

Search history

Search 1: FT=(BREATHALIZER~) (Results 29)
Search 2: FT=(BREATHALYZER~) (Results 1282)
Search 3: 2 and fan (Results 141)
Search 4: 3 and absorption (Results 37)

Title: Handheld sensing apparatus

Abstract: A vapor sensing device that is sufficiently small and lightweight to be handheld, and also modular so as to allow the device to be conveniently adapted for use in sensing the presence and concentration of a wide variety of specified vapors. The device provides these benefits using a sensor **module** that incorporates a sample chamber and a plurality of sensors located on a chip releasably carried within or adjacent to the sample chamber. Optionally, the sensor **module** can be configured to be releasably plugged into a receptacle formed in the device. Vapors are directed to pass through the sample chamber, whereupon the sensors provide a distinct combination of electrical signals in response to each. The sensors of the sensor **module** can take the form of chemically sensitive resistors having resistances that vary according to the identity and concentration of an adjacent vapor. These chemically sensitive resistors can each be connected in series with a reference resistor, between a reference voltage and ground, such that an analog signal is established for each chemically sensitive resistor. The resulting analog signals are supplied to an analog-to-digital converter, to produce corresponding digital signals. These digital signals are appropriately analyzed for vapor identification.

Classifications:

International (IPC 8-9): B01L3/00 B32B5/00 C40B50/02 G01N1/00 G01N19/10 G01N21/00 G01N21/27 G01N21/61 G01N25/00 G01N27/00 G01N27/04 G01N27/12 G01N27/16 G01N27/26 G01N27/27 G01N27/28 G01N27/414 G01N29/00 G01N29/02 G01N31/00 G01N33/00 G01N33/02 G01N33/18 G01N33/24 G01N33/49 G01N33/497 G01N33/50 G01N33/54 G01N33/543 G01N35/00 G01N37/00 G01N7/04 G06F11/00 G06F13/14 G06F15/00 G06F17/00 G06F19/00 G06F9/01 G06Q50/00 G08B17/10 H01H47/32 H04L12/16 H04L12/28 H04L29/06 H04L29/08

H04Q9/00 (Advanced/Invention);
B01L3/00 G01N27/04 G01N27/12 G01N27/27 G01N27/28 G01N29/00 G01N31/00 G01N33/00 G01N33/18 G01N33/24 G01N35/00 G01N37/00 G06Q50/00 G08B17/10 G08B21/12 H04L29/08 (Advanced/Non-invention);

B01L3/00 G01N27/04 G01N27/12 G01N27/28 G01N27/403 G01N29/00 G01N29/02 G01N31/00 G01N33/00 G01N33/48 G01N33/54 G01N37/00 G06F19/00 G06Q50/00 G08B17/10 H01H47/22 (Core/Invention);

G01N33/18 G01N33/24 G08B21/00 (Core/Non-invention);
G01N (Subclass/Invention)

International (IPC 1-7): A61B5/08 A61B5/145 B01L3/00 B32B5/00 G01D11/24 G01J1/50 G01N G01N1/00 G01N1/22 G01N11/00 G01N15/07 G01N19/10 G01N21/27 G01N21/31 G01N21/61 G01N25/00 G01N27/00 G01N27/04 G01N27/12 G01N27/16 G01N27/26 G01N27/27 G01N27/28 G01N27/414 G01N29/00 G01N29/18 G01N31/00 G01N33/00 G01N33/497 G01N33/543 G01N35/00 G01N7/00 G01N7/18 G01N9/00 G01R19/00 G02N27/26 G06F11/00 G06F13/00 G06F13/14 G06F15/16 G06F17/00 G06F17/30 G06F17/40 G06F19/00 G06F9/44 G06F9/46 G08B17/00 G08B17/10 G08B21/12 H01H47/32 H04L29/06

IPC: G01N33/0075 G01N33/0073 H04L67/12 H04L69/329

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European: B82Y15/00 G01N29/02F G01N33/00D2 G01N33/00D2D2 G01N33/00D2D2A G01N33/00D2G G01N33/00D2G1 G06F19/34C H04L29/08N11 H04L29/08N11M S01N1/02C S01N291/021C S01N291/021E S01N291/022C S01N291/022H S01N291/025G S01N291/028E S01N291/042E S01N291/042H S01N291/106 S05B219/2657 S06F19/34A S06F19/34K T04L29/08A7

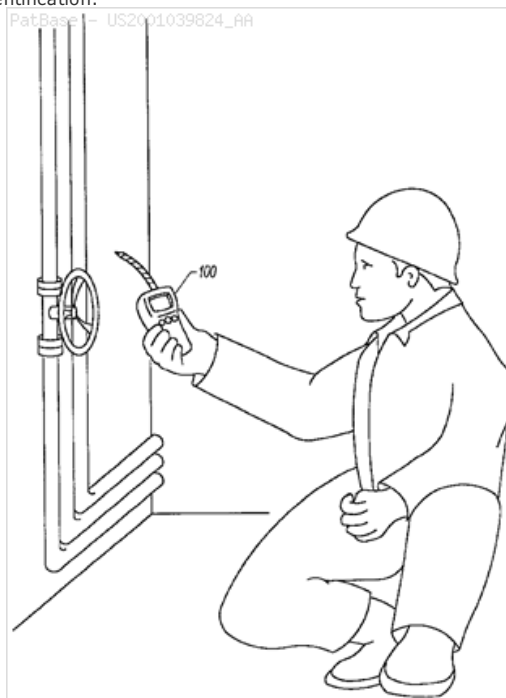
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JP F-Term: 2G046/AA01 2G046/BA09 2G046/CA09 2G046/FA01 2G055 2G060 2G060/AA01 2G060/AE19 2G060/AF08 2G060/HE10 2G060/KA01 4C038 4C038/KK00 4C038/KL05 4C038/KL07 4C038/KL09 4C038/KX01 4C038/SU17 4C038/SX20 2G046/DC14 2G046/DC16 2G046/DC17 2G046/DC18 2G046/FB02 2G056 2G058 2G058/GA01 2G058/GA11 2G058/GA20 2G058/GE05 2G058/HA04 2G059 2G059/AA01 2G059/AA05 2G059/BB01 2G059/BB04 2G059/BB12 2G059/CC04 2G059/CC06 2G059/CC12 2G059/CC13 2G059/CC15 2G059/CC16 2G059/DD12 2G059/EE01 2G059/EE02 2G059/EE04 2G059/EE05 2G059/FF08 2G059/HH01 2G059/HH02 2G059/HH03 2G059/JJ02 2G059/JJ17 2G059/KK01 2G059/MM01 2G059/MM02 2G059/MM09 2G059/PP10 2G042 2G042/AA01 2G042/BA00 2G042/BA01 2G042/BA08 2G042/BB00 2G042/BB01 2G042/BB14 2G042/BD04 2G042/BD05 2G042/BD06 2G042/BD08 2G042/BD09 2G042/BD10 2G042/BD11 2G042/CA00 2G042/CA01 2G042/CA02 2G042/CB01 2G042/CB03 2G042/CB06 2G046/AA04 2G046/AA18 2G046/AA24 2G046/AA26 2G046/AA31 2G046/AA34 2G046/DB05 2G046/DD01 2G046/FE39 2G047 2G047/AA01 2G047/AA05 2G060/AB01 2G060/AB02 2G060/AB15 2G060/AB21 2G060/AB22 2G060/AB26 2G060/AC02 2G060/AD01 2G060/AD05 2G060/AD06 2G060/AE17 2G060/AE20 2G060/AF02 2G060/AF07 2G060/HB06 2G060/HC13 2G060/HC18 2G060/HC19 2G060/HE02 4G057 4G057/AB11 4G057/AB38 4G057/AF06 5C085 5C085/AA05 5C085/AA18 5C085/AB08 5C085/AC14 5C085/BA11 5C085/CA04 5C085/DA16 5C085/DA17 5G057 5G057/AA05 5G057/BB07 5G057/KK01 5G057/KK08 5G057/KK32 5G057/RR04 5L099 5L099/AA00

JP F-Index: A61B5/08 A61B5/08/100 A61B5/083 A61B5/14/310 A61B5/14/322 A61B5/14/332 A61B5/145 A61B5/1455 A61B5/1477 G01N27/04/D G01N27/12/A G01N33/00/Z G01N21/27/Z G01N21/61 G01N27/12/Z G01N27/27/A G01N27/46/A G01N35/00/Z B01L3/00 G01N27/04/H G01N27/12/B G01N27/28/R G01N27/30/301/Z G01N27/414/301/Z G01N29/02/501 G01N29/18 G01N29/22 G01N29/30 G01N29/44 G01N31/00/Z G06F15/42 G06F17/60/126/Z G06Q50/22 G08B17/10 H01H47/32

Family:

Publication number	Publication date	Application number	Application date
AT306077 E	20051015	AT20000941511T	20000616
AT520972 E	20110915	AT20000013138T	20000616
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Probable Assignee: ENVIRONMENTAL TECHNOLOGIES GROUP INC

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Inventor(s): (std): BOEHR C K ; BOEHR CHRISTOPHER K ; GREGORY STEINTHAL M ; NAKAYAMA ROBERT K ; ROY AJOY ; STEINTHAL GREGORY ; STEINTHAL GREGORY M ; STEINTHAL M ; STEINTHAL M G ; STEINTHAL M GREGORY ; SUNSHINE A ; SUNSHINE S A ; SUNSHINE STEVE A ; SUNSHINE STEVEN ; SUNSHINE STEVEN A

Inventor(s): SUNSHINE STEVEN A PASADENA ; SUNSHINE SA ; STEINTHAL M GREGORY LOS ANGELES ; ROY AJOY PASADENA ; MG STEINTHAL ; CK BOEHR ; AJOY ROY ; STEVEN A SUNSHINE ; S A SUNSHINE ; ROBERT K NAKAYAMA ; M G STEINTHAL ; M GREGORY STEINTHAL ; NAKAYAMA ROBERT ; C K BOEHR ; CHRISTOPHER K BOEHR ; BOEHR CHRISTOPHER

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; FETHERSTONHAUGH AND CO; MANITZ FINSTERWALD AND PARTNER GBR; BIZLEY RICHARD EDWARD; REINHOLD COHN AND PARTNERS; AKIMOTO YOSHIO; MASUI CHUJI; SHAMOTO ICHIO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; SHIMADA TETSURO; TSURUTA JUNICHI; AOKI ATSUSHI; HIGUCHI SOTOJI; ISHIDA TAKASHI; NISHIYAMA MASAYA; FOLEY AND LARDNER SUITE 500; FOLEY AND LARDNER, SUITE 500; FOLEY AND LARDNER LLP, SUITE 500; FOLEY AND LARDNER LLP SUITE 500; FOLEY AND LARDNER LLP

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

Title: CONDUCTIVE ORGANIC SENSORS, ARRAYS AND METHODS OF USE

Abstract: The present invention provides a class of sensors prepared from regions of conducting organic materials and conducting materials that show an increase sensitivity detection limit for amines. The present class of sensors have applications in the detection of spoiled food products and in testing for diseases, such as cholera and lung cancer, which have amines as biomarkers.

