

1) Family number: 69573004 (US2019183358A)

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Title: INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND PROGRAM

Abstract: There is provided an information processing apparatus, an information processing method, and a program capable of obtaining accurate blood flow information while suppressing power consumption. The information processing apparatus includes: an estimation unit configured to estimate another kind of blood flow information associated with one kind of blood flow information from the one kind of blood flow information obtained through blood flow measurement on the basis of relation information indicating a relation between the two different kinds of blood flow information.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/0245 A61B5/026

A61B5/1455 (Advanced/Invention)

CPC: A61B5/0261 A61B5/1455 A61B5/681 A61B5/7203 A61B5/7264

A61B2560/0209 A61B5/0245 A61B5/026

US: 1/1

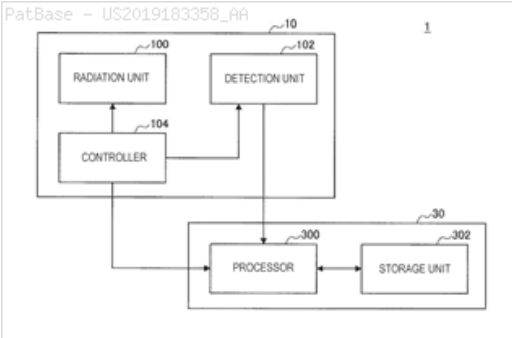
JP F-Term: 4C017 4C017/AA10 4C017/AA11 4C017/AC26 4C017/BB02

4C017/BB05 4C017/BC07 4C017/BC11 4C017/BC16 4C017/BC30

4C017/DD14 4C017/FF05 4C017/FF19

JP F-Index: A61B5/02/712 A61B5/02/800/D A61B5/0245/200

A61B5/026/120



Family:

Publication number	Publication date	Application number	Application date
CN109788920 A	20190521	CN201780058671	20170728
EP3533391 A1	20190904	EP20170865523	20170728
EP3533391 A4	20191106	EP20170865523	20170728
JP2018068428 A2	20180510	JP20160208781	20161025
US2019183358 AA	20190620	US20170330157	20170728
WO18078983 A1	20180503	WO2017JP27352	20170728

Priority:

JP20160208781 20161025 WO2017JP27352 20170728

Probable Assignee: SONY CORP

Assignee(s): (std): SONY CORP

Inventor(s): (std): WAKITA YOSHIHIRO ; MIYASHITA KEN ; OKUBO ATSUSHI ; KAWAMOTO YOHEI ; WAKITA NORIHIRO ; MIYASHITA TAKESHI

Agent(s): MFG PATENTANWALTE MEYER WILDHAGEN MEGGLE FREUND GERHARD PARTG MBB; KAMEYA YOSHIKI; KANEMOTO TETSUO; HAGIWARA YASUSHI; KAMEYA YOSHIKI 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 JO KE KG KH KM KN KP KR KW 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

2) Family number: 65323130 (US2019056315A)

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Title: SPECTRAL BLENDER

Abstract: A compact spectrometer system comprising a light source and a spectrometer module and methods of using a spectrometer to determine information related to a property of a mixture are provided. One or more light sources are used to direct light into a mixture. One or more spectrometer modules are used to receive light from a mixture. One or more spectra are measured in response to the received light. A property of the mixture is determined in response to measured spectra.

Classifications:

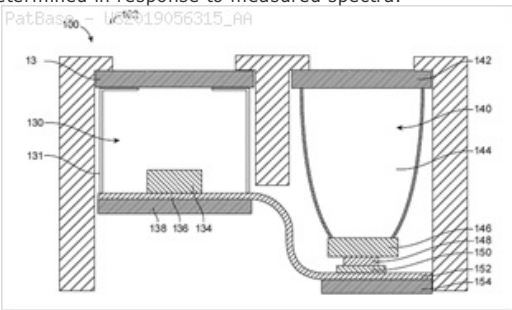
International (IPC 8-9): B01F15/00 G01J3/02 G01J3/28

G01N21/31 (Advanced/Invention)

CPC: G01N21/3151 G01J2003/2866 B01F15/00207 G01J3/0208

G01J3/0291 G01J3/2803 G01J2003/2806

US: 1/1 356/409



Family:

Publication number	Publication date	Application number	Application date
US2019056315 AA	20190221	US20180917439	20180309
WO17051424 A1	20170330	WO20161L51059	20160925

Priority:

US20150233057P 20150925 US20150240376P 20151012 WO20161L51059 20160925
US20180917439 20180309

Probable Assignee: VERIFOOD LTD

Assignee(s): (std): VERIFOOD LTD

Inventor(s): (std): WILK MOR ; GOLDRING DAMIAN ; BAKISH IDAN ; BUSKILA OREN ; ZLATKIN ELI ; KINROT URI ; OSTER ELYAQIM OSTER ; CARMi ASSAF ; ROSEN SAGEE ; NUNEZ WEISSMAN LIRON ; KEILAF OMER ; WEISSMAN LIRON NUNEZ

Agent(s): LEVY NAFTALI

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 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: 62660136 (US2017341183A)

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Title: CONTROL SYSTEMS FOR THREE-DIMENSIONAL PRINTING

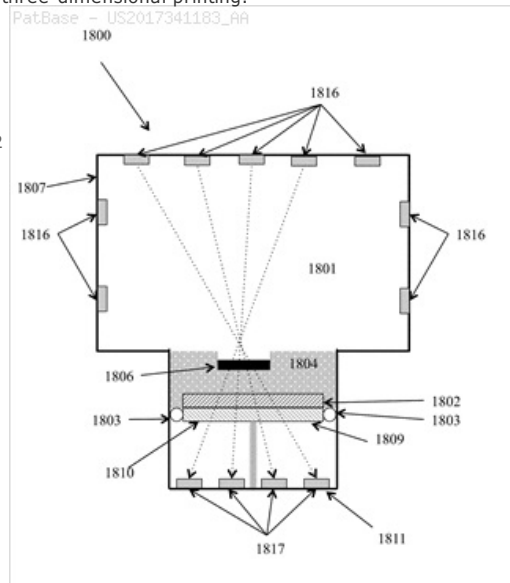
Abstract: Provided herein are systems, apparatuses and methods for monitoring a three-dimensional printing process. The three-dimensional printing process can be monitored in-situ and/or in real time. Monitoring of the three-dimensional printing process can be non-invasive. A computer control system can be coupled to one or more detectors and signal processing units to adjust the generation of a three-dimensional object that is formed by the three-dimensional printing.

Classifications:

International (IPC 8-9): B22F3/105 B23K26/03 B23K26/08 B23K26/342 B23K26/36 B29C64/268 B29C64/393 B33Y30/00 B33Y40/00 B33Y50/02 G01B11/30 (Advanced/Invention); B33Y50/00 (Advanced/Non-invention)

CPC: B22F3/1055 B22F2003/1056 B22F2003/1057 B22F2202/11 B22F2999/00 B29C64/153 B29C64/393 B33Y30/00 B33Y40/00 B33Y50/02 Y02P10/295 B23K26/032 B23K26/0876 B23K26/342 B23K26/36 B29C64/268 B33Y50/00 G01B11/30

US: 1/1 425/225 425/78

**Family:**

Publication number	Publication date	Application number	Application date
EP3229996 A1	20171018	EP20150866668	20151211
EP3229996 A4	20180905	EP20150866668	20151211
US2017341183 AA	20171130	US20150615029	20151211
US2017355146 AA	20171214	US20170614979	20170606
US2017355147 AA	20171214	US20170615004	20170606
WO16094827 A1	20160616	WO2015US65297	20151211

Priority:

US20140091438P 20141212 US20150615029 20151211 WO2015US65297 20151211
US20170614979 20170606 US20170615004 20170606

Probable Assignee: VELO3D INC

Assignee(s): (std): VELO3D INC

Inventor(s): (std): MILSHEIN EREL ; BULLER BENYAMIN ; MENDELSBERG RUEBEN

Agent(s): D YOUNG AND CO LLP; ALEMOZAFAR ALI 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: SYSTEM, DEVICE AND METHOD OF RUNNING GAME BASED ON SPECTROMETER DATA

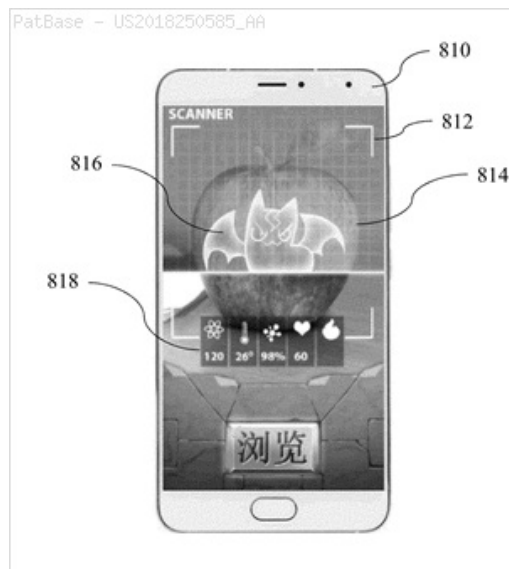
Abstract: A device running a game based on spectrometer data comprises a spectrometer configured to detect the spectrometer data of a real-life object, the spectrometer data indicating one or more features of the real-life object, and one or more processors configured to receive the spectrometer data of a real-life object from a spectrometer, determine a game object based on the spectrometer data, wherein the game object has one or more attributes corresponding to the one or more features of the real-life object, and perform one or more actions on the game object based on the one or more attributes of the game object. Spectrometer data of real-life objects can be generated to create game objects and modify game attributes of the game objects, which can bring more fun into gaming, and stimulate the game player's interest and curiosity in exploring the characteristic associated with various objects in real world.

