00452 A61B2018/0047 A61K41/0052
A61K41/008 A61L24/001 A61L24/0089 A61L26/0004 A61L26/0095
A61L2400/12 A61K47/6923 A61K47/6929
European: A61B18/20 A61K41/00U A61K41/00W16 A61K47/48W8B
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A61L26/00R B82Y5/00 K61B17/00L6L K61B18/00F8 K61B18/00F8B
K61B18/20H K61B18/28 K61L400/12
US: 606/139 606/139P 606/59 606/59S 606/8 606/8S 607/100
607/88 607/89



Family:

Publication number	Publication date	Application number	Application date
AT519438 E	20110815	AT20020780355T	20020925
AU2002343413 AA	20030407	AU20020343413	20020925
DE60240757 D1	20111013	DE20026040757	20020925
EP1437975 A2	20040721	EP20020780355	20020925
EP1437975 A4	20060322	EP20020780355	20020925
EP1437975 B1	20110810	EP20020780355	20020925
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US6685730 K1	20190617	US20020254233	20020925
WO03026481 A2	20030403	WO2002US30468	20020925
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Priority:

US20010325038P 20010926 EP20020780355 20020925 US20020254233 20020925
WO2002US30468 20020925

Probable Assignee: RICE UNIV

Assignee(s): (std): RICE UNIV ; RICE UNIVERSITY

Assignee(s): SERSHEN SCOTT ; WEST JENNIFER L ; RICE UNIV HOUSTON ; DREZEK REBEKAH ; HALAS NANCY J

Inventor(s): (std): WEST JENNIFER L ; DREZEK REBEKAH ; SERSHEN SCOTT ; HALAS NANCY J ; WEST JENNIFER ; HALAS NANCY

Inventor(s): HALAS NANCY J HOUSTON ; SERSHEN SCOTT HOUSTON ; WEST JENNIFER L PEARLAND ; DREZEK REBEKAH HOUSTON ; NANCY J HALAS ; SCOTT SERSHEN ; JENNIFER L WEST ; REBEKAH DREZEK

Agent(s): KRAUS AND WEISERT PATENTANWALTE PARTGMBB; WOODS GEOFFREY CORLETT

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

21) Family number: 28291387 (US2002187993A)

© PatBase

Title: BIFUNCTIONAL ENERGY-REVERSIBLE ACYL-COMPOSITIONS

Abstract: Energy-reversible acyl conjugates, intermediates, and related compositions are disclosed. In preferred aspects, examples of such compositions include:

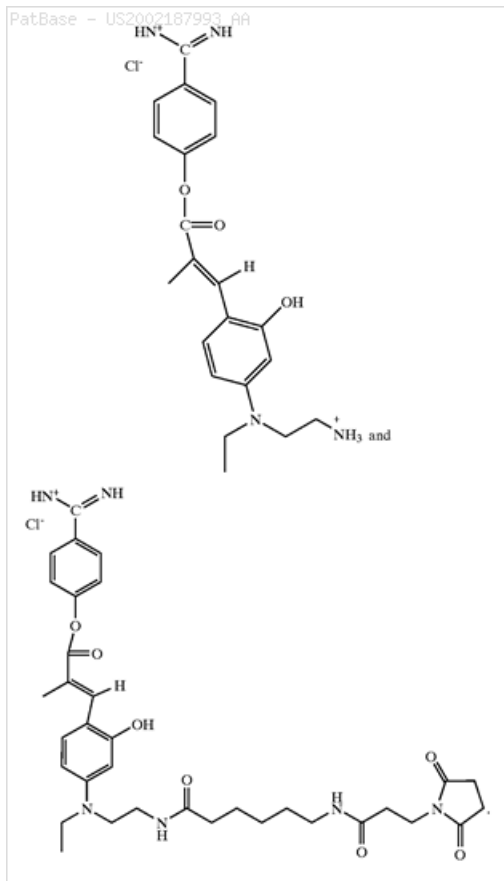
Classifications:

International (IPC 8-9): A61K31/135 A61K31/16 A61K31/165
A61K31/40 A61K31/44 A61K31/495 A61K31/50 A61K31/704
A61K38/43 A61K38/48 A61K39/39 A61K39/395 A61K41/00
A61K47/00 A61K47/48 A61P35/00 C07C15/04 C07C211/45
C07C229/00 C07C257/18 C07C271/20 C07C57/44 C07D207/40
C07D207/416 C07D207/448 C07D207/452 C07D213/55 C07D241/04
C07D295/00 C07K14/78 C07K16/00 C07K16/18 C07K16/30
C07K16/32 C07K16/46 C12N9/00 C12N9/16 C12N9/48 C12N9/68
C12N9/72 C12N9/74 (Advanced/Invention);
C07D207/40 C07D207/44 (Advanced/Non-invention);
A61K31/16 A61K39/39 C07K14/43 (Core/Invention)

International (IPC 1-7): A01N43/58 A01N47/10 A01N51/00 A61F6/00
A61K31/135 A61K31/165 A61K31/40 A61K31/44 A61K31/495
A61K38/43 A61K38/48 A61K39/395 A61K41/00 A61K47/48
A61P35/00 C07C15/04 C07C211/00 C07C211/45 C07C257/18
C07C271/20 C07C321/00 C07C49/76 C07D207/40 C07D207/448
C07D213/55 C07D241/04 C07K16/00 C07K16/18 C12N13/00
C12N9/00 C12N9/16 C12N9/48 C12N9/68 C12N9/72

CPC: C12Y304/21005 C07C271/20 A61K41/00 C07C257/18
C07D207/416 C07D207/452 C07K16/3015 C07K16/3023
C07K16/3046 C07K16/32 C07K2317/73 C12N9/6429 A61K47/6815
A61K47/6855 A61K47/6857 A61K47/6863 A61K47/6889
European: A61K41/00 A61K47/48T2C12M A61K47/48T4B30B
A61K47/48T4B30D A61K47/48T4B30K A61K47/48T6 C07C257/18
C07C271/20 C07D207/416 C07D207/452 C07K16/30B C07K16/30D
C07K16/30K C07K16/32 C12N9/64F21B M07K317/730