Classifications:

International (IPC 8-9): C12M1/34 C12Q1/04 G01N27/04 G01N27/12 G01N27/26 G01N27/27 G01N27/49 G01N33/00 G01N33/497

G01N5/02 (Advanced/Invention);

G01N33/02 (Advanced/Non-invention);

C12M1/34 C12Q1/04 G01N27/12 G01N33/00 G01N33/483

G01N5/00 (Core/Invention);

G01N33/02 (Core/Non-invention)

International (IPC 1-7): C12M1/34 C12Q1/04 G01N27/12 G01N27/26 G01N33/00 G01N5/02

CPC: G01N27/126 G01N33/497

European: G01N27/12E2 G01N33/00D2D2N G01N33/497

S01N33/02

US: 204/403.01 204/403.03 204/403.13 204/403.15 204/431 422/88

422/90 422/98 73/23.3 73/23.31 73/23.34 73/29.01 73/31.01

73/31.05 73/335.05

JP F-Term: 2G046/AA22 2G046/AA23 2G046/AA24

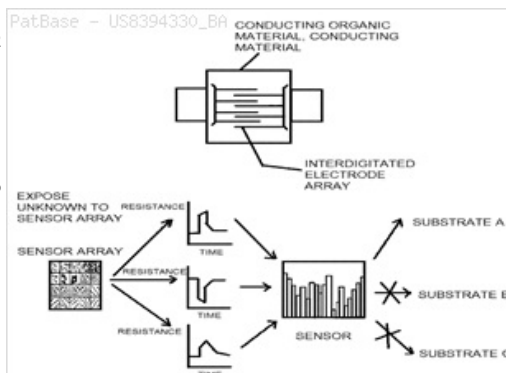
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4B029/FA03 4B063 4B063/QA01 4B063/QA18 4B063/QQ05 4B063/QS39

JP F-Index: C12M1/34/B C12Q1/04 G01N27/12/C G01N27/12/Z G01N5/02/A



Family:

Publication number	Publication date	Application number	Application date
EP1117991 A1	20010725	EP19990951747	19991001
EP1117991 A4	20050427	EP19990951747	19991001
JP2002526769 T2	20020820	JP20000574919T	19991001
US8394330 BA	20130312	US19990409644	19991001
WO0020852 A1	20000413	WO1999US23017	19991001
WO0020852 C2	20000914	WO1999US23017	19991001

Priority:

US19980102817P 19981002 US19990143202P 19990709 US19990409644 19991001
WO1999US23017 19991001

Probable Assignee: CALIFORNIA INST OF TECHNOLOGY

Assignee(s): (std): GRUBBS ROBERT ; LEWIS CAROL ; LEWIS NATHAN S ; SOTZING GREGORY ALLEN ; CALIFORNIA INST OF TECHN

Assignee(s): CALIFORNIA INST OF TECHNOLOGY ; CALIFORNIA INSTITUTE OF TECHNOLOGY ; THE CALIFORNIA INSTITUTE OF TECHNOLOGY

Inventor(s): (std): GRUBBS ROBERT ; LEWIS CAROL ; LEWIS NATHAN S ; LEWIS NATHANIEL S ; SOTZING GREGORY A ; SOTZING GREGORY ALLEN

Agent(s): JOSEPH R; GAVRILOVICH DODD AND LINDSEY LLP

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

Title: Operation method for an alcohol sensor

Abstract: Breathalyzer uses a gallium oxide (Ga_2O_3) gas sensor. This is mounted in a housing (4) with a partition wall containing an aperture so that breath flows through in a main stream (2) and is deflected to form a sub-stream (3) which flows over the sensor. An Independent claim is included for a method for operating the breathalyzer in which the sensor is heated to a constant temperature.

Classifications:

International (IPC 8-9): G01N27/12

G01N33/497 (Advanced/Invention);

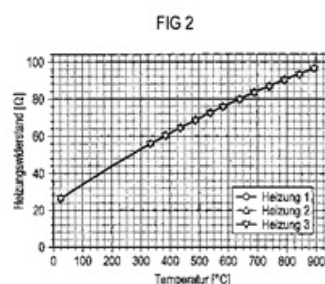
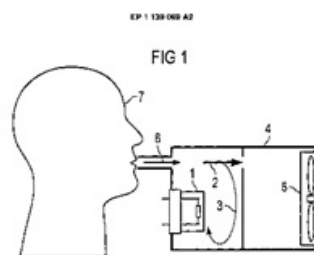
G01N27/12 G01N33/483 (Core/Invention)

International (IPC 1-7): G01N27/12 G01N27/14 G01N33/497

CPC: G01N27/12 G01N33/4972

European: G01N27/12 G01N33/497A

PatBase - EP1139099_A2



Family:

Publication number	Publication date	Application number	Application date
AT443865 E	20091015	AT20010103892T	20010216
DE10008969 A1	20010913	DE20001008969	20000225
DE10008969 C2	20021017	DE20001008969	20000225
DE50115114 D1	20091105	DE20015015114	20010216
EP1139099 A2	20011004	EP20010103892	20010216
EP1139099 A3	20020102	EP20010103892	20010216
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Priority:

DE20001008969 20000225

Probable Assignee: SIEMENS AG

Assignee(s): (std): SIEMENS AG

Assignee(s): SIEMENS AKTIENGESELLSCHAFT

Inventor(s): (std): FLEISCHER MAXIMILIAN ; FLEISCHER MAXIMILIAN DR ; FREITAG REINHARD ; MEIXNER HANS ; MEIXNER HANS PROF

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

Title: DEVICE FOR ANALYZING THE ALCOHOL CONTENT OF RESPIRATORY GAS

Abstract: Disclosed is a hand-held device for analyzing the alcohol content found in expelled respiratory gas, the device comprising an outer analyzer housing, a gas analysis and readout assembly, and a control circuit. The expulsion of respiratory gas into the device rotates a **fan** member. The number of revolutions of the **fan** member generates a revolution signal that is compared to a predetermined revolution value programmed into the control circuit. When the comparison generates a positive result, alcohol detecting means sample and test the respiratory gas passing through the device. The device thus forces the user to expel so-called low-lung, residual respiratory gas, which gas typically comprises more accurate levels of alcohol as compared to the consumer's blood alcohol content. If the comparison results in a negative signal, the user is prompted to repeat the procedure until a reading of low-lung respiratory gas has been acquired.

Classifications:

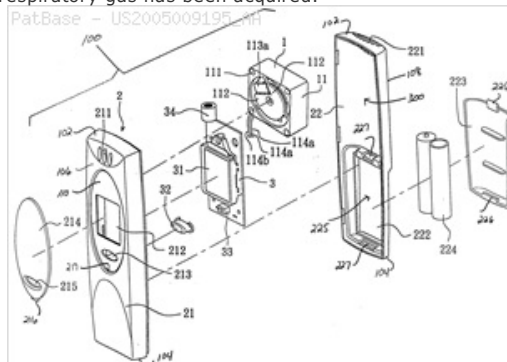
International (IPC 8-9): G01N1/22 G01N27/00 G01N33/497
G01N33/98 (Advanced/Invention);
G01N1/22 G01N27/00 G01N33/483 G01N33/98 (Core/Invention)

International (IPC 1-7): G01N1/22 G01N27/00 G01N33/98

CPC: G01N33/4972 Y10T436/204165

European: G01N33/497A

US: 422/98 436/132



Family:

Publication number	Publication date	Application number	Application date
CN2636241 Y	20040825	CN20032072653U	20030722
TWM245407 Y	20041001	TW20030212574U	20030709
US2005009195 AA	20050113	US20040888333	20040709

Priority:

TW20030212574U 20030709 CN20032072653U 20030722

Probable Assignee: YOUSIJIA INDUSTRY CO LTD

Assignee(s): (std): VISIONTAC LTD ; WANG CHI HSIANG ; YOUSIJIA IND CO LTD ; YOUSIJIA INDUSTRY CO LTD

Assignee(s): YOUSIJIA INDUSTRY CO

Inventor(s): (std): WANG CHI HSIANG ; WANG JI SHIANG ; WANG JIXIANG

Inventor(s): JIXIANG WANG

Agent(s): MERONI AND MERONI

Title: TRACER TO COMPENSATE FOR ENVIRONMENTAL VARIATIONS THAT INFLUENCE A CHEMICAL VAPOR SENSOR MEASUREMENT

Abstract: A chemical vapor sensor is provided that passively measures a suspect chemical species of interest with high sensitivity and chemical specificity, for use with safety systems. A vapor concentrator amplifies a suspect chemical vapor concentration to a detectable level, for use with an infrared detector. Compensation is provided for environmental variations that may influence the passive measurement of the chemical vapor sensor. Environmental variations may include extrinsic vapors in the surrounding air, or air currents that divert the sample vapor as it drifts from the suspect vapor source to a sampling intake. In an example, ethanol vapor is measured and carbon dioxide tracer measurements are used to calculate an ethanol vapor measurement that is adjusted for environmental variations. In an aspect, a time artifact filter sets the output of the carbon dioxide sensor to match the time dependence of the ethanol sensor, to calculate blood alcohol concentration.

Classifications:

International (IPC 8-9): B60K28/06 G01N1/22 G01N1/40 G01N21/00 G01N21/05 G01N21/27 G01N21/35 G01N33/00 G01N33/49 G01N33/497 G01N33/98 (Advanced/Invention); B60K28/00 G01N21/00 G01N21/31 G01N33/00 G01N33/48 G01N33/483 G01N33/98 (Core/Invention)

CPC: Y10S436/90 G01N1/2214 B60K28/063 B60W2540/24 G01N1/405 G01N21/0332 G01N21/05 G01N21/274 G01N21/3504 G01N33/004 G01N33/0047 G01N33/4972 G01N2001/2276 G01N2021/158 Y10T436/204165 Y02A50/244

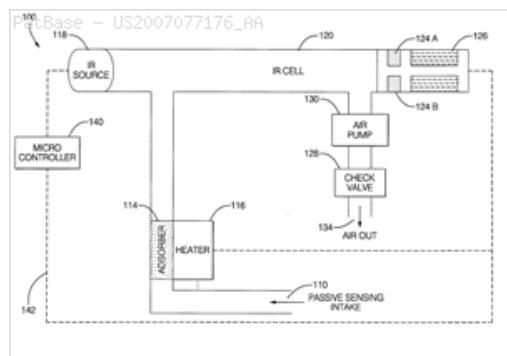
European: B60K28/06B G01N1/22B7 G01N21/05 G01N21/27E G01N21/35B G01N33/497A L60W540/24 S01N1/22G1 S01N1/40A2 S01N1/40D S01N1/40P S01N21/03G S01N21/15G S01N33/00D2D4C S01N33/00D2D4G

US: 250/343 250/344 250/345 250/349 356/36 422/82.05 422/82.050P 422/82.09 422/83 422/84 436/132 436/167 436/900

JP F-Term: 2G045 2G045/AA13 2G045/CB22 2G045/DA74

2G045/DB01 2G045/DB22 2G045/FA13 2G045/FA25 2G045/GC10 2G045/JA01 2G045/JA07 2G059 2G059/AA01 2G059/BB02 2G059/BB13 2G059/CC04 2G059/CC15 2G059/DD04 2G059/DD12 2G059/DD16 2G059/FF04 2G059/GG10 2G059/HH01 2G059/HH06 2G059/JJ03 2G059/KK09 2G059/MM01 2G059/MM05 3D037 3D037/EC05 3D037/FA03 3D037/FB01 3D037/FB10

JP F-Index: B60K28/06/B G01N21/35/Z G01N33/497/A G01N33/98

**Family:**

Publication number	Publication date	Application number	Application date
EP1772725 A1	20070411	EP20060076788	20060927
JP2007147592 A2	20070614	JP20060273692	20061005
US2007077176 AA	20070405	US20050243556	20051005
US7736903 BB	20100615	US20050243556	20051005

Priority:

US20050243556 20051005

Probable Assignee: DELPHI TECHNOLOGIES INC

Assignee(s): (std): DELPHI TECH INC ; LAMBERT DAVID K ; PARTIN DALE L ; SULTAN MICHEL F

Assignee(s): VODAFONE GROUP PLC ; VODAFONE IP LICENSING LTD ; SOFTBANK MOBILE CORP ; DELPHI TECHNOLOGIES INC

Inventor(s): (std): SULTAN MICHEL F ; PARTIN DALE L ; LAMBERT DAVID K

Inventor(s): SULTAN MICHEL ; PARTIN DALE ; LAMBERT DAVID

Agent(s): CHIBA AKIO; ONO SHINJIRO; SHAMOTO ICHIO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; MIYAMAE TORU; DELPHI TECHNOLOGIES INC; JIMMY L

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 MK NL PL PT RO SE SI SK TR YU

Title: APPARATUS FOR NON-INVASIVE SPECTROSCOPIC MEASUREMENT OF ANALYTES, AND METHOD OF USING THE SAME

Abstract: An apparatus for spectroscopic evaluation of a subject's body fluids may be used at the interstitial region adjacent to or in between a subject's extremities using a spectroscopic probe. The spectroscopic probe may possess one or more of the movements such as rotational, translational, and/or vertical freedom necessary for the probe to contact the subject's tissue at a consistent angle and pressure while accommodating the different size of the subject's extremities, and may be housed in a device optimized for attaining reproducible blood flow to the region of the subject that is measured, and for minimizing the effects of the housing pulling, stretching, pressing, compressing the subject's skin. A pressure sensor may be used to ensure that measurements are taken at an optimal pressure. A touch sensor may be used to activate a system and/or to ensure flushness. In addition, the spectroscopic measurement may be coupled with a temperature measurement means that detects the subject's local body temperature in or near the region being measured, or the subject's core or mean body temperature, or the ambient temperature proximate to the probe, or any combination of those measurements. The system may also include one or more indicators to communicate information to a test subject.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/01 A61B5/145