Classifications:

International (IPC 8-9): A63F13/213 A63F13/217 A63F13/90
G01J3/02 (Advanced/Invention)

CPC: A63F13/213 G01J3/0272 A63F13/90 A63F13/217 G01J3/0264
A63F13/42 A63F13/65

US: 1/1 463/31



Family:

Publication number	Publication date	Application number	Application date
US2018250585 AA	20180906	US20170858340	20171229

Priority:

US20160440697P 20161230 US20170858340 20171229

Probable Assignee: VERIFOOD LTD

Assignee(s): (std): VERIFOOD LTD

Inventor(s): (std): WEISSMAN LIRON NUNEZ ; BERTELE YANIV ; SPIRA GUY ; BRODETZKI GUY ; HESHES HAGAI

Title: PERCUTANEOUS PENETRATION ENHANCING APPARATUS AND PERCUTANEOUS PENETRATION ENHANCING METHOD

Abstract: A percutaneous penetration enhancing apparatus includes a sheet member capable of being placed on a skin; a plurality of skin condition sensors arranged on the sheet member, each of the plurality of skin condition sensors detecting information related to a condition of the skin; and a plurality of percutaneous penetration enhancing elements arranged on the sheet member, each of the plurality of percutaneous penetration enhancing elements being operated on the basis of the information detected by one or more of the plurality of skin condition sensors.

Classifications:

International (IPC 8-9): A45D44/22 A61B5/00 A61K8/02 A61M35/00
A61N1/00 A61N1/04 A61N1/20 A61N1/30 A61N1/32

A61N5/06 (Advanced/Invention);

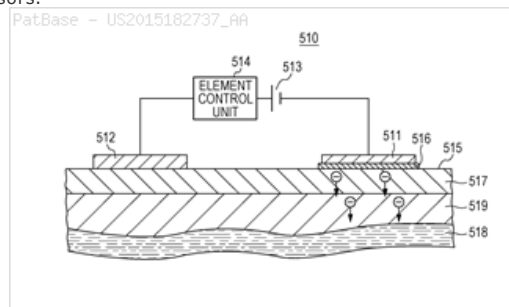
A45D44/00 (Advanced/Non-invention)

CPC: A45D2044/007 A61N1/0412 A61N1/0476 A61N1/205 A61N1/303
A61N1/325 A61N1/327 A61N1/328 A61K8/0204 A61K2800/83
A61N5/0616

US: 1/1 604/20 604/290 604/304 604/305

JP F-Term: 4C053 4C053/HH02

JP F-Index: A61N1/30



Family:

Publication number	Publication date	Application number	Application date
CN104740760 A	20150701	CN201410773290	20141212
CN104740760 B	20190412	CN201410773290	20141212
EP2889053 A1	20150701	EP20140196759	20141208
EP2889053 B1	20200226	EP20140196759	20141208

JP2015142718 A2	20150806	JP20140207298	20141008
JP6561299 B2	20190821	JP20140207298	20141008
US2015182737 AA	20150702	US20140561988	20141205
US9504825 BB	20161129	US20140561988	20141205

Priority:

JP20130272318 20131227 JP20140207298 20141008

Probable Assignee: PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO LTD

Assignee(s): (std): PANASONIC IP MAN CO LTD ; PANASONIC IP MAN CORP

Assignee(s): PANASONIC IP MANAGEMENT CORP ; PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO LTD ; PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO

Inventor(s): (std): AJIKI KAORI ; MINOWA TOSHIMITSU ; MINOWA TOSHIMITSA

Agent(s): GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GREENBLUM AND BERNSTEIN PLC

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

6) Family number: 59626330 (US2015182758A)

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Title: PHOTOTHERAPEUTIC DEVICE AND PHOTOTHERAPEUTIC METHOD

Abstract: A phototherapeutic device includes a sheet member that is attachable to a skin; a skin-condition sensor that is disposed in the sheet member and that detects information related to a condition of the skin; and a light-emitting device unit that is disposed in the sheet member, the light-emitting device unit operating on the basis of the information detected by the skin-condition sensor. The light-emitting device unit includes a plurality of light-emitting devices that emit light having different wavelengths.

Classifications:

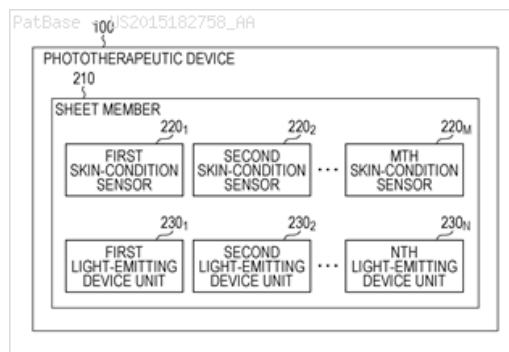
International (IPC 8-9): A61B18/00 A61B5/00 A61B5/01 A61B5/026 A61N5/06 (Advanced/Invention)

CPC: A61N5/0616 A61N2005/0626 A61N2005/0647 A61N2005/0652 A61N2005/0663 A61B2018/00791 A61B2018/00863 A61N2005/0659

US: 607/88

JP F-Term: 4C082 4C082/PA01 4C082/PA02 4C082/PC10 4C082/PE05 4C082/PE10 4C082/PG15 4C082/PG16 4C082/PJ11 4C082/PJ21

JP F-Index: A61N5/06/A A61N5/06/Z



Family:

Publication number	Publication date	Application number	Application date
CN104740785 A	20150701	CN201410770535	20141212
CN104740785 B	20180608	CN201410770535	20141212
DE602014015640 D1	20171123	DE201460015640T	20141202
EP2889054 A1	20150701	EP20140195822	20141202
EP2889054 B1	20171011	EP20140195822	20141202
JP2015142717 A2	20150806	JP20140207294	20141008
US2015182758 AA	20150702	US20140563045	20141208
US9555261 BB	20170131	US20140563045	20141208

Priority:

JP20130272326 20131227 JP20140207294 20141008 EP20140195822 20141202

Probable Assignee: PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO LTD

Assignee(s): (std): PANASONIC IP MAN CO LTD ; PANASONIC IP MAN CORP

Assignee(s): PANASONIC IP MANAGEMENT CORP ; PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO LTD ; PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO

Inventor(s): (std): AJIKI KAORI

Inventor(s): AJIKI KAORI OSAKA SHI

Agent(s): GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GREENBLUM AND BERNSTEIN PLC

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

7) Family number: 58452333 (US2015233762A)

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Title: SPECTROMETRY SYSTEM WITH ILLUMINATOR

Abstract: A spectrometer comprises a plurality of isolated optical channels comprising a plurality of isolated optical paths. The isolated optical paths decrease cross-talk among the optical paths and allow the spectrometer to have a decreased length with increased resolution. In many embodiments, the isolated optical paths comprise isolated parallel optical paths that allow the length of the device to be decreased substantially. In many embodiments, each isolated optical path extends from a filter of a

filter array, through a lens of a lens array, through a channel of a support array, to a region of a sensor array. Each region of the sensor array comprises a plurality of sensor elements in which a location of the sensor element corresponds to the wavelength of light received based on an angle of light received at the location, the focal length of the lens and the central wavelength of the filter.