US: 435/183 514/247 514/252.12 514/277 514/34 514/396 514/461
514/461S 514/529 514/532 514/532S 514/554 514/568 514/613
514/614 514/617 514/617S 514/773 514/785 530/391.1
530/391.100P 530/409 530/409S 544/358 546/335 546/335S
546/341 546/341S 548/542 549/499 549/499S 560/104 560/104S
560/35 560/35P 560/45 564/161 564/161S 564/164 564/167

**Family:**

Publication number	Publication date	Application number	Application date
AU2002303316 AA	20021028	AU20020303316	20020412
CA2444262 AA	20031016	CA20022444262	20020412
EP1392204 A2	20040303	EP20020731335	20020412
EP1392204 A4	20070718	EP20020731335	20020412
JP2004535379 T2	20041125	JP20020580838T	20020412
US2002187993 AA	20021212	US20020066323	20020131
US2006106204 AA	20060518	US20050324053	20051230
US2007167644 AA	20070719	US20070694023	20070330
US7157458 BB	20070102	US20020066323	20020131
US7449315 BB	20081111	US20070694023	20070330
WO02083030 A2	20021024	WO2002US11476	20020412
WO02083030 A3	20031218	WO2002US11476	20020412

Priority:

US20010284308P 20010417 US20020066323 20020131 WO2002US11476 20020412
 US20050324053 20051230 US20070694023 20070330

Probable Assignee: CRYOLIFE INC

Assignee(s): (std): CRYOLIFE INC ; BLACK KIRBY S ; GILBERT CARL W ; HARPER T GREGORY P ; MCGOWAN ELEANOR B

Assignee(s): WELLS FARGO FOOTHILL INC ; HEALTHCARE FINANCIAL SOLUTIONS LLC SUCCESSOR AGENT AS ; HEMOSPHERE INC ; ON X LIFE TECHNOLOGIES INC F K A MCRI INC ; VALVE SPECIAL PURPOSE CO LLC ; HEALTHCARE FINANCIAL SOLUTIONS LLC AGENT AS ; CARDIOGENESIS N K A CRYOLIFE INC CORP ; CRYOLIFE ACQUISITION CORP ; DEUTSCHE BANK NEW YORK BRANCH COLLATERAL AGENT AG AS ; GENERAL ELECTRIC CAPITAL AGENT AS CORP

Inventor(s): (std): BLACK KIRBY S ; GILBERT CARL W ; HARPER T GREGORY P ; MCGOWAN ELEANOR B

Inventor(s): MCGOWAN ELEANOR ; HARPER T GREGORY ; GILBERT CARL ; BLACK KIRBY ; HARPER TGREGORY P ; HARPER TGREGORY ; HARPER T

Agent(s): GRIFFITH HACK; MACRAE AND CO; ROBERTS AND MERCANTI LLP EDC II; LUCAS AND MERCANTI 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 CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

22) Family number: 33034860 (AU2003200956A)

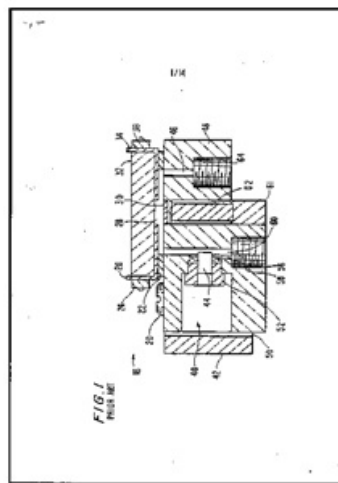
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Title: Improved Apparatus and Methods for Carrying Out Electrochemiluminescence Test Measurements

Abstract: IMPROVED APPARATUS AND METHODS FOR CARRYING OUT ELECTROCHEMILUMINESCENCE TEST MEASUREMENTS Abstract Apparatus for the conduct of electrochemiluminescence measurements includes an ECL chamber (130) having a transparent window (127) defining one wall of the chamber and a photodetector (122) mounted closely adjacent thereto. An assay fluid is subject to a magnetic field and is electrically energized. Electrochemiluminescence induced in the fluid is measured by the photodetector. JI:\DAYLB\L[BFF] 11077spec.doc:gcc

Classifications:

International (IPC 8-9): G01N21/66 (Advanced/Invention);

**Family:**

Publication number	Publication date	Application number	Application date
AU2003200956 AA	20030612	AU20030200956	20030312
AU2003200956 BB	20060119	AU20030200956	20030312
AU2006201608 AA	20060511	AU20060201608	20060419
AU2006201608 BB	20070607	AU20060201608	20060419
AU2007202337 AA	20070614	AU20070202337	20070523

Priority:

US19980076325 19980511 AU19990039810 19990511 AU20030200956 20030312
 AU20060201608 20060419

Probable Assignee: BIOVERIS CORP

Assignee(s): (std): BIOVERIS CORP

Inventor(s): (std): DAVIS CHARLES QUENTIN ; GAMBREL DAVID R ; IVANOV SERGEY ; LILJESTRAND JOHN ;
 WOHLSTADTER JACOB N ; ZHANG JUE ; SERGEY IVANOV ; JUE ZHANG ; JOHN LILJESTRAND ; JACOB N
 WOHLSTADTER ; DAVID R GAMBREL ; CHARLES QUENTIN DAVIS

Agent(s): SPRUSON AND FERGUSON

23) Family number: 54742615 (US2015066000A)

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Title: SURGICAL TOOL WITH INTEGRATED SENSOR

Abstract: An instrumented surgical tool and associated systems and methods for performing surgical procedures such as tissue dissection or ligation using the instrumented surgical tool are described. In particular, a surgical tool operatively connected to a sensor used to detect a structural artifact such as the presence and characteristics of a blood vessel and to evaluate the safe use of the surgical tool within a surgical field is described.