A61B5/1455 A61B6/00 G01N21/35 G01N21/3577

G01N33/48 (Advanced/Invention);

A61B5/145 A61B6/00 (Advanced/Non-invention);

A61B5/00 A61B5/01 A61B5/145 A61B6/00 (Core/Invention)

CPC: A61B5/6826 A61B5/6838 A61B2560/0223 A61B5/0059

A61B5/0062 A61B5/441 A61B5/6825 G01N21/359 A61B5/1455

A61B5/0075 A61B5/14532 A61B5/14546 A61B5/117

European: A61B5/00P A61B5/00P7 A61B5/1455 A61B5/145G

A61B5/145P A61B5/68B2J1 A61B5/68B3L K61B5/00P1 K61B5/117

K61B5/145G K61B5/44B K61B560/02D

US: 600/310 600/310P 600/322 600/322P 600/340 600/344 600/549 600/549S

JP F-Term: 4C038 4C038/KK10 4C038/KL05 4C038/KL07

4C038/KY01 4C038/KY04 4C117 4C117/XA01 4C117/XB01

4C117/XB02 4C117/XC19 4C117/XD16 4C117/XD17 4C117/XD37

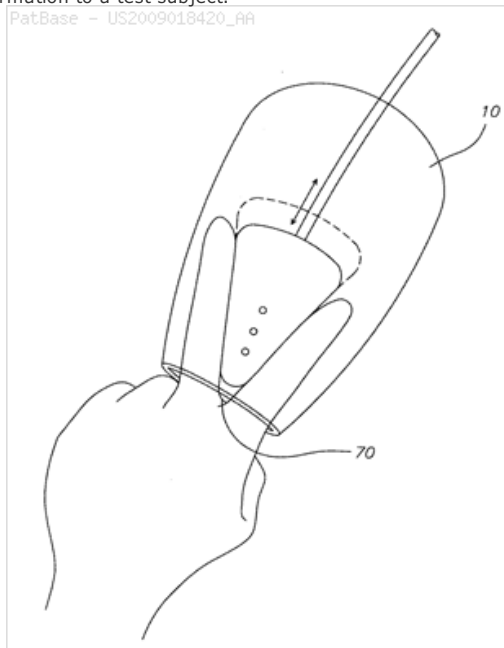
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4C117/XP20

JP F-Index: A61B5/14/322 A61B5/1455 A61B5/00/N

A61B5/00/101/K A61B5/01/350

PatBase - US2009018420_AA



Family:

Publication number	Publication date	Application number	Application date
AT14329 U1	20150815	AT20080009913U	20080710
AT14329 U1	20150815	AT20130000099U	20080710
AU2008276537 AA	20090122	AU20080276537	20080710
CA2730560 AA	20110112	CA20082730560	20080710
DE202008018395 U1	20140313	DE200820018395U	20080710
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DK201300050 Y3	20131025	DK20130000050U	20130326
DK201300146 U1	20131011	DK20130000146U	20130930
DK201300146 Y3	20131213	DK20130000146U	20130930
EP2173239 A1	20100414	EP20080794469	20080710
ES1141434 UA	20150715	ES20140031107U	20080710
ES1141434 Y1	20151007	ES20140031107U	20080710
ES1143508 UA	20150909	ES20150030883U	20080710
ES1143508 Y1	20151203	ES20150030883U	20080710
JP2010533055 T2	20101021	JP20100516994T	20080710
JP2015091337 A2	20150514	JP20140252197	20141212
KR101534537 B1	20150707	KR20107003323	20080710
KR20100054131 A	20100524	KR20107003323	20080710
TW200918015 A	20090501	TW20080126453	20080711
US2009018420 AA	20090115	US20070945992	20071127
US2010160750 AA	20100624	US20090498360	20090706
US2010249546 AA	20100930	US20100796459	20100608
US7734321 BB	20100608	US20070945992	20071127
WO09011805 A1	20090122	WO2008US08552	20080710
WO10003157 A1	20100107	WO2009US49732	20090706

Priority:

US20070498360	20070713	US20070949836P	20070713	US20070660280	20070824
US20070966028P	20070824	US20070459920	20071127	US20070945992	20071127
US20080133892P	20080703	EP20080794469	20080710	JP20100516994	20080710
JP20100516994T	20080710	WO2008US08552	20080710	US20090498360	20090706
US20100796459	20100608				

Probable Assignee: ASPIRING HOLDINGS LLC

Assignee(s): (std): AFFIRMED TECHNOLOGIES LLC ; ALL PROTECT LLC ; BECHTEL KATE ; WHITE STEVE C ; WHITE STEVEN C ; HEANUE JOHN

Assignee(s): SENSING SOLUTIONS VERWALTUNGS GMBH ; SENSING SOLUTIONS GMBH ; TUPLES MEDICAL GMBH ; ALLIANCE MEDICAL TECHNOLOGIES AG ; ASPIRING HOLDINGS LLC ; ALL PROTECT

Inventor(s): (std): BECHTEL KATE ; HEANUE JOHN ; STEVEN C WHITE ; STEVEN WHITE ; WHITE STEVE C ; WHITE STEVEN

; WHITE STEVEN C

Agent(s): FB RICE; FB RICE PTY LTD; FETHERSTONHAUGH AND CO; GROSS FELIX; VALLEJO JUAN PEDRO; AOKI
ATSUSHI; TSURUTA JUNICHI; SHIMADA TETSURO; WILLIAM C MILKS III; CHRISTIE PARKER AND HALE
LLP; MILKS WILLIAM C III; DALY THOMAS 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 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

Title: METHOD AND SYSTEM FOR PROVIDING TIERED PRIORITY ACCESS TO COMMUNICATION NETWORK RESOURCES

Abstract: Methods and systems automatically allocate cellular communication network resources to emergency response personnel during emergency situations which are detected by call volumes exceeding a predetermined maximum. Access to cellular communication network resources is provided by dedicating a portion of communication channels to emergency response personnel use. By reserving whole communication channels for emergency communication purposes, emergency personnel are able to both initiate and receive calls from both other mobile devices as well as conventional landline telephone stations. Qualified emergency response personnel can preregistered their phones and be assigned personal identification numbers to enable access to allocated network resources. Users can also be registered "on the fly."

Classifications:

International (IPC 8-9): A01N43/06 A01N43/26 A01N43/78 A01N47/28 A61K31/17 A61K31/38 A61K31/385 A61K31/425 A61K31/426 A61P25/00 A61P25/18 H04L12/851 H04M11/04 H04W24/08 H04W28/02 H04W36/22 H04W4/22 H04W48/06 H04W72/00 H04W72/04 H04W72/10 H04W72/12 H04W76/00 H04W76/06 (Advanced/Invention); H04W36/14 H04W36/22 H04W4/22 H04W48/06 H04W72/00 H04W76/06 H04W88/06 H04W88/08 (Advanced/Non-invention); A01N43/72 A61K31/425 A61K31/426 H04M11/04 H04W72/00 (Core/Invention)

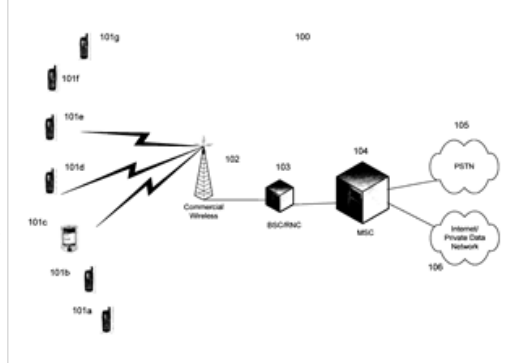
International (IPC 1-7): A61K31/426

CPC: A61K31/426 H04W24/08 H04W48/06 H04W36/22 H04W28/0215 H04W28/0247 H04W72/0493 H04W88/08 H04W72/1247 H04W72/00 H04W88/06 H04L47/24 H04W36/14 H04W76/007 H04W72/10 H04W4/90 H04W76/36 H04W76/50

European: A61K31/426 H04W72/10 T04W4/22 T04W76/00E

US: 1/1 340/287 340/288 340/291 340/293 340/307 370/338 379/37 379/43 379/45 379/48 455/403 455/404.1 455/404.100P 455/450 455/450S 514/365 514/439 514/448 514/596

PatBase - US2009143046_AA



Family:

Publication number	Publication date	Application number	Application date
CA2753754 AA	20110825	CA20092753754	20090226
CA2753754 C	20150609	CA20092753754	20090226
IN06806DN2010 A	20110729	IN2010DN06806	20100927
US2009143046 AA	20090604	US20080273146	20081118
US2009215840 AA	20090827	US20080136099	20080610
US2012282879 AA	20121108	US20120545568	20120710
US2012289556 AA	20121115	US20120552182	20120718
US2013072146 AA	20130321	US20120664819	20121031
US2014099911 AA	20140410	US20130098863	20131206
US2016113041 AA	20160421	US20150978369	20151222
US8247438 BB	20120821	US20080136099	20080610
US8275349 BB	20120925	US20080273146	20081118
US8592466 BB	20131126	US20120552182	20120718
US8611848 BB	20131217	US20120545568	20120710
US8892066 BB	20141118	US20130098863	20131206
US9258687 BB	20160209	US20120664819	20121031
US9826557 BB	20171121	US20150978369	20151222
WO09108785 A2	20090903	WO2009US35296	20090226
WO09108785 A3	20091230	WO2009US35296	20090226

Priority:

US20070990938P	20071129	US20080032010P	20080227	US20080038451P	20080321
US20080136099	20080610	US20080273146	20081118	WO2009US35296	20090226
US20120545568	20120710	US20120552182	20120718	US20120664819	20121031
US20130098863	20131206	US20150978369	20151222		

Probable Assignee: NEUROPILL INC

Assignee(s): (std): ELKASHEF AHMED ; NEUROPILL INC ; RIVADA NETWORKS LLC ; SMITH CLINT

Assignee(s): AHMED ELKASHEF ; DEAN AND CO STRATEGY CONSULTANTS LLC

Inventor(s): (std): SMITH CLINT ; ELKASHEF AHMED

Inventor(s): AHMED ELKASHEF

Agent(s): GOWLING LAFLEUR HENDERSON LLP; MARBURY LAW GROUP PLLC; THE MARBURY LAW GROUP PLLC; GHAFOORIAN 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 LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR 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: SYNTHETIC TRITERPENOIDS AND METHODS OF USE IN THE TREATMENT OF DISEASE

Abstract: The present invention concerns methods for treating and preventing renal/kidney disease, insulin resistance/diabetes, fatty liver disease, and/or endothelial dysfunction/cardiovascular disease using synthetic triterpenoids, optionally in combination with a second treatment or prophylaxis.