Classifications:

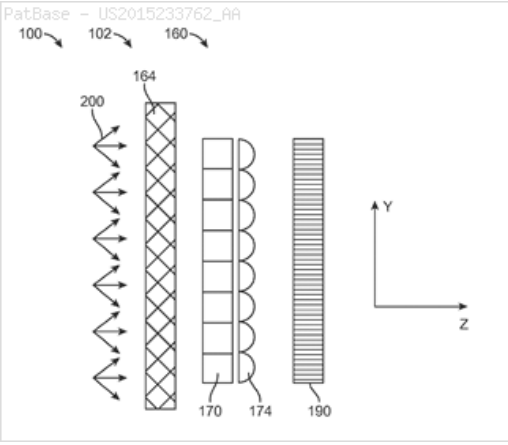
International (IPC 8-9): G01J3/00 G01J3/02 G01J3/10 G01J3/12 G01J3/26 G01J3/28 G01J3/36 G01J3/45 G01J3/51 G01J5/02 G01J5/10 G01N21/25 G01N21/27 G01N21/31 G01N21/35 G01N21/3563 G01N21/359 G01N21/64 G01N21/65 G01N33/02 G08C17/02 H01J H04M1/725 (Advanced/Invention); G01J3/12 G01N21/25 G06F3/0482 H04L29/08 (Advanced/Non-invention); H01J (Subclass/Invention)

CPC: G01J3/12 G01J3/0259 G01J3/28 G01J3/36 G01J5/0265 G01J2003/123 G01J2003/1239 G01J3/0229 G01N21/255 G01J3/2803 G01J3/0208 G01J3/0262 G01J2003/1226 G01N2201/0221 G01J3/26 G01J5/0215 G08C17/02 H04M1/7253 H04M1/72525 G06F3/0482 G01J3/0264 G01J3/0272 G01J3/0291 G01N21/31 H04L67/12 G01J3/108 G01J3/45 G01N33/02 G01J3/0205 G01J3/0216 G01J3/0256 G01J3/0275 G01J3/10 G01J5/10

US: 1/1 250/339.02 356/326 356/402 356/451 356/51

JP F-Term: 2G020 2G020/AA03 2G020/AA04 2G020/AA05 2G020/CA01 2G020/CA02 2G020/CA04 2G020/CB06 2G020/CB36 2G020/CB43 2G020/CB54 2G020/CC23 2G020/CC28 2G020/CC63 2G020/CD06 2G043 2G043/AA01 2G043/AA03 2G043/AA04 2G043/BA14 2G043/BA16 2G043/CA01 2G043/CA03 2G043/CA05 2G043/EA01 2G043/EA03 2G043/EA13 2G043/EA14 2G043/FA06 2G043/HA01 2G043/JA02 2G043/KA01 2G043/KA02 2G043/KA03 2G043/KA09 2G043/LA03 2G043/NA01 2G043/NA02 2G043/NA06 2G043/NA13 2G059 2G059/AA01 2G059/AA05 2G059/AA06 2G059/BB01 2G059/BB05 2G059/BB11 2G059/BB12 2G059/BB13 2G059/CC03 2G059/CC09 2G059/CC12 2G059/CC13 2G059/CC15 2G059/CC16 2G059/CC18 2G059/EE01 2G059/EE02 2G059/EE03 2G059/EE07 2G059/EE12 2G059/GG01 2G059/GG02 2G059/GG03 2G059/GG06 2G059/HH01 2G059/HH02 2G059/HH03 2G059/HH06 2G059/JJ02 2G059/JJ11 2G059/JJ26 2G059/KK04 2G059/LL01 2G059/MM01 2G059/MM02 2G059/MM10 2G059/MM14 2G059/PP04 2G059/PP06

JP F-Index: G01J3/26 G01J3/36/ZAB G01N21/27/F G01N21/27/Z G01N21/3563 G01N21/359 G01N21/64/Z G01N21/65



Family:

Publication number	Publication date	Application number	Application date
CN105593651 A	20160518	CN201480048793	20140730
CN105593651 B	20190607	CN201480048793	20140730
CN106461461 A	20170222	CN201580010522	20150101
EP3028020 A2	20160608	EP20140831451	20140730
EP3028020 A4	20170308	EP20140831451	20140730
EP3090239 A2	20161109	EP20150733267	20150101
EP3090239 A4	20180110	EP20150733267	20150101
GB201514504 A0	20150930	GB20150014504	20140730
GB201616643 A0	20161116	GB20160016643	20140730
GB2529070 A1	20160210	GB20150014504	20140730
GB2529070 B2	20170712	GB20150014504	20140730
GB2543655 A1	20170426	GB20160016643	20140730
GB2543655 B2	20171101	GB20160016643	20140730
IL243881 A0	20160731	IL20160243881	20160131
IL246597 A0	20161229	IL20160246597	20160703
JP2016528496 A2	20160915	JP20160530668	20140730
JP2016528496 T2	20160915	JP20160530668T	20140730
JP2017505901 T2	20170223	JP20160544473T	20150101
US2015233762 AA	20150820	US20150702470	20150501
US2015292948 AA	20151015	US20150702422	20150501
US2015300879 AA	20151022	US20150702461	20150501
US2015355024 AA	20151210	US20150702342	20150501
US2016238449 AA	20160818	US20160052286	20160224
US2016299061 AA	20161013	US20160183114	20160615
US2017160131 AA	20170608	US20160379292	20161214
US2017234729 AA	20170817	US20160385778	20161220
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US2018180481 AA	20180628	US20180905578	20180226
US2019033130 AA	20190131	US20180150727	20181003
US2019033132 AA	20190131	US20180151103	20181003
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US9354117 BB	20160531	US20150702422	20150501
US9383258 BB	20160705	US20150702470	20150501
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US9464935 BB	20161011	US20150702461	20150501
US9500523 BB	20161122	US20150702461	20150501
US9562848 BB	20170207	US20160183114	20160615
US9574942 BB	20170221	US20160052286	20160224
US9933305 BB	20180403	US20160379292	20161214
US9952098 BB	20180424	US20160385778	20161220
WO15015493 A2	20150205	WO2014IL50688	20140730
WO15015493 A3	20150326	WO2014IL50688	20140730
WO15101992 A2	20150709	WO2015IL50002	20150101
WO15101992 A3	20150903	WO2015IL50002	20150101

Priority:

WO2015IL50002	20120101	US20130861893P	20130802	US20140923422P	20140103
US20140985447P	20140428	GB20150014504	20140730	WO2014IL50688	20140730
WO2014IL05688	20140730	WO2015IL50002	20150101	US20150702422	20150501
US20150702342	20150501	US20150702470	20150501	US20150702461	20150501
US20160052286	20160224	US20160183114	20160615	US20160379292	20161214
US20160385778	20161220	US20180901627	20180221	US20180905578	20180226
US20180150727	20181003	US20180151103	20181003		

Probable Assignee: VERIFOOD LTD

Assignee(s): (std): VERIFOOD LTD ; ITTAI NIR ; MENAHEM KAPLAN ; URI KINROT ; GUY BRODETZKI ; SAGEE ROSEN ; OMER KEILAF ; KAI ENGERLHARD ; AMIT RUF ; COHEN BAR ON DANA ; CONSUMER PHYSICS INC ; DAMIAN GOLDRING ; WEISBERG NITZAN ; WAISBERG NITZAN

Assignee(s): DROR SHARON ; VENTURE LENDING AND LEASING VII INC ; VENTURE LENDING AND LEASING VIII INC

Inventor(s): (std): WAISBERG NITZAN ; KAI ENGERLHARD ; BAR ON DANA COHEN ; DROR SHARON ; KAI ENGELHARDT ; URI KINROT ; SAGEE ROSEN ; AMIT RUF ; ITTAI NIR ; OMER KEILAF ; GUY BRODETZKI ; MENAHEM KAPLAN ; DAMIAN GOLDRING ; COHEN BAR ON DANA ; WEISBERG NITZAN ; GOLDRING DAMIAN ; BRODETZKI GUY ; NIR ITTAI ; RUF AMIT ; KAPLAN MENAHEM ; KEILAF OMER ; SHARON DROR ; KINROT URI ; ENGELHARDT KAI ; ROSEN SAGEE

Agent(s): ANDERSON OLIVER BEN; WILSON SONSINI GOODRICH AND ROSATI; TOPPER JONATHAN 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

8) Family number: 69564409 (US2018120155A)

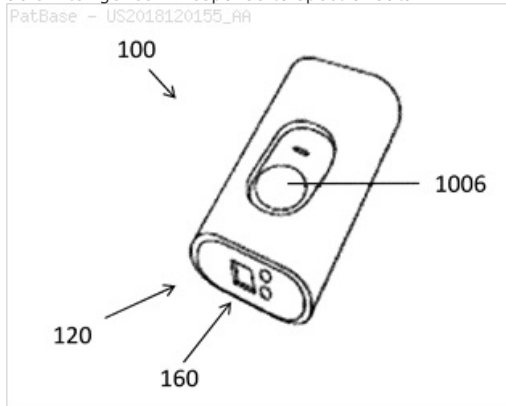
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Title: SPECTROMETRY SYSTEMS, METHODS, AND APPLICATIONS

Abstract: A hand held spectrometer is used to illuminate the object and measure the one or more spectra. The spectral data of the object can be used to determine one or more attributes of the object. In many embodiments, the spectrometer is coupled to a database of spectral information that can be used to determine the attributes of the object. The spectrometer system may comprise a hand held communication device coupled to a spectrometer, in which the user can input and receive data related to the measured object with the hand held communication device. The embodiments disclosed herein allow many users to share object data with many people, in order to provide many people with actionable intelligence in response to spectral data.