Classifications:

International (IPC 8-9): A61B10/00 A61B17/00 A61B17/072

A61B17/28 A61B17/29 A61B18/00 A61B18/12 A61B18/14

A61B19/00 A61B34/00 A61B5/00 A61B5/026 A61B5/0285

A61B5/1455 A61B5/1459 A61B8/12 (Advanced/Invention);

A61B1/313 A61B17/00 A61B17/29 A61B5/02

A61B90/00 (Advanced/Non-invention)

CPC: A61B5/0084 A61B5/1455 A61B8/12 A61B2018/1422

A61B18/1445 A61B2017/00084 A61B2018/00636 A61B2018/00642

A61B2018/00678 A61B2018/00863 A61B2018/0088 A61B2018/00898

A61B2018/00904 A61B2018/1417 A61B2018/1452 A61B2018/146

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A61B2090/3784 A61B34/25 A61B17/282 A61B34/76 A61B1/3132

A61B2090/373 A61B90/361 A61B2017/00115 A61B2017/2926

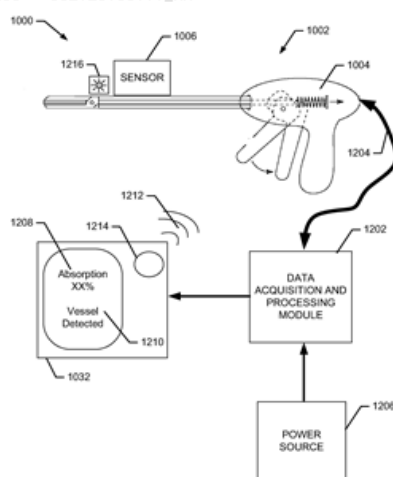
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A61B2505/05 A61B2562/043 A61B2017/00473

US: 606/1 606/207

PatBase - US2015066000_AA

**Family:**

Publication number	Publication date	Application number	Application date
EP2822484 A1	20150114	EP20130757786	20130306
EP2822484 A4	20151118	EP20130757786	20130306

JP2015516182 T2	20150611	JP20140561085T	20130306
US2015066000 AA	20150305	US20130383173	20130306
US2017367772 AA	20171228	US20170698844	20170908
WO13134411 A1	20130912	WO2013US29412	20130306

Priority:

US20120607335P 20120306 US20130383173 20130306 WO2013US29412 20130306
US20140383173 20140905 US20160384841P 20160908 US20170698844 20170908

Probable Assignee: BRITSEED LLC

Assignee(s): (std): AN ANDREW ; BOKHARI MUNEEB ; BRITSEED LLC ; FEHRENBACHER PAUL ; GUNN JONATHAN ; VIJAYVERGIA MAYANK

Assignee(s): INSIGHT PRODUCT DEVELOPMENT LLC

Inventor(s): (std): FEHRENBACHER PAUL ; BOKHARI MUNEEB ; GUNN JONATHAN ; AN ANDREW ; VIJAYVERGIA MAYANK ; SUBRAMANIAN HARIHARAN ; MCPHILLIAMY STEVE

Agent(s): PATENTANWAELE OLBRIGHT BUCHHOLD KEULERTZ; AXIS PATENT INT; MCCAY MICHAEL

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

24) Family number: 72482770 (US2018360355A)

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Title: SYSTEM AND METHOD FOR MEASURING AN AMOUNT OF BLOOD AND/OR CLOTTING IN A POCKET SURROUNDING AN IMPLANTABLE MEDICAL DEVICE

Abstract: A system and method for measuring an amount of blood and/or clotting in a pocket around an implantable device. The system may include a first light source configured to emit light over a first wavelength range. The system may include a first photodetector configured to output a first signal indicative of an amount of the first light received by the first photodetector. The system may include the implantable device and an external device. The implantable device may include one of the first light source and the first photodetector, and the external device may include the other of the first light source and the first photodetector. In some embodiments, the external device may include a controller configured to calculate the amount of blood/or clotting in the pocket around the implantable device using at least a measurement of the first signal.

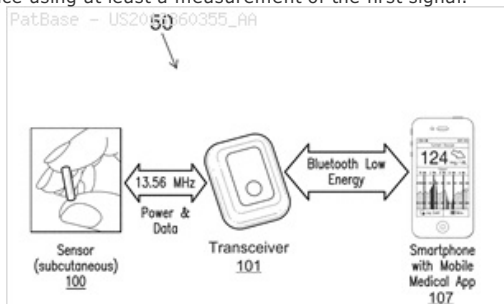
Classifications:

International (IPC 8-9): A61B5/00 A61B5/02 A61B5/026 A61B5/0295 A61B5/145 A61B5/1455 A61B5/1459 A61B5/1495 G01N21/59 (Advanced/Invention)

CPC: A61B5/1495 A61B5/02042 A61B5/1459 A61B5/1451 A61B2560/0276 A61B2562/0238 A61B5/6861 A61B5/14532

A61B5/14556

US: 600/317



Family:

Publication number	Publication date	Application number	Application date
US2018360355 AA	20181220	US20180009912	20180615
WO18232350 A1	20181220	WO2018US37913	20180615

Priority:

US20170520088P 20170615 US20180009912 20180615

Probable Assignee: SENSEONICS INC

Assignee(s): (std): SENSEONICS INC

Inventor(s): (std): CHAVAN ABHI ; MASCIOTTI JAMES

Agent(s): BATTAGLIA MICHAEL V

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

25) Family number: 11349489 (US5630811A)

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Title: Method and apparatus for hair removal

Abstract: A laser treatment method for removing unwanted human hair includes irradiating a treatment site with post-coherent light of selected wavelength and peak power level and post duration, and repeating the post-coherent laser irradiation on one or more subsequent occasions with selected light parameters. A therapeutic treatment device has a laser and associated support elements and has a dermatology handpiece with a distance gage, a conduit for applying pressure and/or cooling to the treatment site and, optionally, cooling elements.