Classifications:

International (ipc 8-9): A61K A61K31/122 A61K31/21 A61K31/215 A61K31/275 A61K31/277 A61K31/4164 A61K31/4174 A61K31/56 A61K31/575 A61K31/58 A61K45/00 A61K45/06 A61K47/32 A61K47/38 A61K9/107 A61K9/127 A61K9/48 A61P A61P1/04 A61P1/16 A61P13/00 A61P13/12 A61P17/00 A61P21/00 A61P25/00 A61P27/02 A61P3/00 A61P3/04 A61P3/06 A61P3/08 A61P3/10 A61P37/02 A61P37/06 A61P5/50 A61P9/00 A61P9/08 A61P9/10 A61P9/12 A61P9/14 C07C49/643 C07J63/00 (Advanced/Invention); A61K31/56 A61P3/00 A61P3/10 A61P9/00 C07J63/00 (Advanced/Non-invention); A61K31/21 A61K31/275 A61K31/4164 A61K31/56 A61P1/16 A61P13/00 A61P3/00 A61P9/00 (Core/Invention); A61K31/275 A61K31/4164 A61P3/00 (Core/Non-invention); A61K A61P (Subclass/Invention)

International (ipc 1-7): A61K31/275

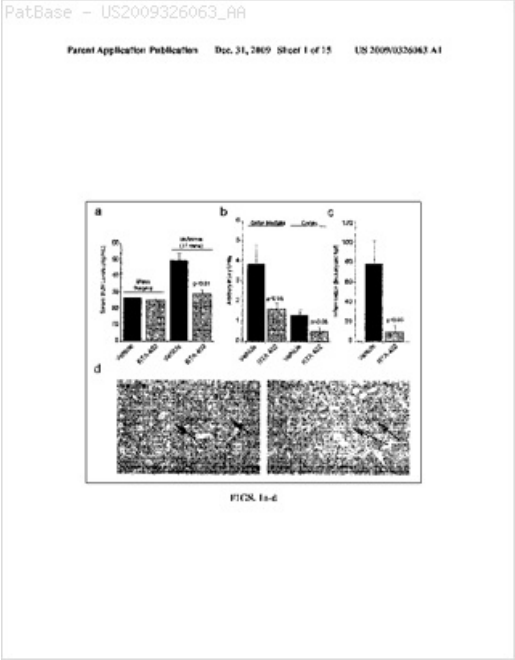
CPC: A61K31/4174 A61K31/277 A61K31/275 A61K31/4164 A61K31/56 A61K2300/00

European: A61K31/275 A61K31/4164

US: 514/399 514/506 514/510 514/511 514/512 514/519 514/529 558/429 558/430 558/440 558/443

JP F-Term: 4C076 4C076/AA16 4C076/AA17 4C076/AA19 4C076/AA22 4C076/AA36 4C076/AA53 4C076/BB01 4C076/BB11 4C076/CC29 4C076/EE09 4C076/EE12 4C076/EE16 4C076/EE32 4C076/EE42/H 4C076/EE48 4C076/FF04 4C076/FF21 4C084 4C084/AA19 4C084/MA02 4C084/MA05 4C084/MA22 4C084/MA23 4C084/MA24 4C084/MA35 4C084/MA37 4C084/MA52 4C084/MA66 4C084/NA14 4C084/ZA01/1 4C084/ZA33/1 4C084/ZA36/1 4C084/ZA39/1 4C084/ZA42/1 4C084/ZA44/1 4C084/ZA45/1 4C084/ZA68/1 4C084/ZA75/1 4C084/ZA81/1 4C084/ZA89/1 4C084/ZA94/1 4C084/ZC21/1 4C084/ZC35/1 4C084/ZC75/1 4C086 4C086/AA01 4C086/AA02 4C086/BC38 4C086/MA01 4C086/MA02 4C086/MA04 4C086/MA05 4C086/MA21 4C086/MA22 4C086/MA23 4C086/MA24 4C086/MA35 4C086/MA37 4C086/MA52 4C086/MA66 4C086/NA14 4C086/ZA01 4C086/ZA33 4C086/ZA36 4C086/ZA39 4C086/ZA42 4C086/ZA44 4C086/ZA45 4C086/ZA68 4C086/ZA75 4C086/ZA81 4C086/ZA89 4C086/ZA94 4C086/ZC21 4C086/ZC35 4C086/ZC75 4C091 4C091/AA06 4C091/BB03 4C091/BB10 4C091/CC01 4C091/DD03 4C091/DD16 4C091/EE07 4C091/FF02 4C091/FF06 4C091/GG01 4C091/HH01 4C091/JJ03 4C091/KK01 4C091/LL02 4C091/LL03 4C091/LL06 4C091/LL09 4C091/MM01 4C091/NN01 4C091/PA02 4C091/PA12 4C091/PA13 4C091/PB04 4C091/QQ02 4C091/QQ05 4C091/QQ15 4C201 4C206 4C206/AA01 4C206/AA02 4C206/HA11 4C206/KA17 4C206/MA01 4C206/MA02 4C206/MA04 4C206/MA05 4C206/MA41 4C206/MA42 4C206/MA43 4C206/MA44 4C206/MA55 4C206/MA57 4C206/MA72 4C206/MA86 4C206/NA14 4C206/ZA01 4C206/ZA33 4C206/ZA36 4C206/ZA39 4C206/ZA42 4C206/ZA44 4C206/ZA45 4C206/ZA68 4C206/ZA75 4C206/ZA81 4C206/ZA89 4C206/ZA94 4C206/ZC21 4C206/ZC35 4C076/AA54 4C076/AA56 4C076/BB14 4C076/BB15 4C076/BB21 4C076/BB24 4C076/BB25 4C076/BB29 4C076/BB30 4C076/BB31 4C076/CC07 4C076/CC11 4C076/CC16 4C076/CC17 4C076/CC21 4C076/CC27 4C076/CC50 4C076/EE01 4C076/EE10 4C076/EE11 4C076/EE33 4C076/EE47 4C086/ZA02 4C086/ZA40 4C086/ZC33 4C206/ZA02 4C206/ZA40 4C206/ZB07 4C206/ZC33 4C076/AA58 4C076/CC01 4C076/CC10 4C076/CC30 4C076/EE42 4C084/MA56 4C084/MA63 4C084/ZA01 4C084/ZA33 4C084/ZA36 4C084/ZA42 4C084/ZA45 4C084/ZA70 4C084/ZA75 4C084/ZA81 4C084/ZA94 4C084/ZC03 4C084/ZC20 4C084/ZC21 4C084/ZC33 4C084/ZC42 4C084/ZC75 4C086/DA08 4C086/MA63 4C086/ZA70 4C086/ZC03 4C206/KA04 4C206/ZC75

JP F-Index: A61K31/275 A61K31/277 A61K31/4164 A61K45/00 A61K47/32 A61K47/38 A61P1/04 A61P1/16 A61P13/12 A61P17/00 A61P21/00 A61P25/00 A61P27/02 A61P3/00 A61P3/10 A61P5/50 A61P9/08 A61P9/10 A61P9/10/101 A61P9/12 A61P9/14 C07J63/00 A61K9/48 A61P3/04 A61P3/06 A61P37/02 A61P9/10/103 A61K31/56 A61K9/107 A61K9/127 A61P37/06 A61P9/00



Family:

Publication number	Publication date	Application number	Application date
AU2009203941 AA	20090716	AU20090203941	20090112
AU2009203941 BB	20150312	AU20090203941	20090112
CA2711834 AA	20100709	CA20092711834	20090112
CA2711834 C	20170314	CA20092711834	20090112
CA2955987 AA	20090716	CA20092955987	20090112
CL2009000048 A1	20091120	CL20090000048	20090112
CN101965184 A	20110202	CN200980107178	20090112
CN101965184 B	20150311	CN200980107178	20090112
CN104739841 A	20150701	CN201510082399	20090112
CN104739841 B	20180601	CN201510082399	20090112
CN108434151 A	20180824	CN201810434661	20090112
CO6351720 A2	20111220	CO20100098518	20100811
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HK1148196 A1	20151218	HK20110102277	20110307
HK1206593 A1	20160115	HK20150106994	20110307
IL206749 A0	20101230	IL20090206749	20090112
IL206749 A1	20160131	IL20090206749	20090112
IN05158DN2010 A	20110304	IN2010DN05158	20100716
JP2011509941 T2	20110331	JP20100542411T	20090112
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JP2014218530 A2	20141120	JP20140174992	20140829
JP4923146 B2	20120425	JP20100542411T	20090112
JP5608143 B2	20141015	JP20110221593	20111006
JP5946873 B2	20160706	JP20140174992	20140829
KR101780382 B1	20171010	KR20107017787	20090112

KR101880692 B1	20180720	KR20177013732	20090112
KR20100117072 A	20101102	KR20107017787	20090112
KR20170060173 A	20170531	KR20177013732	20090112
MX2010007610 A1	20101214	MX20100007610	20090112
MY158798 A	20161115	MY20100003227	20090112
NZ586751 A	20120831	NZ20090586751	20090112
PH2016502474 A	20180305	PH20160502474	20161212
SG187464 A1	20130228	SG20130002522	20090112
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Priority:

US20080020624P	20080111	US20080020624	20080111	US20080109114P	20081028
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Probable Assignee: TRUSTEES OF DARTMOUTH COLLEGE

Assignee(s): (std): DARTMOUTH COLLEGE ; GRIBBLE GORDON W ; HONDA TADASHI ; KRAL ROBERT M ; LIBY KAREN ; LIBY KAREN T ; TRUSTEES OF DARTMOUTH COLLEGE ; SPORN MICHAEL ; REATA PHARMACEUTICALS INC ; MEYER COLIN J ; SPORN MICHAEL B ; REATA PHARMAECUTICALS INC

Assignee(s): REATA PHARMACEUTICALS INC TRUSTEES OF DARTMOUTH COLLEGE ; OXFORD FINANCE LLC COLLATERAL AGENT AS

Inventor(s): (std): G GRIBBLE GORDON W W ; GRIBBLE GORDON ; GRIBBLE GORDON W ; GRIBBLE GORDON W W ; KAREN LIBY ; KRAL ROBERT ; KRAL ROBERT M ; KRAL ROBERT M M ; HONDA TADASHI ; LIBY KAREN ; LIBY KAREN T ; MEYER COLIN ; MEYER COLIN J ; MEYER COLIN J J ; MICHAEL SPORN ; SPORN MICHAEL ; SPORN MICHAEL B ; TADASHI HONDA

Inventor(s): KRAL ROBERT M JR MEYER COLIN J ; SPORN, Michael ; ROBERT KRAL ; ROBERT M KRAL ; LIBY, Karen ; HONDA, Tadashi ; GORDON GRIBBLE ; GORDON W GRIBBLE ; COLIN J MEYER ; COLIN MEYER

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; BERESKIN AND PARR LLP SENCRL SRL; ALESSANDRI; SILVANA MARIA LOPEZ DIAZ; DEHMEL ALBRECHT; REINHOLD COHN AND PARTNERS; KAWAMOTO KAZUYA; SHIMIZU HATSUSHI; OSAKABE SUGURU; SPRUSON AND FERGUSON ASIA PTE LTD; FULBRIGHT AND JAWORSKI LLP; PARKER HIGHLANDER PLLC; VOGES MARK H

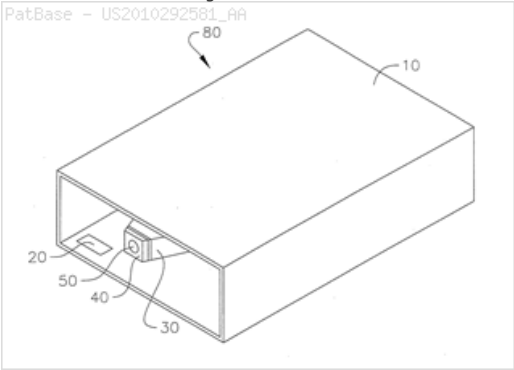
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Title: DYNAMIC CALIBRATION OF AN OPTICAL SPECTROMETER

Abstract: A dynamically calibrating optical spectrometer and method for dynamically calibrating the optical spectrometer are provided. The optical spectrometer may include a band-pass device and a device that scans, such that a scan window can be widened, and the edges of the band-pass device can be used to calibrate out drifts in the system. The optical spectrometer may be for acquiring and analyzing a spectroscopic sample of an analyte from a sampling region of the tissue of a person. The optical spectrometer includes a tunable source of electromagnetic radiation, a probe for delivering the electromagnetic radiation to the tissue at the sampling region and obtaining a diffuse reflectance signal from the tissue at the sampling region, a spectroscopic detector for analyzing the diffuse reflectance signal for presence of the analyte, and a wavelength calibration detector for calibrating the tunable source of electromagnetic radiation to a desired wavelength.