Classifications:

International (IPC 8-9): G01J3/02 G01J3/28 G01J3/36 G01N21/01 G01N21/25 (Advanced/Invention)
CPC: G01J3/0202 G01J3/0205 G01J3/0208 G01J3/0216 G01J3/0256 G01J3/0264 G01J3/0272 G01J3/0286 G01J3/0291 G01J3/2803 G01J3/36 G01J2003/104 G01J2003/2806 G01N21/33 G01N21/35 G01N21/65 G01N2021/0118 G01N2021/6417 G01N2201/0221 G01N2201/0627 G01N2201/0634 G01N2201/0691 G01N21/01 G01N21/255
US: 1/1 356/326



Family:

Publication number	Publication date	Application number	Application date
US2018120155 AA	20180503	US20170796290	20171027

Priority:

US20160413458P 20161027 US20170796290 20171027

Probable Assignee: VERIFOOD LTD

Assignee(s): (std): VERIFOOD LTD

Inventor(s): (std): KINROT URI ; BAKISH IDAN ; ROSEN SAGEE

9) Family number: 73093421 (US10194808B)

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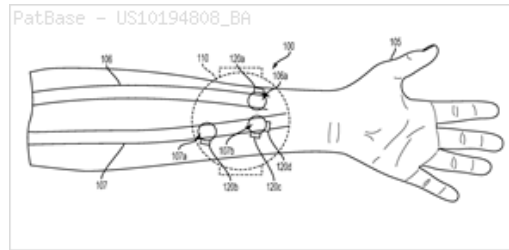
Title: CORRELATED HEMODYNAMIC MEASUREMENTS

Abstract: Wearable devices are described herein including at least two sensors configured to detect hemodynamic properties of a wearer. A first sensor is configured to detect a hemodynamic property of a portion of vasculature, where the operation of the first sensor is based on a hemodynamic property detected by a second sensor. A timing of operation, a value of one or more controlled operational parameters, a filter setting, or some other aspect of the operation of the first sensor could be controlled based on the hemodynamic property detected by the second sensor. Hemodynamic properties could include blood flow rate, volume, and/or pressure in one or more portions of vasculature, a timing, rate, delay, or other information about heartbeats, an oxygenation level of blood, a velocity of blood cells in blood, or some other information about a wearer's blood, heart, and/or cardiovascular system.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/02 A61B5/021 A61B5/024 A61B5/026 A61B5/0402 A61B5/145 A61B8/08 (Advanced/Invention)

CPC: A61B5/02028 A61B5/0059 A61B5/021 A61B5/024 A61B5/026
A61B5/02007 A61B5/0402 A61B5/14542 A61B5/6824 A61B5/7285
A61B5/0077 A61B5/0082 A61B5/02158 A61B5/02438 A61B5/02444
A61B5/0261 A61B5/0452 A61B5/14552 A61B5/681 A61B8/488



Family:

Publication number	Publication date	Application number	Application date
US10194808 BA	20190205	US20140583861	20141229

Priority:

US20140583861 20141229

Probable Assignee: VERILY LIFE SCIENCES LLC
Assignee(s): (std): VERILY LIFE SCIENCES LLC
Assignee(s): GOOGLE INC ; GOOGLE LIFE SCIENCES LLC
Inventor(s): (std): THOMPSON JASON DONALD ; HOMYK ANDREW
Agent(s): MCDONNELL BOEHNEN HULBERT AND BERGHOFF LLP

10) Family number: 70342442 (US2018184972A)

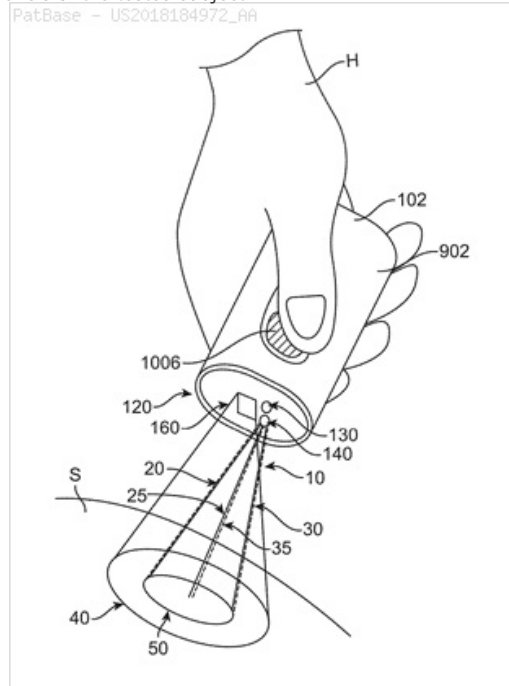
© PatBase

Title: SPECTROMETRY SYSTEM APPLICATIONS

Abstract: A system for analyzing body fat level in human body comprising: a spectrometer, for example a handheld spectrometer, configured to generate spectral data from one or more locations on the body of a tested subject and a processor configured to receive the spectral data using models and output body fat levels of the tested subject.

Classifications:

International (IPC 8-9): A61B5/00 G01J3/02 (Advanced/Invention)
CPC: A61B5/4872 A61B5/0071 A61B5/1455 A61B5/0075 G01J3/0297
A61B5/725 A61B5/7257 G01J3/0205 G01J3/0208 G01J3/021 G01J3/0256
G01J3/027 G01J3/2803 G01J2003/102
US: 1/1 600/476



Family:

Publication number	Publication date	Application number	Application date
US2018184972 AA	20180705	US20170713198	20170922

Priority:

US20160398113P 20160922 US20160406387P 20161010 US20170713198 20170922

Probable Assignee: VERIFOOD LTD
Assignee(s): (std): VERIFOOD LTD
Inventor(s): (std): LEOPOLD EFRAT ; GOLDRING DAMIAN ; CARMİ ASSAF

11) Family number: 75672450 (WO19162459A1)

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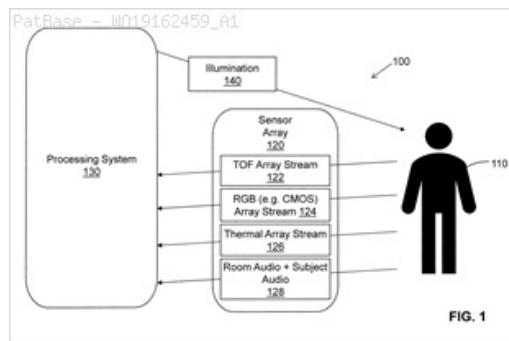
Title: MONITORING OF PHYSIOLOGICAL PARAMETERS

Abstract: Physiological monitoring apparatuses (100) and methods are disclosed. A physiological monitor includes imaging sensors (120, 122, 124, 126), one of which is a time-of-flight imaging sensor (122). The physiological monitor (100) also includes a processing device (130) to receive data streams from the imaging sensors (120, 122, 124, 126). The processing device (130) may then extract time parameter data from the data streams, identify a physiological parameter from the extracted parameter data, and provide an indication of the physiological parameter.

Classifications:

International (IPC 8-9): G06T7/00 (Advanced/Invention)

CPC: G06T7/0012 G06T2207/10024 G06T2207/10028 G06T2207/10048 G06T2207/30048



Family:

Publication number	Publication date	Application number	Application date
WO19162459 A1	20190829	WO2019EP54477	20190222

Priority:

US20180634684P 20180223

Probable Assignee: ALUNOS AG

Assignee(s): (std): ALUNOS AG

Inventor(s): (std): CARRARA RETO ; MACNEISH WILLIAM JACK

Agent(s): RUTZ ANDREA

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

12) Family number: 66149469 (US2017173262A)

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Title: MEDICAL SYSTEMS, DEVICES AND METHODS

Abstract: There is disclosed a medical system comprising one or more sensors associated with one or more actuators. Various embodiments describe sensors and/or actuators, logic circuits, user interfaces, association schemes, communication schemes, security schemes, cryptographic schemes, medical management rules, social mechanisms, energy management schemes, time and/or space schemes, body analytes and/or biomarkers, blood glucose and/or interstitial glucose sensors, drug delivery devices, continuous glucose monitoring devices, as well as flash glucose monitoring devices. Methods, software and other hardware aspects are described.