Classifications:

International (IPC 8-9): A45D26/00 A61B18/20 (Advanced/Invention); A61B18/00 (Advanced/Non-invention)

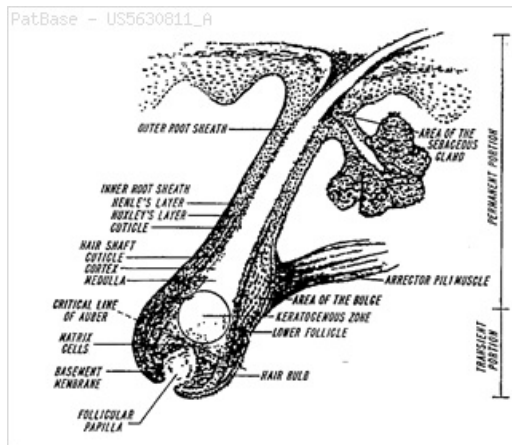
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CPC: A61B18/203 A61B2018/00011 A61B2018/00029

A61B2018/00452 A61B2018/00476

European: A61B18/20H K61B18/00A2 K61B18/00A2E K61B18/00F8 K61B18/00F8C K61B18/20H

US: 606/9

**Family:**

Publication number	Publication date	Application number	Application date
CA2222222 AA	19971125	CA1997222222	19970211
EP0830090 A1	19980325	EP19970905880	19970211
JP2000501016 T2	20000202	JP19970534384T	19970211
US5630811 A	19970520	US19960621952	19960325
US5853407 A	19981229	US19970844427	19970418
WO9735526 A1	19971002	WO1997US02071	19970211

Priority:

US19960621952 19960325 WO1997US02071 19970211 US19970844427 19970418
JP19980275759 19980929

Probable Assignee: LUXAR CORP

Assignee(s): (std): LUXAR CORP ; MILLER IAIN D ; MILLER IAN D

Assignee(s): MIZRAHI TEFAHOT TRUST COMPANY LTD ; MEDICAL LASER SOLUTIONS ; MEDICAL LASER SOLUTIONS LLC ; BANK HAPOLIM BM ; LUMENIS LTD

Inventor(s): (std): MILLER IAIN D ; MILLER IAN D

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP

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

26) Family number: 57409834 (US2016042507A)

© PatBase

Title: SYSTEM AND METHODS FOR THE IN VITRO DETECTION OF PARTICLES AND SOLUBLE CHEMICAL ENTITIES IN BODY FLUIDS

Abstract: A system and methods for detecting particles and soluble chemical entities in body fluids consists of a system consisting of a microscopic apparatus, a sample chamber and reagents and methods used to detect, classify and enumerate particles and chemical entities in body fluids. Body fluids containing particles combined with reagents sediment to the bottom of a viewing chamber bringing them into the focal place of a digital microscopic detector. Particles identified as areas within a captured digital image that absorb or emit electromagnetic radiation can be further classified based on additional absorbed or emitted electromagnetic radiation within the predefined areas of the first digital image. Soluble chemical entities in body fluids are detected and concentrations determined using transmitted or emitted electromagnetic radiation using known chemical or antibody reactions, making the microscopic device a general purpose detector for in vitro determinations using body fluids.

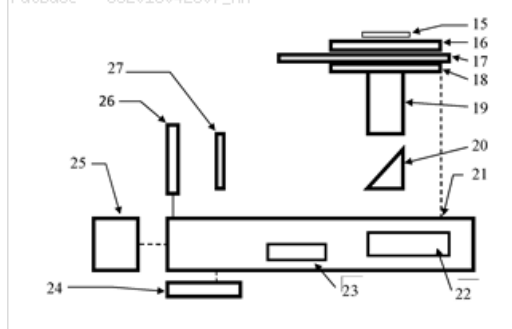
Classifications:

International (IPC 8-9): B01L3/00 C12Q1/02 C12Q1/68 G01N1/38 G01N15/00 G01N15/04 G01N15/10 G01N15/14 G01N21/27 G01N21/64 G01N21/77 G01N33/48 G01N33/483 G01N33/49 G01N33/72 G02B21/00 G02B21/08 G02B21/36 G06K9/00 G06M11/00 G06T G06T1/00 G06T7/00 G06T7/33 G06T7/40 G06T7/73 (Advanced/Invention)

CPC: G06T7/0012 G06T2207/10056 G06T2207/30024 B01L3/508 B01L2300/168 B01L3/50 G02B21/088 G06T7/33 G06T7/73 G06T2207/10152

US: 382/128

PatBase - US2016042507_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2014229420 AA	20150924	AU20140229420	20140310
BR112015023081 A2	20170718	BR20151123081	20140310
CA2905564 AA	20150911	CA20142905564	20140310
CN105492887 A	20160413	CN201480027187	20140310
EA201591800 A1	20160429	EA20150091800	20140310
EP2973408 A2	20160120	EP20140765063	20140310
EP2973408 A4	20170614	EP20140765063	20140310
ID201701258 A	20170224	ID2015P0005457	20140310
IL241588 A0	20151231	IL20140241588	20140310
JP2016522880 T2	20160804	JP20150562467T	20140310
SG10201707599W A1	20171030	SG20171007599	20140310

SG11201506786V A1	20150929	SG20151106786	20140310
US2016042507 AA	20160211	US20140776555	20140310
US10032270 BB	20180724	US20140776555	20140310
WO14141034 A2	20140918	WO2014IB59581	20140310
WO14141034 A3	20151217	WO2014IB59581	20140310

Priority:

US20130790764P 20130315 US20140776555 20140310 WO2014IB59581 20140310

Probable Assignee: TURNER RICHARD

Assignee(s): (std): RICHARD HARRY TURNER ; TURNER RICHARD ; TURNER RICHARD H ; TURNER RICHARD HARRY

Inventor(s): (std): TURNER RICHARD HARRY ; TURNER RICHARD H ; RICHARD HARRY TURNER

Agent(s): FB RICE; FB RICE PTY LTD; SMART AND BIGGAR; ZACCO DENMARK A S; HERU LUKITO; AMICA LAW LLC; MORRISON AND FOERSTER LLP

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

27) Family number: 29171878 (US2003188740A)

© PatBase

Title: METHOD FOR PRODUCTION OF ENHANCED TRACEABLE IMMUNIZING DRINKING WATER AND OTHER LIQUID AND GAS PRODUCTS, DEVICES FOR PRODUCTION AND USE THEREOF, AND USE OF THE ENHANCED PRODUCTS FOR IMMUNIZING LIVING BEINGS

Abstract: A method for the production of enhanced traceable optp-physiological polished liquids, and gases or solids or combination for immunizing living beings, devices using the method, use, and preferred mode for utilization are disclosed. A multi processing platform is proposed according to the invention harnessing time domain optronics of light and sound, wherein the transient sound produced by light is measured, referenced or calibrated against the light produced by sound for the formation adequate energy levels or densities or fluence rates for the purpose of dissociation of noxious or innocuous species or combination constituents components while keeping their geometrical integrity above their predetermined resonance levels, thus intact for later traceable recognition and triggering of positive decisive action by immune systems.