Classifications:

International (IPC 8-9): A61B6/00 G01J3/28 (Advanced/Invention)
CPC: G01N21/276 G01J3/0205 G01J3/0218 G01J3/0232 G01J3/0264 G01J3/027 G01J3/0272 G01J3/0291 G01J3/10 G01J3/26 G01J3/28 G01N21/359 G01N21/4738
European: G01J3/02B G01J3/02B5 G01J3/02B9 G01J3/02E G01J3/02G G01J3/02H G01J3/02R G01J3/10 G01J3/26 G01J3/28 G01N21/27E2 G01N21/47F S01N21/35G
US: 356/326 356/326S 600/476 600/476P



Family:

Publication number	Publication date	Application number	Application date
US2010292581 AA	20101118	US20100779926	20100513

Priority:

US20090178002P 20090513 US20100779926 20100513

Probable Assignee: AFFIRMED TECHNOLOGIES LLC
Assignee(s): (std): HOWARD PETER GUY ; WHITE STEVE C
Assignee(s): AFFIRMED TECHNOLOGIES LLC ; ALL PROTECT LLC
Inventor(s): (std): HOWARD PETER GUY ; WHITE STEVE C
Agent(s): CHRISTIE PARKER AND HALE LLP

Title: ION DETECTING DEVICE

Abstract: The present invention provides a small-sized ion detecting device that quickly and simply performs mass analysis under atmospheric pressure. Accordingly, electrodes are arranged and held in the ion detecting device so as to be able to detect water clusters in ambient air with a high sensitivity. Thereby, ions can be detected even in a spatially-restricted place.

Classifications:**International (IPC 8-9):** G01N27/60 G01N27/62 G01N33/497

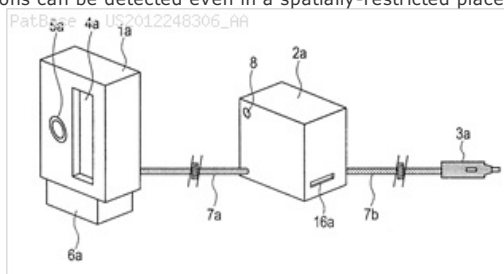
G01N33/98 H01J49/00 H01J49/04 (Advanced/Invention);

G01N15/06 (Advanced/Non-invention)

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2G041/FA05 2G041/GA13 2G041/GA19 2G045 2G045/CB22

2G045/DA74 2G045/DB22 2G045/GC20 2G045/JA01

JP F-Index: G01N27/60/D G01N27/62/Z G01N33/497/A G01N33/98**Family:**

Publication number	Publication date	Application number	Application date
JP2012215484 A2	20121108	JP20110081384	20110401
JP5767843 B2	20150819	JP20110081384	20110401
US2012248306 AA	20121004	US20120429910	20120326
US8921776 BB	20141230	US20120429910	20120326

Priority:

JP20110081384 20110401

Probable Assignee: HITACHI LTD**Assignee(s):** (std): HITACHI LTD ; SAKAIRI MINORU**Inventor(s):** (std): SAKAIRI MINORU**Agent(s):** INOUE MANABU; CROWELL AND MORING LLP

Title: EXTREMELY LOW RESISTANCE COMPOSITIONS AND METHODS FOR CREATING SAME

Abstract: The invention pertains to creating new extremely low resistance (ELR) materials, which may include high temperature superconducting (HTS) materials. In some implementations of the invention, an ELR material may be modified by depositing a layer of modifying material onto the ELR material to form a modified ELR material. The modified ELR material has improved operational characteristics over the ELR material alone. Such operational characteristics may include operating at increased temperatures or carrying additional electrical charge or other operational characteristics. In some implementations of the invention, the ELR material is a cuprate-perovskite, such as, but not limited to BSSCO. In some implementations of the invention, the modifying material is a conductive material that bonds easily to oxygen, such as, but not limited to, chromium.

Classifications:

International (IPC 8-9): C04B35/45 F16C32/04 G01B7/16 G01D5/16 G01F1/34 G01F1/69 G01F23/22 G01H11/06 G01J1/42 G01K7/00 G01K7/16 G01L1/18 G01L21/12 G01L9/06 G01L9/14 G01N27/12 G01N27/22 G01N27/414 G01P15/08 G01P15/09 G01R33/035 G01R33/28 H01B12/00 H01B12/02 H01F36/00 H01F6/00 H01F6/06 H01L H01L21/822 H01L27/04 H01L39/00 H01L39/02 H01L39/12 H01L39/14 H01L39/16 H01L39/22 H01L39/24 H01M2/20 H02K3/02 H02K55/00 (Advanced/Invention);

G01K G01L G01R H01L (Subclass/Invention)

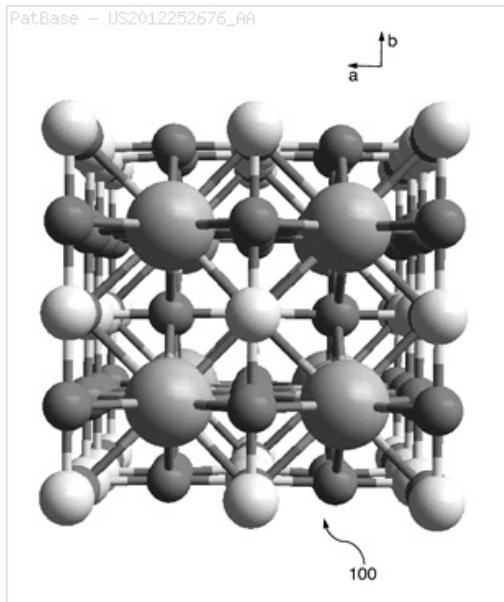
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European: H01L39/12C H01L39/24J4

US: 1/1 252/500 427/62 428/457 428/471 428/702 505/100 505/121 505/150 505/236 505/237 505/470

JP F-Term: 4M113 4M113/AA23 4M113/AA24 4M113/AA29 4M113/AA37 4M113/AC07 4M113/AC25 4M113/AC44 4M113/BA08 4M113/BA12 4M113/BA14 4M113/BA15 4M113/BA18 4M113/BA21 4M113/BA26 4M113/BA28 4M113/CA33 4M113/CA34 4M113/CA35 4M113/CA36 4M113/CA44 4M114 4M114/AA14 4M114/BB04 4M114/BB10 4M114/CC03 4M114/CC18 5F038 5F038/AV03 5F038/BH01 5F038/BH13 5F038/BH19 5F038/CA01 5F038/CA03 5F038/CA10 5F038/CD02 5F038/CD06 5F038/CD09 5F038/CD12 5F038/CD13 5F038/CD18 5F038/DF02 5F038/DF04 5F038/DF05 5F038/DF08 5F038/EZ20 4M113/AA01 4M113/AA06 4M113/AA16 4M113/AA52 4M113/AC08 4M113/AC22 4M113/CA16 4M113/CA31 4M114/AA15 4M114/BB08 4M114/BB09 5E064 5E066 5E068 5G321 5G321/AA01 5G321/AA04 5G321/BA03 5G321/BA04 5G321/BA05 5G321/BA07 5G321/BA08 5G321/BA10 5G321/CA20 5G321/CA24

JP F-Index: H01L27/04/D H01L39/02/D H01L39/12/C H01L39/22/A H01L39/22/K H01B12/04 H01B12/06 H01F36/00 H01F5/08/B H01F6/06/110 H01F6/06/140 H01F7/22/C H01L39/16



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: AMBATURE INC

Assignee(s): (std): AMBATURE LLC ; CALE TIMOTHY S ; GREENLAND PAUL ; COPPA BRIAN ; NORTH FORREST ; HANNA JOEL PATRICK ; SHTEYN YEVGENIY EUGENE ; GILBERT DOUGLAS J ; SHTEYN Y EUGENE ; NORTH FORREST J ; COPPA BRIAN J ; EMBACHER INK ; SMITH MICHAEL J ; AMBATURE INC

Assignee(s): AMBATURE INC5235 S. 39TH STREETPHOENIXAZ85040US ; AHRE INVESTMENTS LLC ET AL

Inventor(s): (std): CALE TIMOTHY S ; COPPA BRIAN ; COPPA BRIAN J ; GILBERT DOUGLAS J ; GILBERT DUGLAS DZH ; GREENLAND PAUL ; GRINLEND POL ; HANNA JOEL PATRICK ; KHANNA DZHOEL PATRIK ; KOPPA BRAJAN ; NORT FORREST ; NORTH FORREST ; NORTH FORREST J ; SHTEJN EVGENIJ YUDZHIN ; SHTEYN Y EUGENE ; SMITH MICHAEL J ; YEVGENIY EUGENE SHTEYN ; SHTEYN YEVGENIY EUGENE ; SMIT MAJKL DZH ; PAUL GREENLAND ; MICHAEL J SMITH ; JOEL PATRICK HANNA ; FORREST J NORTH ; DOUGLAS J GILBERT ; BRIAN J COPPA

Inventor(s): COPPA BRIANUS ; HANNA JOEL PATRICKUS ; GREENLAND PAULUS ; GILBERT DOUGLAS JUS ; NORTH FORRESTUS ; SMITH MICHAEL ; SMITH MICHAEL JUS ; SHTEYN YEVGENIY EUGENEUS ; SHTEYN YEVGENIY ; HANNA JOEL ; GILBERT DOUGLAS

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; GOWLING LAFLEUR HENDERSON LLP; BECK SIMON ANTONY; REINHOLD COHN AND PARTNERS; TANI AND ABE PC; WOMBLE CARLYLE SANDRIDGE AND RICE LLP; TOERING PATENTS PLLC; TOERING RICK A

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: LOW TEMPERATURE SOLID OXIDE CELLS

Abstract: The present invention provides solid oxide cells such as fuel cells, electrolyzers, and sensors comprising an electrolyte having an interface between an yttria-stabilized zirconia material and a glass material, in some embodiments. Other embodiments add an interface between a platinum oxide material and the yttria-stabilized zirconia material in the electrolyte. Further embodiments of solid oxide cells have an ion-conducting species such as an ionic liquid or inorganic salt in contact with at least one electrode of the cell. Certain embodiments provide room temperature operation of solid oxide cells.

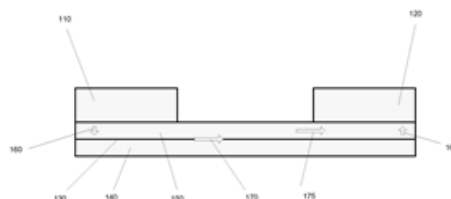
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US: 429/490

PatBase - US2016149249_AA



Family:

Publication number	Publication date	Application number	Application date
EP3022792 A1	20160525	EP20140826675	20140714
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Priority:

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Probable Assignee: FCET LLC

Assignee(s): (std): FCET INC ; FCET LLC

Inventor(s): (std): DEININGER MARK A ; POZVONKOV MIKHAIL

Agent(s): KLIMENT AND HENHAPEL; JEREMY M; THRIVE IP R; STIPKALA JEREMY M

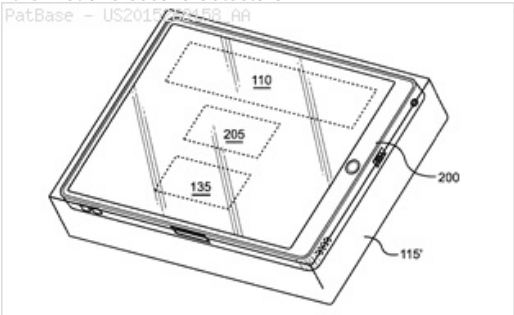
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW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

Title: GAS SENSOR AND METHOD FOR SENSING PRESENCE OF ETHANOL VAPOR IN A CABIN

Abstract: A gas sensor for sensing a presence of ethanol vapor in a cabin includes a source of infrared radiation, a first detector configured to receive infrared radiation from the source in a first region of the electromagnetic spectrum and a second detector for detecting a parameter, such as an amount of radiation received from the source in a second region of the electromagnetic spectrum, a temperature of the source and/or an amount of a second gas present in the cabin, affecting the amount of infrared radiation detected by the first detector. With this data, the presence of ethanol vapor in a cabin is established by an output of the gas sensor based on signals from both the first and second detectors.