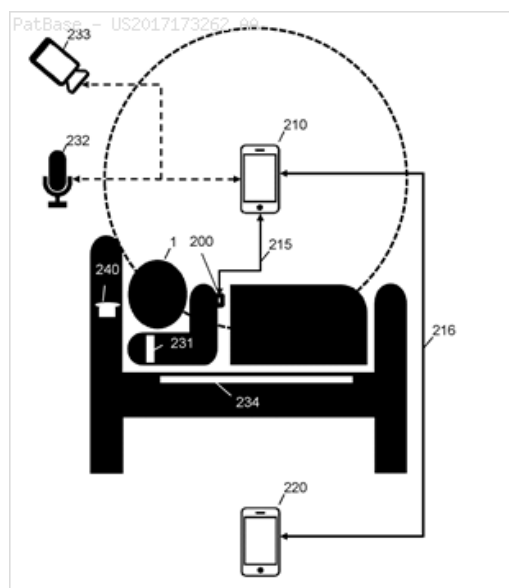
Classifications:

International (IPC 8-9): A61B5/00 A61B5/145

A61M5/172 (Advanced/Invention)

CPC: A61M5/1723 A61B5/14532 A61B5/1451 A61B5/0004 A61B5/4839 A61M2230/201 A61M2205/3592 A61M2205/80 A61M2205/505 A61M5/14 G06F21/6245 A61B5/0022 A61B5/746 A61B2503/06 Y02A90/22 Y02A90/26 G16H20/17 G16H20/60 G16H40/63 G16H50/20 G16H50/70

US: 1/1 604/66



Family:

Publication number	Publication date	Application number	Application date
US2017173262 AA	20170622	US20170446015	20170301

Priority:

Probable Assignee: VELTZ FRANCOIS PAUL
Assignee(s): (std): VELTZ FRANCOIS PAUL
Inventor(s): (std): VELTZ FRANCOIS PAUL

13) Family number: 67172503 (US2017292908A)

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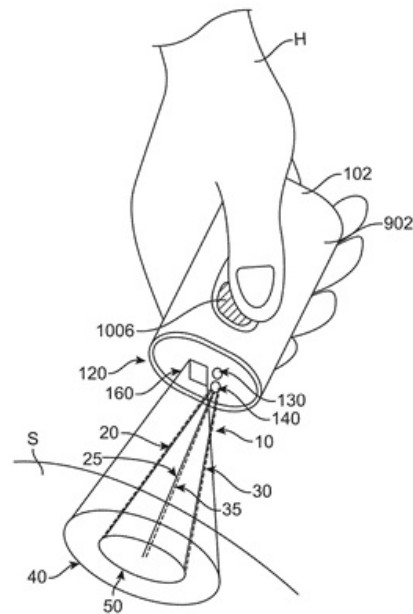
Title: SPECTROMETRY SYSTEM APPLICATIONS

Abstract: A spectrometer system may be used to determine one or more spectra of an object, and the one or more spectra may be associated with one or more attributes of the object that are relevant to the user. While the spectrometer system can take many forms, in many instances the system comprises a spectrometer and a processing device in communication with the spectrometer and with a remote server, wherein the spectrometer is physically integrated with an apparatus. The apparatus may have a function different than that of the spectrometer, such as a consumer appliance or device.

Classifications:

International (IPC 8-9): G01J3/02 G01J3/28 G01N21/25
 G01N33/02 (Advanced/Invention)
CPC: G01N33/025 G01J3/0272 G01N21/359 G01N21/474 G01N2021/0118
 G01N2201/0221 G01N2201/0627 G01J3/0205 G01J3/0208 G01J3/0216
 G01J3/0256 G01J3/027 G01J3/0289 G01J3/0291 G01J3/10 G01J3/28
 G01J3/2803 G01J5/0846 G01J5/10 G01J2003/1217 G01J2003/2806
 G01J3/0264
US: 1/1 356/326

PatBase - US2017292908_AA

**Family:**

Publication number	Publication date	Application number	Application date
US2017292908 AA	20171012	US20170482546	20170407
US10254215 BB	20190409	US20170482546	20170407

Priority:

US20160319567P 20160407 US20170482546 20170407

Probable Assignee: VERIFOOD LTD
Assignee(s): (std): VERIFOOD LTD
Inventor(s): (std): CARMI ASSAF ; WILK MOR
Agent(s): WILSON SONSINI GOODRICH AND ROSATI

14) Family number: 65580535 (US2019006047A)

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Title: SYSTEMS AND METHODS FOR DATA CAPTURE IN AN OPERATING ROOM

Abstract: The data from several sensors can be measured to provide improved measurement of surgical workflow. The data may comprise times at which needles are removed from suture packs and placed in receptacles. The surgical workflow data may comprise data from several instruments such as removal and placement time of surgical instruments and electrocautery devices. The data from several sensors can indicate vital statistics of a patient or environmental conditions of an operating room. The data from several sensors can indicate the presence, absence, arrival, or departure of one or more actors in a surgical workflow. The data from several sensors can be registered with a common time base and a report generated. The report can indicate a performance of individuals and groups of participants in a surgical workflow.

Classifications:

International (IPC 8-9): A61B17/00 A61B17/03 A61B17/04 A61B17/06
 A61B18/12 A61B18/20 A61B19/00 A61B90/00 A61B90/90 A61B90/96
 A61B90/98 G06K9/00 G06K9/62 G16H40/20
 G16H40/63 (Advanced/Invention)
CPC: A61B17/04 A61B17/06 A61B17/06133 A61B17/06161 A61B46/00
 A61B50/15 A61B50/20 A61B90/53 A61B90/92 A61B90/96 A61B90/98
 A61B2050/155 A61B2050/301 A61B2090/0803 A61B2090/0805
 G16H40/63 A61B90/90 A61B2090/0807 G06K9/00355 G06K9/6288

Inventor(s): (std): XIE CHENG GANG ; JOLIVET GUILLAUME
Agent(s): SNEDDON CAMERON R
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

16) Family number: 68082551 (US2019209027A)

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Title: INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND PROGRAM

Abstract: There is provided an information processing apparatus which is capable of encouraging behaviors that have an effect appropriate for the body of a measured person in accordance with the physical condition of the measured person. The information processing apparatus includes: a comparing section configured to perform a comparison using a blood flow velocity of a measured person in a predetermined state and a blood flow velocity of the measured person in a state other than the predetermined state; and an information presenting section configured to present information corresponding to a comparison result of the comparing section.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/024 A61B5/026 A61B5/0295

A61B5/107 A61B5/11 (Advanced/Invention)

CPC: A61B5/107 A61B5/11 A61B5/02416 A61B5/0261 A61B5/1123

A61B5/6822 A61B5/6824 A61B5/6829 A61B5/6844 A61B5/721

A61B5/7214 A61B5/7221 A61B5/7405 A61B5/6802 A61B5/0295

A61B5/026 A61B5/1116 A61B5/742 A61B5/7455

JP F-Term: 4C017 4C017/AA10 4C017/AA11 4C017/AB02 4C017/AB03

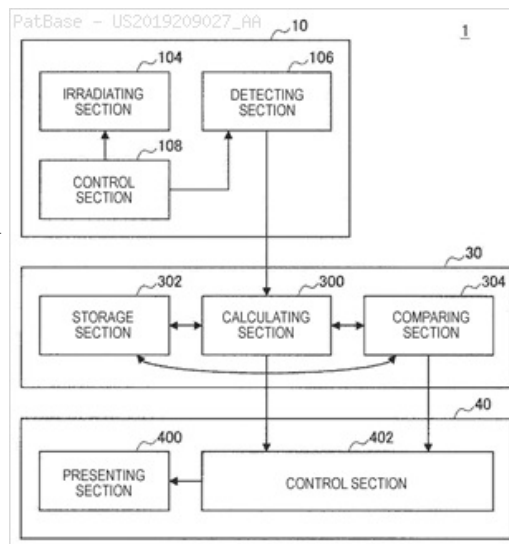
4C017/AB06 4C017/AB10 4C017/AC26 4C017/BC11 4C017/BC23

4C017/BD01 4C017/BD04 4C017/CC01 4C017/CC02 4C017/CC03

4C017/CC06 4C017/CC08 4C017/DD14 4C038 4C038/VA04 4C038/VB01

4C038/VC05 4C038/VC20

JP F-Index: A61B5/026/120 A61B5/107/300



Family:

Publication number	Publication date	Application number	Application date
CN109310352 A	20190205	CN201780035708	20170403
EP3479765 A1	20190508	EP20170819590	20170403
EP3479765 A4	20190703	EP20170819590	20170403
JP2018003221 A1	20190418	JP20180524899T	20170403
US2019209027 AA	20190711	US20170303277	20170403
WO18003221 A1	20180104	WO2017JP14000	20170403

Priority:

JP20160131505 20160701 WO2017JP14000 20170403

Probable Assignee: SONY CORP

Assignee(s): (std): SONY CORP

Inventor(s): (std): MIYASHITA KEN ; WAKITA YOSHIHIRO ; ALTINTAS ERSIN ; KAWAMOTO YOHEI

Agent(s): MFG PATENTANWALTE MEYER WILDHAGEN MEGGLE FREUND GERHARD PARTG MBB; KAMEYA YOSHIKI; SAKAI INT PATENT OFFICE; KAMEYA YOSHIKI 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 KH KM KN KP KR KW 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