Classifications:

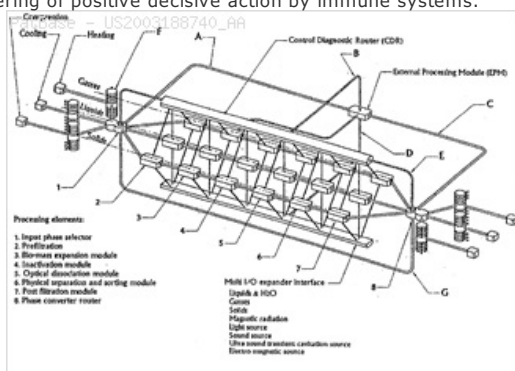
International (IPC 8-9): A23L1/29 A23L2/38 A23L2/52 A23L33/00 A61K36/00 A61K39/00 A61K47/04 A61K9/02 A61K9/08 A61K9/10 A61K9/20 A61K9/48 A61K9/72 A61P31/04 A61P31/12 A61P31/16 A61P35/00 A61P37/02 A61P37/04 A61P37/08 A61P43/00 B01D61/14 B01J19/08 B01J3/00 C02F1/30 C02F1/32 C02F1/34 C02F1/44 C02F1/72 C02F1/78 C02F9/00 (Advanced/Invention); C02F1/30 C02F1/32 C02F1/36 C02F1/68 C02F1/72 C02F1/78 (Advanced/Non-invention); A23L1/29 A23L2/38 A23L2/52 A61K36/00 A61K39/00 A61K47/02 A61K9/02 A61K9/08 A61K9/10 A61K9/20 A61K9/48 A61K9/72 A61P31/00 A61P35/00 A61P37/00 A61P43/00 B01D61/14 B01J19/08 B01J3/00 C02F1/30 C02F1/32 C02F1/34 C02F1/44 C02F1/72 C02F1/78 C02F9/00 (Core/Invention); C02F1/30 C02F1/32 C02F1/34 C02F1/68 C02F1/72 C02F1/78 (Core/Non-invention)

International (IPC 1-7): A23L A23L1/29 A23L2/38 A23L2/52 A61K33/00 A61K35/78 A61K39/00 A61K47/04 A61K9/02 A61K9/08 A61K9/10 A61K9/20 A61K9/48 A61K9/72 A61M11/00 A61P31/04 A61P31/12 A61P31/16 A61P35/00 A61P37/02 A61P37/04 A61P37/08 A61P43/00 B01D53/00 B01D61/14 B01J19/08 B01J3/00 C02F1/30 C02F1/32 C02F1/34 C02F1/44 C02F1/72 C02F1/78 C02F9/00

CPC: Y02W10/37 C02F9/00 C02F1/30 C02F1/32 C02F1/36 C02F1/68 C02F1/72 C02F1/72S C02F1/78

European: C02F9/00 M02F1/30 M02F1/32 M02F1/36 M02F1/68 M02F1/72C M02F1/72K M02F1/78

US: 128/200.14 424/600



Family:

Publication number	Publication date	Application number	Application date
AU2001252525 AA	20011112	AU20010252525	20010427
AU200152525 A1	20011112	AU20010052525	20010427
AU200152525 A5	20011112	AU20010052525	20010427
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IL135843 A0	20010520	IL20000135843	20000428
JP2003531875 T2	20031028	JP20010580822T	20010427
US2003188740 AA	20031009	US20030258349	20030527
WO0183385 A2	20011108	WO2001IL00383	20010427
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Priority:

IL20000135843 20000428 WO2001IL00383 20010427

Probable Assignee: ATLANTUM LASERS LTD

Assignee(s): (std): ATLANTUM LTD ; ENDE MICHAEL ; TRIBELSKY ZAMIR

Assignee(s): ZAMIR TRIBELSKY ; MICHAEL ENDE ; ATLANTUM LASERS LTD

Inventor(s): (std): TRIBELSKY ZAMIR ; ENDE MICHAEL

Inventor(s): MICHAEL ENDE ; ZAMIR TRIBELSKY

Agent(s): IKEUCHI SATO AND PARTNER PATENT ATTORNEYS

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 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: PORTABLE SEMICONDUCTOR DIODE LASER FOR MEDICAL TREATMENT

Abstract: Semiconductor lasers, in which the laser diode output is used directly for medical treatment, can be compact, lightweight and efficient. Lasers operating in the relatively "eye-safe" window of about 1350-1600 nm can be used to treat wounds and diseases of the skin and other organs, for example to cut, ablate or coagulate bodily tissues and fluids. Because the wavelength is eye-safe, the treatment can be through-space, and does not require the use of a fiber optic containment system. The device need not directly contact tissue. Such devices can be battery operated, are portable and self-contained, and thus are suitable for uses that are not confined to medical facilities, including use in emergency situations and in military operations.

Classifications:

International (IPC 8-9): A61B18/20 A61N5/06 (Advanced/Invention);

A61B18/20 A61N5/06 (Core/Invention)

CPC: A61B18/24 A61B2018/00577 A61B2018/00589

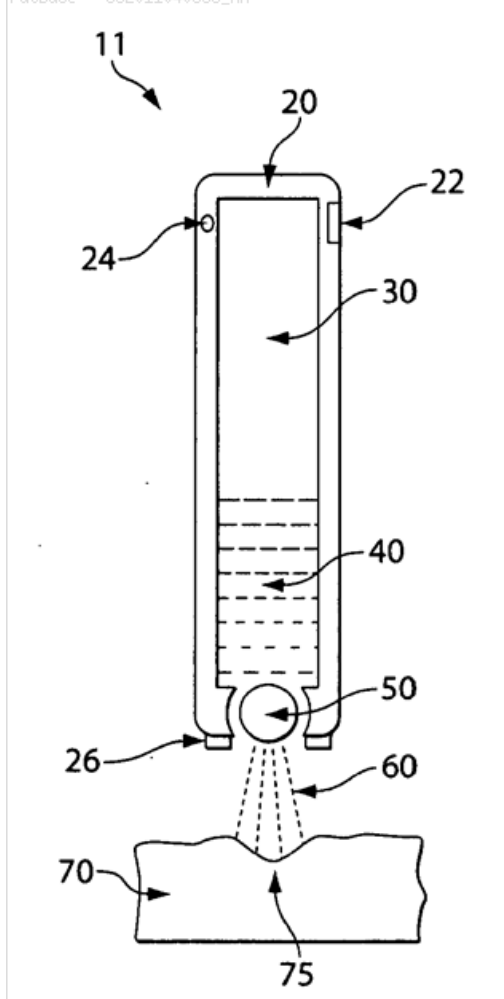
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European: A61B18/20H K61B18/00F8 K61B18/20F2 K61N5/06W2F