Classifications:

International (IPC 8-9): G01N21/3504
G01N33/00 (Advanced/Invention)
CPC: G01N21/3504 G01N33/0047 G01N2201/1211
US: 250/349



Family:

Publication number	Publication date	Application number	Application date
US2015268158 AA	20150924	US20150661494	20150318

Priority:

US20140968537P 20140321	US20150661494 20150318
Probable Assignee:	BATTELLE MEMORIAL INST
Assignee(s): (std):	BATTELLE MEMORIAL INST
Inventor(s): (std):	LAUDO JOHN S

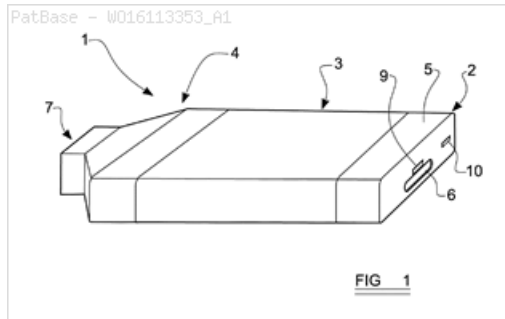
Title: A BREATH ANALYSER DEVICE AND A RELATED METHOD

Abstract: A tamper evident breath analyser device is proposed which has an inlet region and a sensor arrangement, the inlet region being configured to receive a breath sample from a test subject via an inlet port and direct the sample to the sensor arrangement, and the sensor arrangement being configured to provide a signal representative of the concentration of a volatile substance within said sample. The device is characterised in that said inlet region includes an inlet microphone adjacent said inlet port, the microphone being positioned and operable to provide an acoustic signal representative of local pressure variations arising from an air flow produced by an exhaled breath sample directed through the sample inlet port. The device further comprises a processor operable to analyse at least a portion of said acoustic signal and produce a signal indicative of an untampered breath sample in dependence on said analysis. A related tamper-evident method of analysing a breath sample is also disclosed.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/083 A61B5/087 A61B5/18 B60K28/06 G01N33/497 (Advanced/Invention)

CPC: G01N33/4972 A61B5/0836 A61B5/087 A61B5/18 B60K28/06 A61B5/082



Family:

Publication number	Publication date	Application number	Application date
GB201500640 A0	20150304	GB20150000640	20150115
GB2534173 A1	20160720	GB20150000640	20150115
GB2534173 B2	20170118	GB20150000640	20150115
WO16113353 A1	20160721	WO2016EP50674	20160114

Priority:

GB20150000640 20150115

Probable Assignee: AUTOLIV DEV

Assignee(s): (std): AUTOLIV DEV ; GESTER RAIMO ; HOEK BERTIL ; STEGGO JACOB

Assignee(s): AUTOLIV DEVELOPMENT AB

Inventor(s): (std): BERTIL HOK ; GESTER RAIMO ; HOEK BERTIL ; JACOB STEGGO ; RAIMO GESTER ; STEGGO JACOB

Agent(s): KOCH HENNING

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

Title: PEER-TO-PEER AIR ANALYSIS AND TREATMENT

Abstract: A method is disclosed comprising drawing air into a robotic vapor device, exposing the drawn air to a sensor to detect one or more constituents in the drawn air, determining first measurement data for the one or more constituents of the drawn air via the sensor, transmitting the first measurement data to a one or more of a plurality of vapor devices via a peer-to-peer network, receiving second measurement data from the one or more of the plurality of vapor devices via the peer-to-peer network, determining one or more vaporizable materials to vaporize based on the first measurement data and the second measurement data, and dispensing a vapor comprised of the one or more vaporizable materials.

Classifications:

International (IPC 8-9): B01D46/00 B01D46/42 B01D46/44
B01D46/46 B01F3/04 B03C3/34 G01N33/00

G05D7/06 (Advanced/Invention);

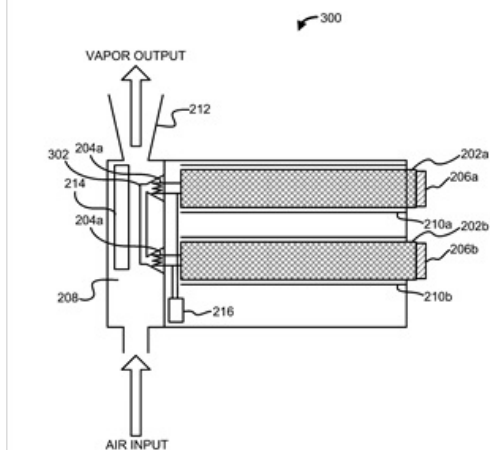
A24F47/00 H04L29/08 (Advanced/Non-invention)

CPC: G01N33/0036 G01N33/0011 A24F47/008 H04L67/104

G05D7/0676 B01F3/04 B01F3/0407 H04L67/12

US: 95/8

PatBase - US2016361678_AH

**Family:**

Publication number	Publication date	Application number	Application date
US2016361678 AA	20161215	US20160180693	20160613
US2018173251 AA	20180621	US20180888337	20180205
US9933790 BB	20180403	US20160180693	20160613

Priority:

US20150175655P 20150615

US20160180693 20160613

US20180888337 20180205

Probable Assignee: LUNATECH LLC

Assignee(s): (std): LUNATECH LLC

Inventor(s): (std): BLACKLEY JONATHAN SEAMUS

Agent(s): HANKIN PATENT LAW APC; SERGIO; SUSAN L

Title: TRANSPORTATION VEHICLE AIR DETECTION AND AUGMENTATION SYSTEM

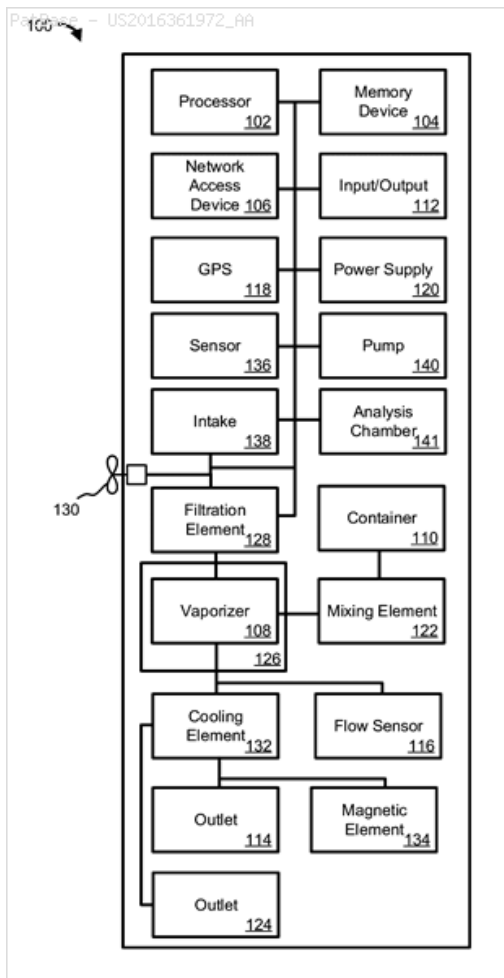
Abstract: A method is disclosed comprising drawing air into a robotic vapor device, exposing the drawn air to a sensor to detect one or more constituents in the drawn air, determining measurement data for the one or more constituents of the drawn air via the sensor, receiving a parameter from a transportation vehicle system, determining one or more vaporizable materials to vaporize based on the measurement data and the parameter, and dispensing a vapor comprised of the one or more vaporizable materials from the robotic vapor device.

Classifications:

International (IPC 8-9): B60H1/00 B60H1/24 B60H1/34 B60H3/00 B64D13/06 (Advanced/Invention)

CPC: B60H2003/005 B64D2013/0651 B60H1/008 B60H3/0035 B60H1/00785 B60H1/247 B60H1/34 B60H3/0007 B60H3/0071 B60H3/0078 B60H3/0085

US: 701/36



Family:

Publication number	Publication date	Application number	Application date
US2016361972 AA	20161215	US20160182044	20160614
US9981532 BB	20180529	US20160182044	20160614

Priority:

US20150175799P 20150615 US20160182044 20160614

Probable Assignee: LUNATECH LLC

Assignee(s): (std): LUNATECH LLC

Inventor(s): (std): BLACKLEY JONATHAN SEAMUS

Agent(s): HANKIN PATENT LAW APC; SERGIO; SUSAN L

Title: BREATH ANALYZER

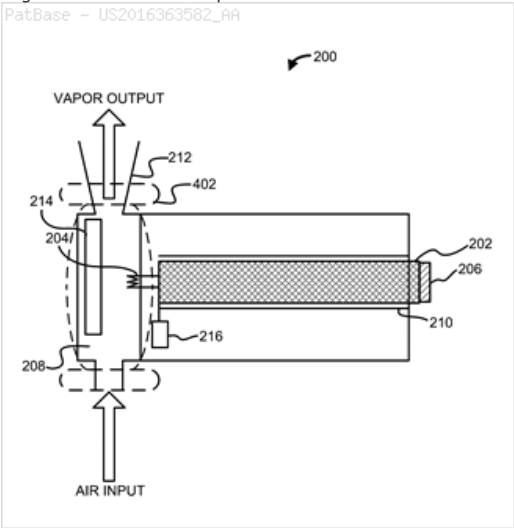
Abstract: A method is disclosed comprising receiving air exhaled by a user into a breath analysis apparatus, exposing the received air to a sensor, collecting data from the sensor regarding one or more constituents in the received air, analyzing the data to determine an analysis result, determining one or more vaporizable materials to vaporize based on the analysis result, and dispensing a vapor from the breath analysis apparatus by vaporizing the one or more vaporizable materials.

Classifications:

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

CPC: G01N33/497

US: 73/23.3



Family:

Publication number	Publication date	Application number	Application date
US2016363582 AA	20161215	US20160180673	20160613

Priority:

US20150174972P 20150612 US20160180673 20160613

Probable Assignee: LUNATECH LLC

Assignee(s): (std): LUNATECH LLC

Inventor(s): (std): BLACKLEY JONATHAN SEAMUS

Title: VAPOR PROCESSING AND ANALYZING DEVICE AND SYSTEM

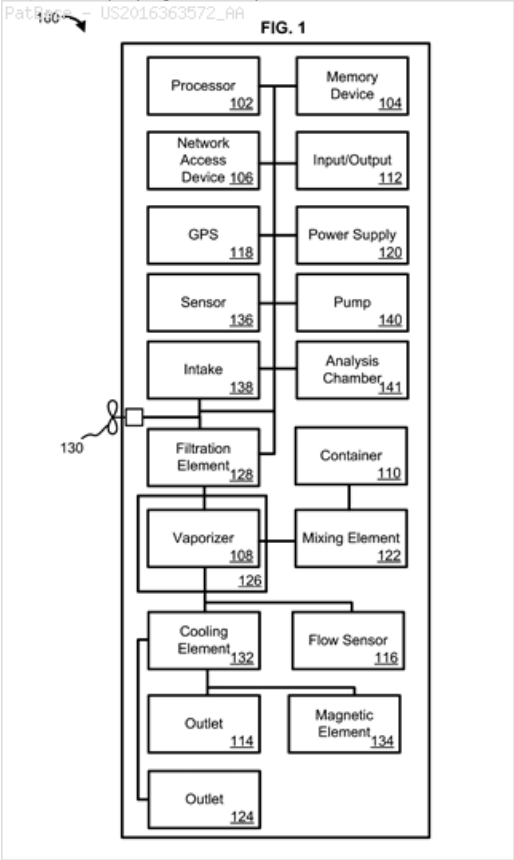
Abstract: A method is disclosed comprising exposing air to a sensor, collecting data from the sensor regarding one or more constituents in the air, analyzing the data to determine an analysis result, and displaying the analysis result.

Classifications:

International (IPC 8-9): G01N33/00 G01N33/15 (Advanced/Invention)

CPC: G01N33/0036 G01N33/15

US: 73/23.31



Family:

Publication number	Publication date	Application number	Application date
US2016363572 AA	20161215	US20160182037	20160614

Priority:

US20150175677P 20150615 US20160182037 20160614

Probable Assignee: LUNATECH LLC

Assignee(s): (std): LUNATECH LLC

Inventor(s): (std): BLACKLEY JONATHAN SEAMUS

Title: LOCALIZED AIR SENSING AND TREATMENT

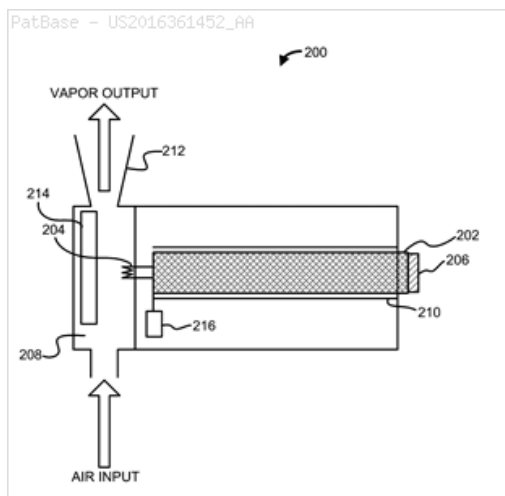
Abstract: A system is disclosed comprising a plurality of vapor devices and a computing device, in communication with the plurality of vapor devices, configured for, receiving sensor data and locations from each of the plurality of vapor devices, determining one or more vaporizable materials to be vaporized by each of the plurality of vapor devices based on the sensor data and the locations, and transmitting an instruction to each of the plurality of vapor devices to vaporize the determined one or more vaporizable materials.