17) Family number: 58126578 (US2014377877A)

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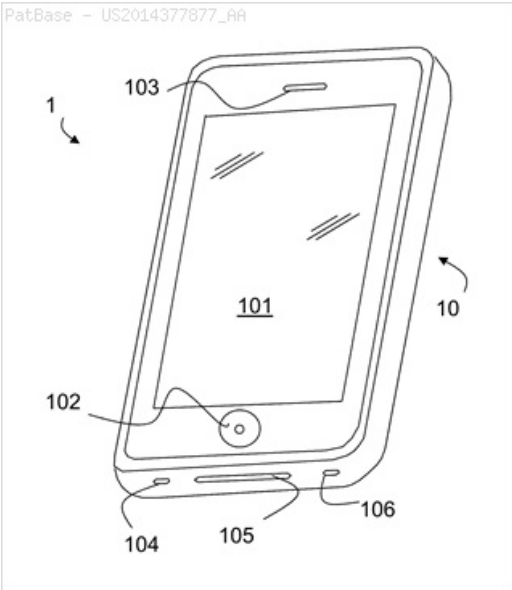
Title: CONCENTRATION MEASUREMENTS WITH A MOBILE DEVICE

Abstract: A portable electronic device comprises a chemical sensor that is sensitive to a concentration of a chemical analyte and at least two auxiliary sensors that are sensitive to parameters that are different from the concentration of the chemical analyte. The portable electronic device comprises a control device that receives signals from the chemical sensor and from the auxiliary sensors at a plurality of points in time distributed over a measurement period and correlates the time dependencies of these signals to obtain a corrected reading of the first chemical sensor. The portable electronic device may be employed for breath analysis.

Classifications:

International (IPC 8-9): G01N33/00 G01N33/497 (Advanced/Invention)

CPC: G01N33/4972 G01N2033/4975 G01N33/0059 Y10T436/182



Family:

Publication number	Publication date	Application number	Application date
CN104237456 A	20141224	CN201410276235	20140619
CN104237456 B	20171107	CN201410276235	20140619
DE602013015808 D1	20170216	DE201360015808T	20130621
EP2816352 A1	20141224	EP20130173231	20130621
EP2816352 B1	20161228	EP20130173231	20130621
US2014377877 AA	20141225	US20140311013	20140620
US10241107 BB	20190326	US20140311013	20140620

Priority:

EP20130173231 20130621

Probable Assignee: SENSIRION AG

Assignee(s): (std): SENSIRION AG

Inventor(s): (std): MAYER FELIX ; WEHRLI SAMUEL ; BUERGI LUKAS ; BURG LUKAS

Agent(s): DETKEN ANDREAS; FOLEY AND LARDNER LLP

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

18) Family number: 74985652 (WO19133125A1)

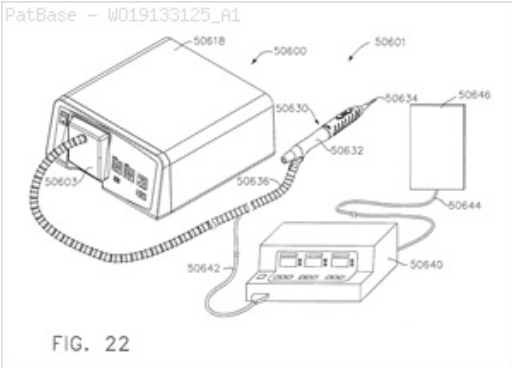
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Title: ADJUSTMENTS BASED ON AIRBORNE PARTICLE PROPERTIES

Abstract: A surgical system is disclosed. The surgical system can comprise a sensor configured to detect a property of airborne particles in a fluid within a patient's cavity. The surgical system can also include a surgical device and a control circuit configured to adjust a surgical function of the surgical device in response to an input signal indicative of the property of airborne particles in the fluid.

Classifications:

International (IPC 8-9): A61B18/12 (Advanced/Invention);
A61B18/00 A61B90/00 (Advanced/Non-invention)
CPC: A61B18/1206 A61B2090/081 A61B18/1445 A61B34/25 A61B34/30
A61B2018/00642 A61B2018/00666 A61B2018/00702 A61B2018/00994
A61B2034/252 A61B2034/254 A61B2034/256 A61B2090/064
A61B2218/008 A61B34/35 A61B2017/00022 A61B2017/00039
A61B2017/00199 A61B2017/00221 A61B2017/00389 A61B2018/00672
A61B2018/00678 A61B2018/1253 A61B2018/126 A61B2034/2057
A61B2034/302 A61B2090/373 A61B2218/002 A61B2562/0261 G01N15/06
G16H40/63



Family:

Publication number	Publication date	Application number	Application date
EP3505120 A1	20190703	EP20180275237	20181228
WO19133125 A1	20190704	WO2018US60951	20181114

Priority:

US20170611339P 20171228

US20170611340P 20171228

US20170611341P 20171228

US20180640415P 20180308 US20180640417P 20180308 US20180650887P 20180330
US20180650898P 20180330 US20180650882P 20180330 US20180650877P 20180330
US20180659900P 20180419 US20180692747P 20180630 US20180692748P 20180630
US20180692768P 20180630 US20180729183P 20180910 US20180182246 20181106
US20180182256 20181106

Probable Assignee: ETHICON LLC

Assignee(s): (std): ETHICON LLC

Inventor(s): (std): HARRIS JASON ; HARRIS JASON L ; SHELTON IV FREDERICK E ; SHELTON FREDERICK

Inventor(s): SHELTON FREDERICK E IV

Agent(s): BETTRIDGE PAUL SEBASTIAN; CAPRIOTTI ROBERTO 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 JO JP KE KG KH KM KN KP KR KW 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

19) Family number: 69018673 (US2018085003A)

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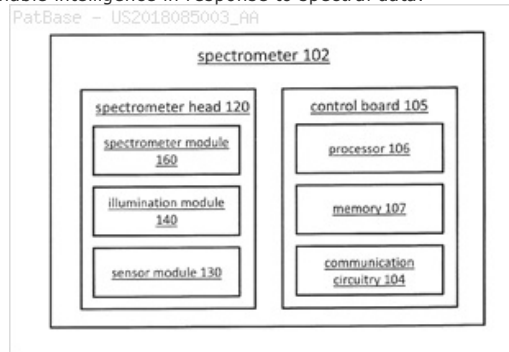
Title: SPECTROMETRY SYSTEMS, METHODS, AND APPLICATIONS

Abstract: A hand held spectrometer is used to illuminate the object and measure the one or more spectra. The spectral data of the object can be used to determine one or more attributes of the object. In many embodiments, the spectrometer is coupled to a database of spectral information that can be used to determine the attributes of the object. The spectrometer system may comprise a hand held communication device coupled to a spectrometer, in which the user can input and receive data related to the measured object with the hand held communication device. The embodiments disclosed herein allow many users to share object data with many people, in order to provide many people with actionable intelligence in response to spectral data.

Classifications:

International (ipc 8-9): A61B10/00 A61B5/00 A61B5/20 A61M25/00 G01N21/25 G01N21/27 G01N33/493 (Advanced/Invention)
CPC: A61B5/0075 A61B2576/00 G01N21/27 G01N33/493 A61B5/0084 A61B5/207 A61B5/6852 A61B5/7275 A61B5/7282 A61B5/746 A61B10/007 A61M25/0017 A61B5/0013 G01N2201/021 G01N2201/0636 A61B2562/0233 A61M2205/3306 G01N21/255 G01N21/31 G01N21/33 G01N21/65 G01N2021/6417 G01N2201/0627 G01N2201/0634 G01N2201/0691 A61B5/0022 A61M25/00 G16H20/13 G16H20/60 G16H40/63 G16H50/30

US: 1/1 600/477



Family:

Publication number	Publication date	Application number	Application date
US2018085003 AA	20180329	US20170660573	20170726

Priority:

US20160367111P 20160727 US20170660573 20170726

Probable Assignee: VERIFOOD LTD

Assignee(s): (std): VERIFOOD LTD

Assignee(s): BRIGHAM AND WOMEN S HOSPITAL INC

Inventor(s): (std): GOLDRING DAMIAN ; KAPLAN MENAHEM

20) Family number: 74985699 (US2019201127A)

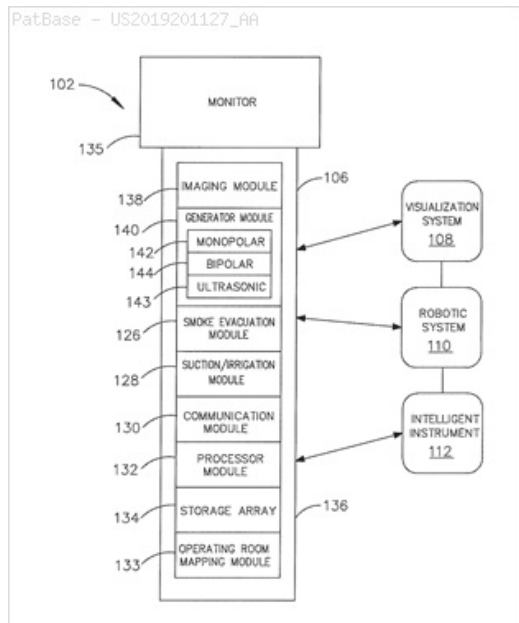
© PatBase

Title: ADJUSTMENT OF A SURGICAL DEVICE FUNCTION BASED ON SITUATIONAL AWARENESS

Abstract: Surgical devices and surgical systems are disclosed. The surgical device can comprise an actuator and a control circuit configured to adjust one or more functions of the surgical device based on a signal from a situationally-aware surgical hub. A surgical system can comprise a screen and a control circuit configured to communicate a priority level of a recommendation to the clinician on the display.