US: 607/89 607/89P

PatBase - US2011040358_AA



Family:

Publication number	Publication date	Application number	Application date
US2011040358 AA	20110217	US20090920947	20090303
WO09111010 A1	20090911	WO2009US01350	20090303

Priority:

US20080067915P 20080303 US20090920947 20090303 WO2009US01350 20090303

Probable Assignee: SEMINEX CORP

Assignee(s): (std): BEAN DAVID M ; FREEMAN DONALD C ; SEMINEX CORP

Inventor(s): (std): BEAN DAVID M ; FREEMAN DONALD C

Agent(s): HOUSTON ELISEEVA; HOUSTON GRANT J

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 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

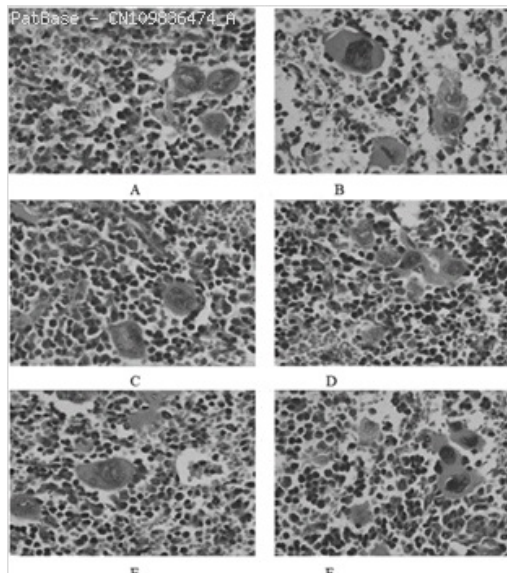
Title: A polypeptide having blood hemostatic efficacy of yak leather and preparation method thereof (Machine translation)

Abstract: Source: CN109836474A **Machine translation:** The present invention relates to the field of medicine, and more particularly relates to a polypeptide having blood hemostatic efficacy of yak leather and its preparation method. The yak molecular weight 17 Kda, 34 Kda, skin peptide by peptide bonds consisting of 43 Kda, ultraviolet absorption maximum wavelength at 216 nm, the amide I band infrared spectrum at 1600 ~ 1700 cm⁻¹, the amide II band infrared spectrum at 1560~1500 cm⁻¹, the amides III infrared spectroscopy at 1234~1237 cm⁻¹. Preparation methods include dermabrasion, heating, put Mo, formulated enzyme solution, concentrated by centrifugation and separation and dried. In the present invention pure natural pollution-free from the Qinghai-Tibet Plateau yak leather as the main raw material, extensive source of raw materials, nutrient-rich, to improve the economic value of yak leather while increasing the nourishing blood hemostatic efficacy of the product; Preparation operation is simple; Was yak leather polypeptide having three segments of molecular weight and blood hemostatic bioactive ingredients, can accelerate platelet aggregation to the wound edges and

intertwined, so that accelerate blood coagulation, at the wound, creating fibrin.

Classifications:

International (IPC 8-9): A61K38/01 A61P7/06 C07K1/34 C07K2/00 C12P21/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN109836474 A	20190604	CN201910206019	20190319

Priority:

CN201910206019 20190319

Probable Assignee: NORTHWEST INST OF PLATEAU BIOLOGY CHINESE ACADEMY OF SCIENCES

Assignee(s): (std): NORTHWEST INST OF PLATEAU BIOLOGY CHINESE ACADEMY OF SCIENCES

30) Family number: 12454024 (DE19934038A1)

© PatBase

Title: Device for spectral photometric diagnosis of healthy and sick skin tissue has transmission devices for illuminating skin surface and on remission measurement head light output side

Abstract: The equipment has glass fibre optic transmission devices (7) for illuminating the skin surface (11) at a distance greater than the free path length between two scattering processes of a photon (10) in skin tissue from glass fibre optic transmission devices (8) arranged centrally on the light output side of a remission measurement head (1) to pass ultraviolet, visible and near infrared light to detection units.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/103

A61B6/00 (Advanced/Invention);

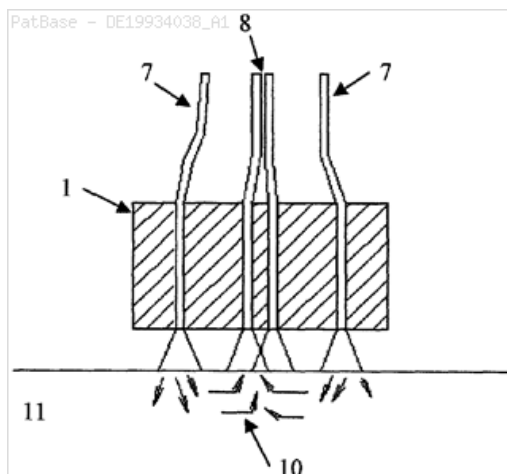
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International (IPC 1-7): A61B5/00 A61B6/00

CPC: A61B5/6886 A61B5/0059 A61B5/441 A61B5/443 A61B5/6844

European: A61B5/00P A61B5/44B A61B5/44B3 A61B5/68B6

A61B5/68D6



Family:

Publication number	Publication date	Application number	Application date
DE19934038 A1	20010208	DE19991034038	19990720
DE29924810 U1	20051124	DE19992024810U	19990720

Priority:

DE19991034038 19990720

DE19992024810U 19990720

Probable Assignee: GESELLSCHAFT ZUR FOERDERUNG VON MEDIZIN BIO UND UMWELTTECHNOLOGIEN EV

Assignee(s): GESELLSCHAFT ZUR FOERDERUNG VON MEDIZIN BIO UND UM ; GESELLSCHAFT ZUR FOERDERUNG VON MEDIZIN BIO UND UM ; GESELLSCHAFT ZUR FOERDERUNG VON MEDIZIN BIO UNDUMW ; GESELLSCHAFT ZUR FOERDERUNG VON MEDIZIN BIO UNDUMWELTTECHNOLOGIEN EV ; ZUR FOERDERUNG VON MEDIZIN BIO UNDUMWELTTECHNOLOGI ; ZUR FOERDERUNG VON MEDIZIN BIO UNDUMWELTTECHNOLOGIEN EV GES

Inventor(s): (std): WOLLINA UWE ; SCHMIDT WOLF DIETER ; LIEBOLD KRISTIN ; KUEHN THOMAS ; FASLER DIETER

Title: DERMATOLOGICAL LASER TREATMENT SYSTEM WITH ELECTRONIC VISUALIZATION OF THE AREA BEING TREATED

Abstract: A hand held microsurgical instrument for applying laser energy to selected locations (sites) in an area under the skin (or other exposed translucent tissue) to provide localized photothermolysis of underlying tissue at these sites, is described. The laser energy is focused into a spot within the tissue. This spot is of sufficiently small size so that the energy density is sufficient to provide surgical or treatment effects within the tissue without damaging the surface tissue. In dermatology, for example, the technique can be used to destroy endothelial cells in blood vessels which are desired to be removed, such as spider veins (nevi) in the skin, hair follicles to prevent hair growth therefrom, or other microsurgical procedures. The area is visualized while the laser beam is steered, using a deflection system, in X and Y coordinates. A telecentric optical system, in which a mirror of the deflection system is located, directs the laser light essentially perpendicular to the area to be treated as the beam is scanned over the area. The optical system also focuses illumination light reflected from the area to a sensor matrix of a CCD video camera. The reflected illumination light is imaged essentially parallel to the optical axis in the object space thereby providing a precise, high resolution image corresponding to the area. The laser beam may be tracked as it is deflected over the area to the selected locations by visualization thereof on a display or monitor associated with the video camera. The locations are then apparent to the treating physician who can then effect an increase of the beam power or turn the beam on so as to treat the tissue in the selected locations.

Classifications:

International (IPC 8-9): A61B17/00 A61B18/20 A61B19/00

A61N5/06 (Advanced/Invention);

A61B17/00 A61B19/00 A61N5/06 (Advanced/Non-invention);

A61B18/20 A61N5/06 (Core/Invention);

A61B17/00 A61B19/00 (Core/Non-invention)

International (IPC 1-7): A61B17/36 A61N5/02 A61N5/06

CPC: A61B2090/373 A61B18/203 A61B18/20 A61B2017/00756

A61B2018/00452 A61B2018/00476 A61B2018/00904

A61B2018/20359

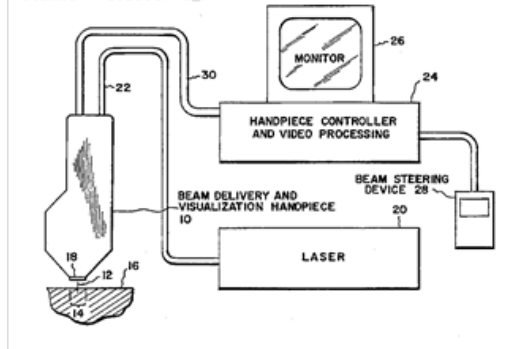
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K61B18/20S4 K61B19/52H6

US: 128/898 606/10 606/12 606/17 606/18 606/3 606/9 607/89

PatBase - US5653706_A



Family:

Publication number	Publication date	Application number	Application date
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EP0710136 A1	19960508	EP19940923982	19940720
EP0710136 A4	19980610	EP19940923982	19940720
EP0710136 B1	20040204	EP19940923982	19940720
JP09501334 T2	19970210	JP19940505286T	19940720
JP9501334 T2	19970210	JP19940505286T	19940720
US5653706 A	19970805	US19950395223	19950227
US5860967 A	19990119	US19930094296	19930721
WO9503089 A1	19950202	WO1994US08169	19940720

Priority:

US19930094296 19930721 WO1994US08169 19940720 US19950395223 19950227

Probable Assignee: LUCID INC

Assignee(s): (std): LUCID INC ; LUCID TECH INC ; LUCID TECHNOLOGIES INC

Assignee(s): MANUFACTURERS AND TRADERS TRUST CO ; SQUARE 1 BANK ; NORTHEAST LCD CAPITAL LLC ; CEPHAS CAPITAL PARTNERS LP

Inventor(s): (std): JAMES M ZAVISLAN ; JAY M EASTMAN ; EASTMAN JAY M ; ZAVISLAN JAMES M

Designated states: AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK ES FI FR GA GB GN GR HU IE IT JP KP KR KZ LI LK LU LV MC MG ML MN MR MW NE NL NO NZ PL PT RO RU SD SE SK SN TD TG UA UZ VN

32) Family number: 52370240 (US2013338627A)

Title: FIBER ARRAY FOR OPTICAL IMAGING AND THERAPEUTICS

Abstract: The present invention relates to the field of optical imaging and therapeutics. More particularly, embodiments of the present invention provide minimally-invasive Fiberoptic Microneedle Devices (FMDs) for light-based therapeutics, which physically penetrate tissue and deliver light directly into the target area below the skin surface. Embodiments of the invention enable depth-selective and deep photothermal therapeutics and include methods of treating cancer, methods of re-shaping or removing adipose tissue, and methods of delivering drugs or co-delivering drugs and energy to selected tissue.