Classifications:

International (IPC 8-9): A61L9/12 F24F11/00 F24F13/28 F24F3/16 G05B15/02 G05D7/06 (Advanced/Invention)

CPC: A61L2209/111 A61L2209/14 F24F2003/1689 A24F47/008 A61L9/032 A61L9/035 A61L9/037 A61L9/14 A61L9/16 A61L9/20 A61L2209/11 A61L2209/12 A61L2209/132 A61L2209/134 H04M1/72533 F24F11/30 F24F11/56 F24F11/63 F24F2110/10 F24F2110/50 F24F3/16

US: 700/282



Family:

Publication number	Publication date	Application number	Application date
US2016361452 AA	20161215	US20160180700	20160613

Priority:

US20150175664P 20150615

US20160180700 20160613

Probable Assignee:

LUNATECH LLC

Assignee(s): (std):

LUNATECH LLC

Inventor(s): (std):

BLACKLEY JONATHAN SEAMUS

Title: ELECTRONIC VAPOR AND ANALYSIS WITH HVAC INTEGRATION

Abstract: A method is disclosed comprising drawing air into a robotic vapor device from an airstream of a heating, ventilation, and air conditioning (HVAC) system, exposing the drawn air to a sensor to detect one or more constituents in the drawn air, determining measurement data for the one or more constituents of the drawn air via the sensor, determining one or more vaporizable materials to vaporize based on the measurement data, transmitting an instruction to the HVAC system to continue providing the airstream, and dispensing a vapor comprised of the one or more vaporizable materials into the airstream.

Classifications:

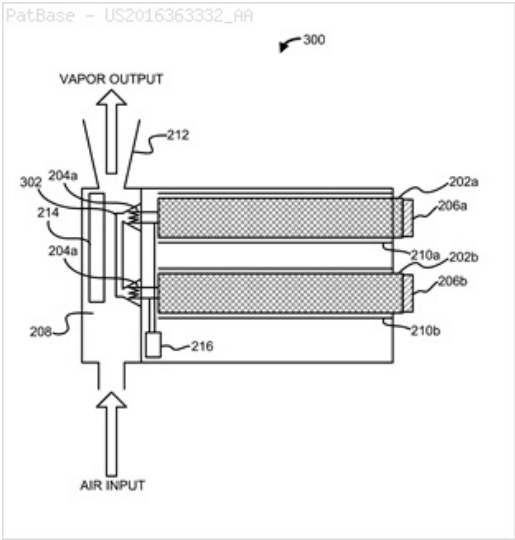
International (IPC 8-9): F24F11/00 F24F3/16

G05B15/02 (Advanced/Invention)

CPC: F24F3/16 F24F3/1603 F24F2003/1689 F24F2003/1614

F24F11/30 F24F11/56 Y02A50/21 F24F2110/50

US: 700/276



Family:

Publication number	Publication date	Application number	Application date
US2016363332 AA	20161215	US20160180888	20160613

Priority:

US20150175990P 20150615 US20160180888 20160613

Probable Assignee: LUNATECH LLC

Assignee(s): (std): LUNATECH LLC

Inventor(s): (std): BLACKLEY JONATHAN SEAMUS

Title: VAPOR DEVICE FOR STRESSING AND ANALYZING COMPOUNDS

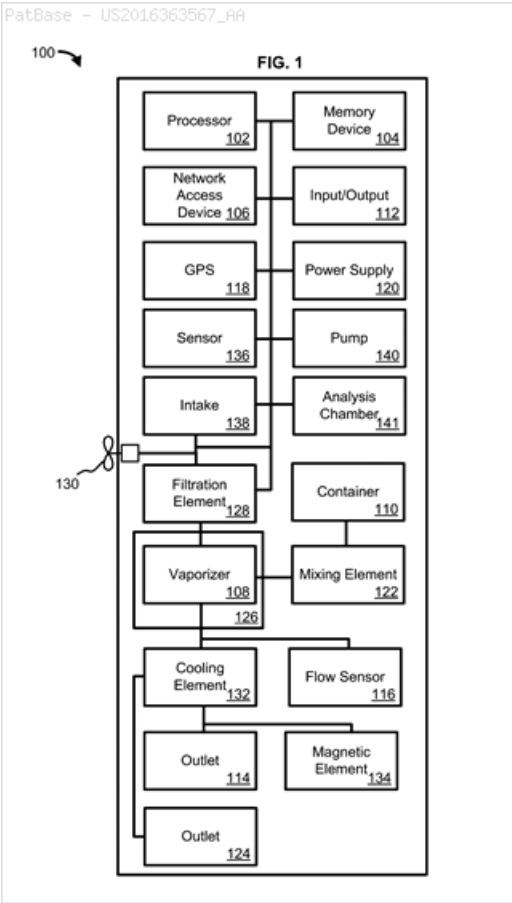
Abstract: A method is disclosed comprising receiving a sample in an analysis chamber, vaporizing one or more vaporizable stressor materials to create a vapor, exposing the sample to the vapor to create a test sample, collecting measurement data from a sensor regarding the test sample, analyzing the measurement data to determine an analysis result, and displaying the analysis result.

Classifications:

International (IPC 8-9): G01N30/72 (Advanced/Invention)

CPC: G01N33/0011 A24F47/008 G01N33/493

US: 250/282



Family:

Publication number	Publication date	Application number	Application date
US2016363567 AA	20161215	US20160182971	20160615

Priority:

US20150175555P 20150615 US20160182971 20160615

Probable Assignee: LUNATECH LLC

Assignee(s): (std): LUNATECH LLC

Inventor(s): (std): BLACKLEY JONATHAN SEAMUS

Title: VAPOR DEVICE FOR FILTERING AND TESTING MATERIAL

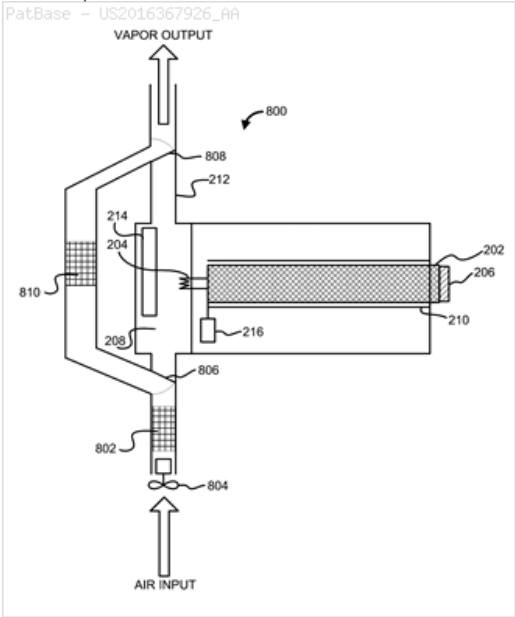
Abstract: A method is disclosed comprising drawing air into a robotic vapor device, exposing the drawn air to a sensor to detect one or more constituents in the drawn air, determining measurement data for the one or more constituents of the drawn air via the sensor, and engaging a filtration component in the robotic vapor device based on the measurement data.

Classifications:

International (IPC 8-9): B01D39/08 B01D46/00 B01D46/42
B01D46/44 B01D46/46 B01F3/04 G05D7/06 (Advanced/Invention)

CPC: B01D39/08 G05D7/0676 B01F3/04007 B01F3/0407
G05D7/0688

US: 95/8



Family:

Publication number	Publication date	Application number	Application date
US2016367926 AA	20161222	US20160184505	20160616
US2018217617 AA	20180802	US20180935907	20180326
US10042369 BB	20180807	US20160184505	20160616

Priority:

US20150180441P 20150616 US20160184505 20160616 US20180935907 20180326

Probable Assignee: LUNATECH LLC

Assignee(s): (std): LUNATECH LLC

Inventor(s): (std): BLACKLEY JONATHAN SEAMUS

Agent(s): MCCAIN SUSAN L; BECERRA SERGIO; HANKIN PATENT LAW APC

Title: AIR ANALYZER, TREATMENT AND PEER NETWORKING APPARATUS

Abstract: In an aspect a method is disclosed comprising drawing air into a robotic vapor device, exposing the drawn air to a sensor to detect one or more constituents in the drawn air, determining first measurement data for the one or more constituents of the drawn air via the sensor, transmitting the first measurement data to a computing device via a network, receiving second measurement data from the computing device via the network, determining one or more vaporizable materials to vaporize based on the first measurement data and the second measurement data, and dispensing a vapor comprised of the one or more vaporizable materials.

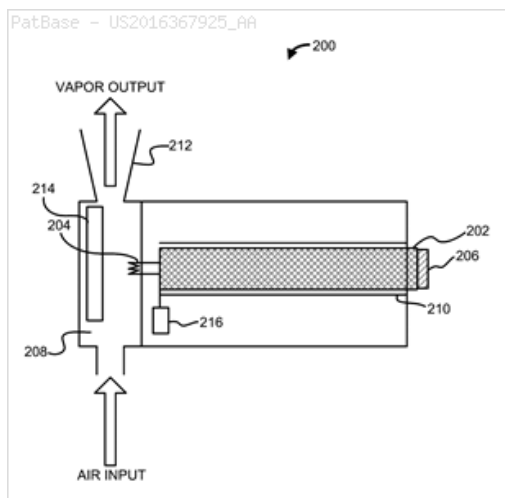
Classifications:

International (IPC 8-9): B01D39/08 B01D46/00 B01D46/42

B01D46/44 B01D46/46 G05D7/06 (Advanced/Invention)

CPC: G05D7/0676 A24F47/008 G08B5/36 G08B25/08 G08B25/10

US: 95/8



Family:

Publication number	Publication date	Application number	Application date
US2016367925 AA	20161222	US20160184433	20160616
US2018217616 AA	20180802	US20180935810	20180326

Priority:

US20150180427P 20150616

US20160184433 20160616

US20180935810 20180326

Probable Assignee:

LUNATECH LLC

Assignee(s): (std):

LUNATECH LLC

Inventor(s): (std):

BLACKLEY JONATHAN SEAMUS

Title: REMOTE CONTROLLABLE AIR TREATMENT APPARATUS

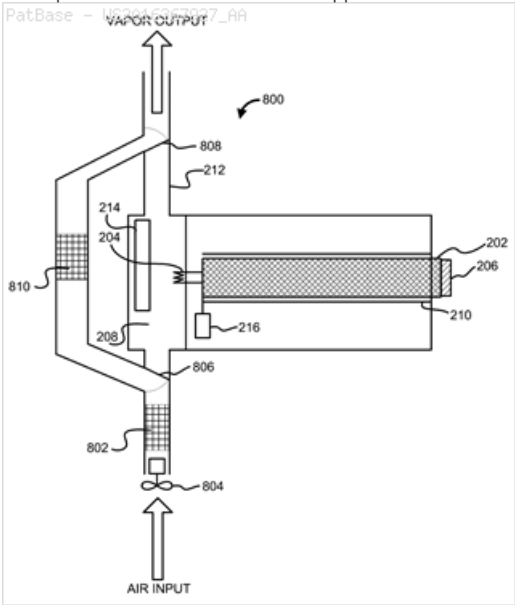
Abstract: In an aspect, an apparatus is disclosed comprising a processor, coupled to a network access device, wherein the processor is configured for receiving an instruction to vaporize one or more vaporizable materials from a computing device, an intake, configured to receive air from an area around the apparatus, a vaporizer component, coupled to the processor, configured for vaporizing the one or more vaporizable materials to create a vapor based on the instruction, and a vapor output, coupled to the vaporizer component, configured for expelling the vapor into the area around the apparatus.