Classifications:

International (ipc 8-9): A61B18/14 A61B34/00 A61B34/35 G01N15/06 G16H40/63 (Advanced/Invention); A61B18/00 A61B34/00 A61B90/00 (Advanced/Non-invention)
CPC: A61B18/1206 A61B18/1445 A61B34/25 A61B34/30 A61B2018/00642 A61B2018/00666 A61B2018/00702 A61B2018/00994 A61B2034/252 A61B2034/254 A61B2034/256 A61B2090/064 A61B2090/081 A61B2218/008 A61B34/35 A61B2017/00022 A61B2017/00039 A61B2017/00199 A61B2017/00221 A61B2017/00389 A61B2018/00672 A61B2018/00678 A61B2018/1253 A61B2018/126 A61B2034/2057 A61B2034/302 A61B2090/373 A61B2218/002 A61B2562/0261 G01N15/06 G16H40/63



Family:

Publication number	Publication date	Application number	Application date
EP3505121 A2	20190703	EP20180275212	20181228
EP3505121 A3	20190731	EP20180275212	20181228
US2019201127 AA	20190704	US20180182256	20181106
US2019204201 AA	20190704	US20180182246	20181106
WO19133126 A1	20190704	WO2018US60953	20181114

Priority:

US20170611339P 20171228	US20170611340P 20171228	US20170611341P 20171228
US20180640415P 20180308	US20180640417P 20180308	US20180650898P 20180330
US20180650882P 20180330	US20180650887P 20180330	US20180650877P 20180330
US20180659900P 20180419	US20180692747P 20180630	US20180692748P 20180630
US20180692768P 20180630	US20180729183P 20180910	US20180182256 20181106
US20180182246 20181106		

Probable Assignee: ETHICON LLC

Assignee(s): (std): ETHICON LLC

Inventor(s): (std): HARRIS JASON L ; YATES DAVID C ; YATES DAVID ; HARRIS JASON ; SHELTON FREDERICK ; SHELTON IV FREDERICK E

Inventor(s): SHELTON FREDERICK E IV

Agent(s): BETTRIDGE PAUL SEBASTIAN; CAPRIOTTI ROBERTO 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 JO JP KE KG KH KM KN KP KR KW 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

21) Family number: 63122725 (US2018143073A)

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Title: SPECTROMETRY SYSTEM APPLICATIONS

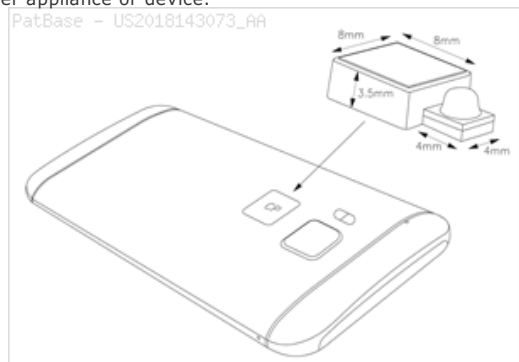
Abstract: A spectrometer system may be used to determine one or more spectra of an object, and the one or more spectra may be associated with one or more attributes of the object that are relevant to the user. While the spectrometer system can take many forms, in many instances the system comprises a spectrometer and a processing device in communication with the spectrometer and with a remote server, wherein the spectrometer is physically integrated with an apparatus. The apparatus may have a function different than that of the spectrometer, such as a consumer appliance or device.

Classifications:

International (IPC 8-9): G01J3/02 G01J3/10 G01J3/26 G01J3/28 G01J3/36 G01J3/42 G01J3/45 G01N21/31 G01N21/35 G01N21/3563 G01N21/359 (Advanced/Invention)

CPC: G01J3/0205 G01J3/0256 G01J3/0272 G01J3/0291 G01J3/10 G01J3/36 G01N21/31 G01N21/3563 G01N21/359 G01N2201/0221 G01N2201/0625 G01N2201/0627 G01J3/0289 G01J3/2803 G01J3/42 G01N2201/121

US: 1/1 356/402



Family:

Publication number	Publication date	Application number	Application date
US2018143073 AA	20180524	US20170667489	20170802
US2019310134 AA	20191010	US20190402445	20190503
US10330531 BB	20190625	US20170667489	20170802
WO16125164 A2	20160811	WO20161L50129	20160204
WO16125164 A3	20170112	WO20161L50129	20160204

Priority:

US20150112582P 20150205 US20150112597P 20150205 US20150190535P 20150709
WO20161L50129 20160204 US20170667489 20170802 US20190402445 20190503

Probable Assignee: VERIFOOD LTD

Assignee(s): (std): VERIFOOD LTD

Inventor(s): (std): BUSKILA OREN ; CARMi ASSAF ; BRODETSKY GUY ; KINROT URI ; SHARON DROR ; NIR ITTAI ; ROSEN SAGEE ; GOLDRING DAMIAN ; KEILAF OMER ; BRODETZKI GUY

Agent(s): WILSON SONSINI GOODRICH AND ROSATI; LEVY NAFTALI

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

22) Family number: 74998817 (US2019104919A)

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Title: METHOD FOR SITUATIONAL AWARENESS FOR SURGICAL NETWORK OR SURGICAL NETWORK CONNECTED DEVICE CAPABLE OF ADJUSTING FUNCTION BASED ON A SENSED SITUATION OR USAGE

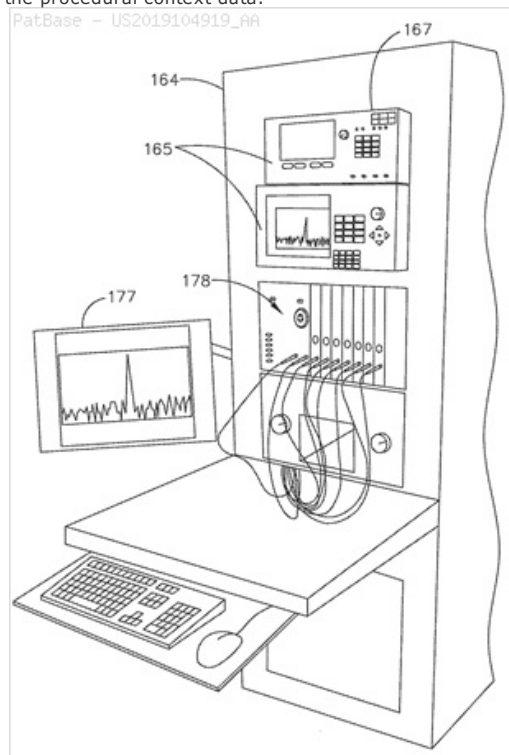
Abstract: A computer-implemented method for contextually controlling a surgical device is disclosed. The method includes receiving, by a computer system, perioperative data from the surgical device, the perioperative data associated with a surgical procedure; receiving, by the computer system, images from a scope, the images visualizing the surgical device during the surgical procedure; determining, by the computer system, an attribute of the surgical device from the images; determining, by the computer system, procedural context data based at least on the perioperative data and the attribute of the surgical device; and controlling, by the computer system, the surgical device according to the procedural context data.