Classifications:

International (IPC 8-9): A61B17/34 A61B18/18 A61B18/20

A61B18/22 A61M1/00 A61M5/158 A61N5/06 (Advanced/Invention);

A61B17/34 A61B18/00 A61B18/22 A61M5/158

A61N5/06 (Advanced/Non-invention)

CPC: A61M1/008 A61B18/20 A61B2018/00452 A61B2018/00464

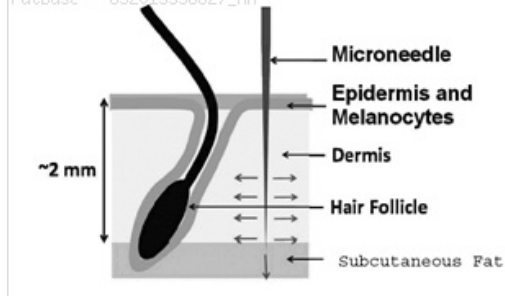
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A61M2202/08 A61N2005/0612 A61N2005/063 F04C2270/0421

A61B18/22

US: 604/501 604/542

PatBase - US2013338627_AA



Family:

Publication number	Publication date	Application number	Application date
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EP2680776 A2	20140108	EP20120781846	20120228
EP2680776 A4	20140924	EP20120781846	20120228
US2013338627 AA	20131219	US20120002058	20120228
US10220124 BB	20190305	US20120002058	20120228
WO12154284 A2	20121115	WO2012US26968	20120228
WO12154284 A3	20130328	WO2012US26968	20120228

Priority:

US20090156273P 20090227 WO2010US25809 20100301 US20110447380P 20110228
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Probable Assignee: VIRGINIA TECH INTELLECTUAL PROPERTIES INC

Assignee(s): (std): GRANT DAVID C ; HOOD ROBERT L ; KOSOGLU MEHMET A ; ROBERTSON JOHN L ; ROSSMEISL JOHN H ; VIRGINIA TECH INTELLECTUAL PROPERTIES INC ; RYLANDER CHRISTOPHER G ; RYLANDER MARISSA N ; VIRGINIA TECH INTELL PROP ; RYLANDER CHRISTOPHER

Assignee(s): VIRGINIA POLYTECHNIC INST AND STATE UNIV

Inventor(s): (std): RYLANDER MARISSA N ; KOSOGLU MEHMET A ; GRANT DAVID C ; ROBERTSON JOHN L ; HOOD ROBERT L ; RYLANDER CHRISTOPHER G ; ROSSMEISL JOHN H ; RYLANDER CHRISTOPHER

Agent(s): GERBINO ANGELO; NEW RIVER VALLEY IP LAW PC; MAYBERRY MICHELE L

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

33) Family number: 23600480 (US2001007759A)

© PatBase

Title: METHOD FOR RAPID THERMAL CYCLING OF BIOLOGICAL SAMPLES

Abstract: A thermal cycling method and device is disclosed. The device comprises a sample chamber whose temperature can be rapidly and accurately modulated over a range of temperatures needed to carry out a number of biological procedures, such as the DNA polymerase chain reaction. Biological samples are placed in glass micro capillary tubes and then located inside the sample chamber. A programmable controller regulates the temperature of the sample inside the sample chamber. Once a heating cycle is completed, the controller opens a door to the chamber for venting hot air out and cool ambient air is moved in. Temperature versus time profiles corresponding to optimum denaturation, annealing and elongation temperatures for amplification of DNA are achieved by the present invention.

Classifications:

International (IPC 8-9): B01L3/14 B01L7/00 B01L9/00 B10J19/18 C07H21/00 C07H21/04 C12M1/00 C12M1/26 C12M1/34 C12M1/38 C12M1/40 C12N15/09 C12N15/10 C12P19/34 C12Q1/68 G01N1/00 G01N15/00 G01N21/01 G01N21/03 G01N21/07 G01N21/25 G01N21/64 G01N21/76 G01N21/78 G01N30/46 G01N33/00 G01N33/50 G01N33/58 G01N35/00 G01N35/02 G01N35/10 (Advanced/Invention); C12N15/09 C12P19/34 C12Q1/68 G01N21/03 G01N21/07 G01N21/76 G01N30/02 G01N30/06 G01N30/30 G01N30/46 G01N33/50 G01N33/58 G01N35/00 G01N35/02 (Advanced/Non-invention); B01L3/14 B01L7/00 C12M1/34 C12M1/36 C12Q1/68 G01N1/00 G01N15/00 G01N21/25 G01N21/64 G01N30/00 (Core/Invention); G01N21/03 G01N30/00 G01N35/00 G01N35/02 (Core/Non-invention)

International (IPC 1-7): B01L7/00 B01L9/00 C07H21/00 C07H21/04 C12M1/34 C12M1/38 C12M1/40 C12N15/09 C12P19/34 C12Q1/68

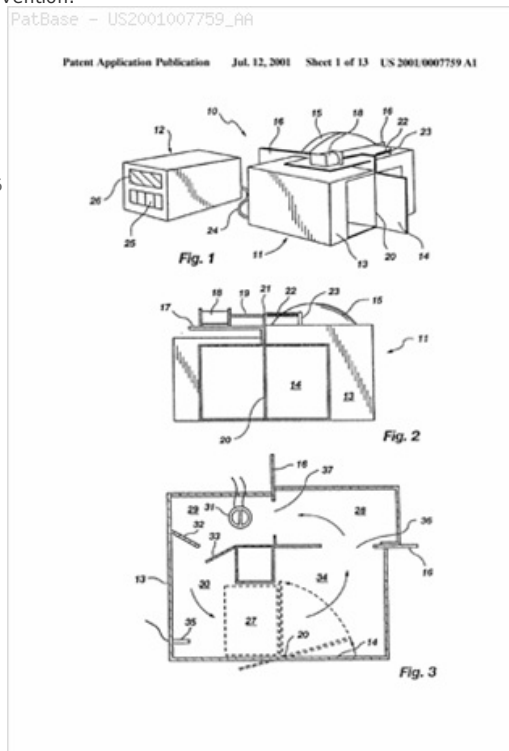
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European: B01L3/00C6D B01L3/14 B01L3/5025 B01L3/5082 B01L7/00D B01L7/52 B01L9/06C C12Q1/68B2B C12Q1/68B2F C12Q1/68D4 G01N21/25B2 G01N21/64H G01N21/64P2 G01N30/46A4 L01L200/14C6 L01L300/06B6 L01L300/08A L01L300/08C4 L01L300/18A8 L01L300/18C2 L01L300/18E4 L01L300/18G L01L400/04F2 L01L400/04F4 L01L400/06M4 S01N21/03A S01N21/07 S01N21/64G S01N21/64H S01N21/64P10 S01N30/02 S01N30/02A4 S01N30/06 S01N30/300 S01N30/46E S01N35/00D5 S01N35/02C

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Family:

Publication number	Publication date	Application number	Application date
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US20070926775	20071029	US20070931178	20071031	US20120465364	20120507

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