Classifications:

International (IPC 8-9): A61B1/00 A61B1/005 A61B1/05 A61B1/06 A61B5/00 G06K9/00 (Advanced/Invention)

CPC: A61B1/00006 A61B1/00039 A61B5/0035 A61B5/0071 A61B5/02042 A61B5/021 A61B5/026 A61B5/0402 A61B5/4821 A61B5/7264 A61B17/068 A61B18/1445 A61B34/25 A61B34/37 A61B90/361 A61B2017/00022 A61B2017/00044 A61B2017/00061 A61B2017/00106 A61B2017/00119 A61B2017/00442 A61B2034/254 A61B2090/061 A61B2090/365 A61B2218/008 A61B2505/05 A61B18/00 A61B1/00009 A61B1/0052 A61B1/051 A61B1/0661 A61B1/0684 G06K9/00624 G06K2209/057 G06T7/20 G06T7/70 G06T2207/10068 G06K9/6274 G06K2209/05 G16H20/40 G16H40/20 G16H40/67

US: 1/1

**Family:**

Publication number	Publication date	Application number	Application date
US2019104919 AA	20190411	US20180209478	20181204

Priority:

US20120649310P 20120520 US20170611339P 20171228 US20170611341P 20171228
US20170611340P 20171228 US20180649291P 20180328 US20180649302P 20180328
US20180649294P 20180328 US20180649300P 20180328 US20180649309P 20180328
US20180649296P 20180328 US20180649315P 20180328 US20180649313P 20180328
US20180649307P 20180328 US20180649333P 20180328 US20180649327P 20180328
US20180649320P 20180328 US20180649323P 20180328 US20180650898P 20180330
US20180650887P 20180330 US20180650882P 20180330 US20180650877P 20180330

US20180659900P 20180419	US20180665129P 20180501	US20180665139P 20180501
US20180665177P 20180501	US20180665128P 20180501	US20180665192P 20180501
US20180665134P 20180501	US20180691219P 20180628	US20180691228P 20180628
US20180691227P 20180628	US20180691230P 20180628	US20180691257P 20180628
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US20180692748P 20180630	US20180692768P 20180630	US20180721995P 20180823
US20180721998P 20180823	US20180721999P 20180823	US20180721994P 20180823
US20180721996P 20180823	US20180729183P 20180910	US20180729177P 20180910
US20180729176P 20180910	US20180729185P 20180910	US20180729184P 20180910
US20180729182P 20180910	US20180729191P 20180910	US20180729195P 20180910
US20180729186P 20180910	US20180750529P 20181025	US20180750539P 20181025
US20180750555P 20181025	US20180773778P 20181130	US20180773728P 20181130
US20180773741P 20181130	US20180773742P 20181130	US20180209478 20181204

Probable Assignee: ETHICON LLC

Assignee(s): (std): ETHICON LLC

Inventor(s): (std): YATES DAVID C ; HARRIS JASON L ; SHELTON IV FREDERICK E

23) Family number: 77931835 (WO20047606A1)

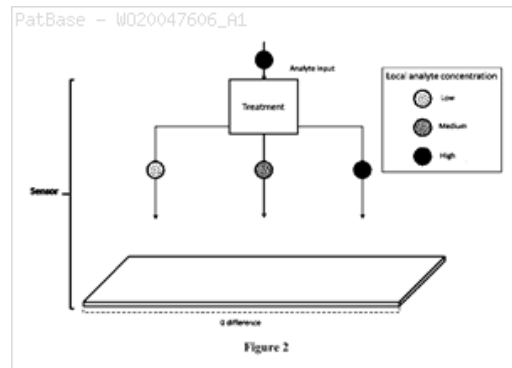
© PatBase

Title: SYSTEMS, SENSORS AND METHODS FOR DETERMINING A CONCENTRATION OF AN ANALYTE

Abstract: Disclosed herein are systems, sensors and methods for determining a concentration of an analyte in a fluid. The system comprises a sensor configured to generate a differential response to a constant concentration of the analyte; and an acquisition device configured to determine the concentration of the analyte from the differential response. The method comprises exposing the fluid to a sensor which is configured to generate a differential response to a constant concentration of the analyte; and measuring a differential response of the sensor to the analyte.

Classifications:

International (IPC 8-9): A61B5/08 A61B5/097 G01N31/22 G01N33/497 G01N33/64 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
WO20047606 A1	20200312	WO2019AU50955	20190906

Priority:

AU20180903323 20180906 AU20180904856 20181220 AU20190902157 20190620

Probable Assignee: UNIV SYDNEY

Assignee(s): (std): UNIV SYDNEY

Assignee(s): OF SYDNEY UNIV

Inventor(s): (std): YI XIAOKE ; COLLINS MICHAEL JAMES ; WU JIARONG ; HAN YANG ; AUSTIN MITCHELL

Agent(s): SPRUSON AND FERGUSON

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

24) Family number: 63709909 (US2016287071A)

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Title: METHODS OF MEASURING TOTAL RETINAL BLOOD FLOW USING EN FACE DOPPLER OCT

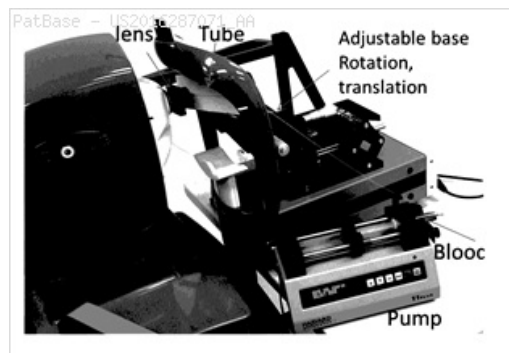
Abstract: Methods of performing en face Doppler total retinal blood flow measurement are disclosed. The methods involve obtaining a set of structural OCT scans; calculating a noise-reduced set of Doppler phase shift images by dividing the full spectrum OCT fringe data into a set of narrower filtered frequency bands for phase shift calculation; removing bulk motion along a depth direction; detecting retinal vessels in the set of images; applying a phase unwrapping algorithm to the images; classifying the vessels as veins and arteries; and calculating total retinal blood flow based on that classification.

Classifications:

International (IPC 8-9): A61B3/00 A61B3/10 A61B3/12 A61B5/0285 G06T5/00 G06T7/00 (Advanced/Invention)

CPC: A61B3/1233 A61B3/102 A61B3/0025 G06T7/0012 G06T2207/30041 G06T2207/30104 G06T2207/10101 G06K9/0061 G06K9/52 G06K2209/05 A61B5/7203 A61B6/5258 A61B3/1241

US: 1/1 600/425



Family:

Publication number	Publication date	Application number	Application date
US2016287071 AA	20161006	US20160089803	20160404
WO16161368 A2	20161006	WO2016US25713	20160401

Priority:

US20150142941P 20150403 US20160089803 20160404

Probable Assignee: UNIV OREGON HEALTH AND SCIENCE

Assignee(s): (std): HUANG DAVID ; OREGON HEALTH AND SCIENCE UNIV ; TAN OU ; UNIV OREGON HEALTH AND SCIENCE

Inventor(s): (std): HUANG DAVID ; TAN OU

Agent(s): JACKSON JEFFREY

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

25) Family number: 70161931 (US2018172510A)

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Title: SPECTROMETRY SYSTEM APPLICATIONS

Abstract: A system for analyzing food in a kitchen appliance for one or more of identifying the food, determining nutritional information of the food, and/or monitoring the readiness status of the food. The system may comprise a spectrometer apparatus integrated with the kitchen appliance such as an oven, or spaced apart from the kitchen appliance. The system may comprise a compound parabolic concentrator or a concentrating lens coupled to a spectrometer module and an illumination module of the apparatus. The system may comprise a respective compound parabolic concentrator or a concentrating lens coupled to each of the spectrometer module and illumination module for analyzing food at close range.

Classifications:

International (IPC 8-9): G01J3/02 G01J3/26 G01N21/25

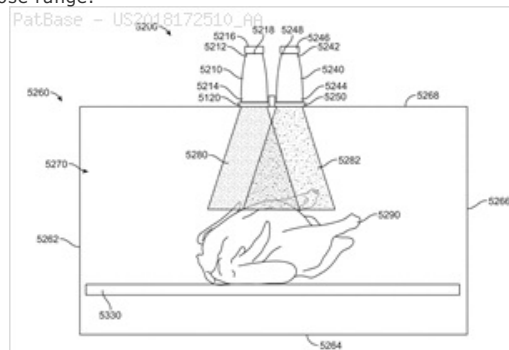
G01N33/02 (Advanced/Invention)

CPC: G01J3/0256 G01N33/02 G01N21/255 G01J3/0208 G01N21/65

G01N2201/0221 G01J3/0205 G01J3/0216 G01J3/0259 G01J3/0264

G01J3/027 G01J3/0272 G01J3/0291 G01J3/10 G01J3/26 G01J2003/1213

US: 1/1 356/326



Family:

Publication number	Publication date	Application number	Application date
US2018172510 AA	20180621	US20170834989	20171207

Priority:

US20160497956P 20161208 US20170834989 20171207

Probable Assignee: VERIFOOD LTD

Assignee(s): (std): VERIFOOD LTD

Inventor(s): (std): BAKISH IDAN ; GOLDRING DAMIAN ; KINROT URI ; SHARON DROR ; NIR ITTAI ; ROSEN SAGEE