Classifications:

International (IPC 8-9): B01D39/08 B01D46/00 B01D46/42
B01D46/44 B01D46/46 B01F3/04 G05D7/06 (Advanced/Invention)

CPC: B01D39/08 B01F3/04007 B01F3/0407

US: 95/8



Family:

Publication number	Publication date	Application number	Application date
US2016367927 AA	20161222	US20160185135	20160617
US2018214805 AA	20180802	US20180938308	20180328

Priority:

US20150181109P 20150617 US20160185135 20160617 US20180938308 20180328

Probable Assignee:

LUNATECH LLC

Assignee(s): (std):

LUNATECH LLC

Inventor(s): (std):

BLACKLEY JONATHAN SEAMUS

Title: LONGITUDINAL HEALTH AND PREDICTIVE MODELING FROM AIR ANALYZER AND TREATMENT SYSTEM

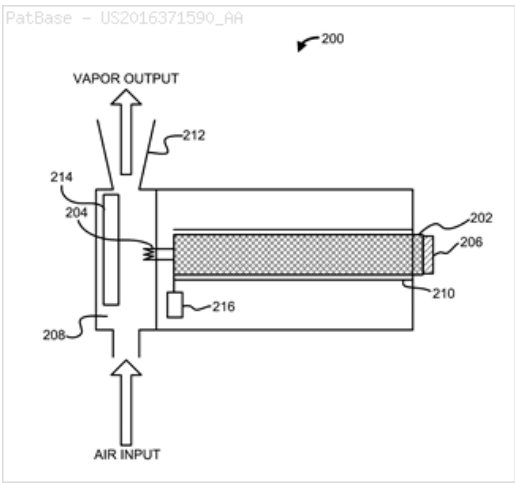
Abstract: A method is disclosed comprising receiving first data from a vapor device regarding one or more constituents contained in a breath of a user, storing the first data with second data regarding one or more constituents contained in the breath of the user, performing a trend analysis on the first data and the second data to determine a trend of presence of the one or more constituents in the breath of the user over time, determining an impact of the trend on health of the user, determining a dosing regimen of one or more vaporizable materials for the user to inhale, and transmitting the dosing regimen to the vapor device.

Classifications:

International (IPC 8-9): G01N33/497 G06N5/04 (Advanced/Invention)

CPC: G06N5/04 G01N33/497 G01N2033/4975

US: 706/46



Family:

Publication number	Publication date	Application number	Application date
US2016371590 AA	20161222	US20160184490	20160616

Priority:

US20150180413P 20150616 US20160184490 20160616

Probable Assignee: LUNATECH LLC

Assignee(s): (std): LUNATECH LLC

Inventor(s): (std): BLACKLEY JONATHAN SEAMUS

Title: VAPOR DEVICE FOR SECURITY SCREENING

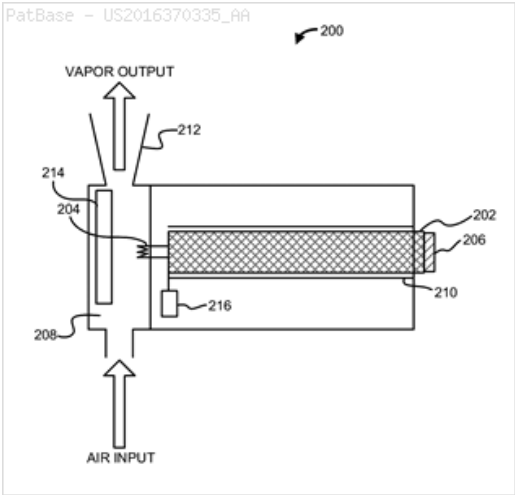
Abstract: A method is disclosed comprising scanning a subject to identify a material, receiving at least a particle of the material, dispensing a vapor onto the at least a particle of the material by vaporizing one or more vaporizable materials, exposing the at least a particle of the material to a sensor, collecting data from the sensor regarding one or more constituents in the at least a particle of the material, analyzing the data to determine an analysis result representing a screening status of the subject, and displaying the screening status.

Classifications:

International (IPC 8-9): C12Q1/04 C12Q1/70 G01N33/00 G01V5/00 (Advanced/Invention)

CPC: G01N33/0013 C12Q1/04 C12Q1/70

US: 435/5



Family:

Publication number	Publication date	Application number	Application date
US2016370335 AA	20161222	US20160184440	20160616

Priority:

US20150180416P 20150616 US20160184440 20160616

Probable Assignee:

LUNATECH LLC

Assignee(s): (std):

LUNATECH LLC

Inventor(s): (std):

BLACKLEY JONATHAN SEAMUS

Title: ANALYSIS SYSTEM FOR BIOLOGICAL COMPOUNDS, AND METHOD OF OPERATION

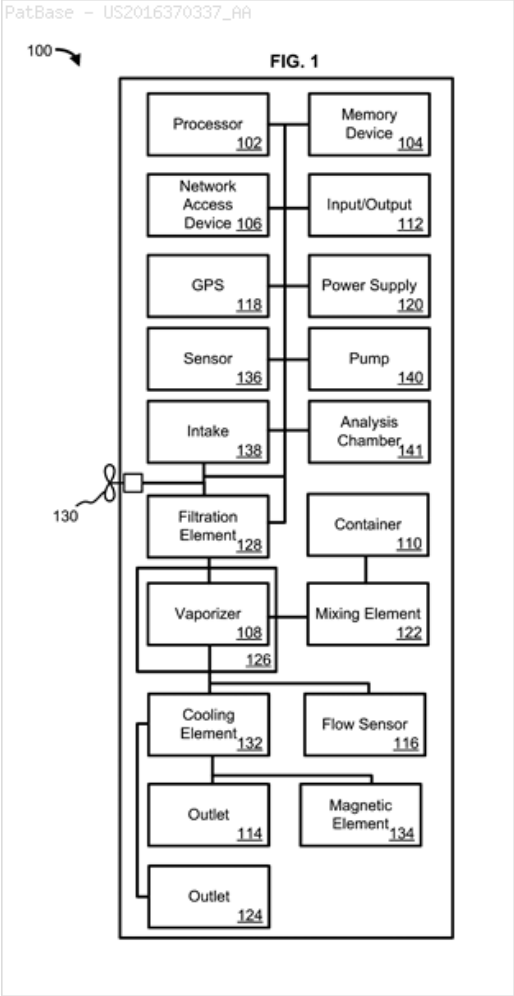
Abstract: An apparatus is disclosed comprising an intake, configured to receive an emission from a material, a sensor, coupled to the intake, configured for detecting one or more constituents in the emission, a processor, configured for, collecting data from the sensor regarding the one or more constituents, and analyzing the data to determine an analysis result, and a display device, coupled to the processor, configured for displaying the analysis result.

Classifications:

International (IPC 8-9): G01N1/44 G01N33/00 (Advanced/Invention)

CPC: G01N33/0036 G01N1/38 G01N1/44 G01N35/00871

US: 73/23.31



Family:

Publication number	Publication date	Application number	Application date
US2016370337 AA	20161222	US20160184450	20160616

Priority:

US20150180516P 20150616 US20160184450 20160616

Probable Assignee: LUNATECH LLC

Assignee(s): (std): LUNATECH LLC

Inventor(s): (std): BLACKLEY JONATHAN SEAMUS

Title: SYSTEMS AND METHODS FOR ANALYZING PHARMACEUTICALS

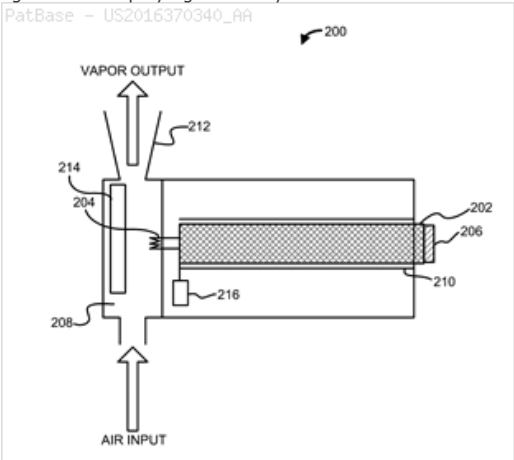
Abstract: An apparatus is disclosed comprising an intake, configured to receive an emission from a pharmaceutical, a sensor, coupled to the intake, configured for detecting one or more constituents in the emission, a processor, configured for, collecting data from the sensor regarding the one or more constituents, and analyzing the data to determine an analysis result, and a display device, coupled to the vaporizer component, configured for displaying the analysis result.

Classifications:

International (IPC 8-9): G01N33/00 G01N33/15 (Advanced/Invention)

CPC: G01N33/15 G01N33/0004

US: 73/23.2



Family:

Publication number	Publication date	Application number	Application date
US2016370340 AA	20161222	US20160184467	20160616

Priority:

US20150180507P 20150616 US20160184467 20160616

Probable Assignee: LUNATECH LLC

Assignee(s): (std): LUNATECH LLC

Inventor(s): (std): BLACKLEY JONATHAN SEAMUS

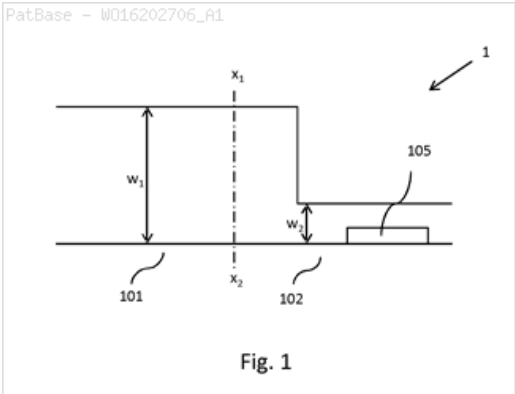
Title: GAS SENSING APPARATUS

Abstract: There is provided a gas sensing apparatus for sensing a target gas, the gas sensing apparatus comprising: a first (601), a second (602) and a third (603) duct portion, the second duct portion (602) having a smaller cross-sectional area such that the flow speed of the gas is increased on entering the second duct portion (602) from the first (601) or the third (603) duct portion, wherein a gas sensor (650) is adapted to sense the target gas in the gas passing through the second duct portion (602).

Classifications:

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

CPC: G01N33/0016



Family:

Publication number	Publication date	Application number	Application date
WO16202706 A1	20161222	WO2016EP63412	20160612

Priority:

EP20150172849 20150619

Probable Assignee: PHILIPS KONINKLL NV

Assignee(s): (std): PHILIPS KONINKLL NV

Inventor(s): (std): BOUMA PETER HERMANUS ; MARRA JOHAN

Agent(s): TASSIGNON TOM ET AL

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

Title: SYSTEM AND METHOD FOR A BIOSENSOR MONITORING AND TRACKING BAND

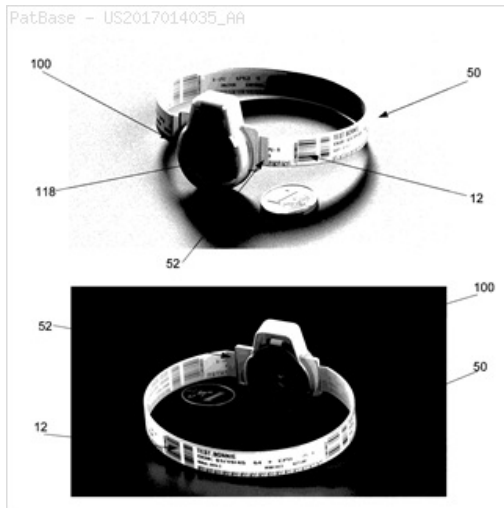
Abstract: A health care band operably attaches a biosensor to a patient. The biosensor includes one or more sensors for collecting vitals of a patient and a wireless transmitter that is configured to communicate with an EMR network that stores and maintains an EMR of the patient. The biosensor stores a unique identification associated with the patient's EMR such that vitals measured by the biosensor may be transmitted with the patient's unique identification for storage in the patient's EMR. The sensors in the biosensor may include a thermometer, motion detector/accelerometer, pulse detector and oximeter, etc. In an embodiment, one of the sensors in the biosensor includes a photoplethysmography (PPG) based sensor that may be configured to continuously or periodically measure a patient's vitals, such as heart rate, pulse, blood oxygen levels, blood glucose or insulin levels, or other blood analytics in vitro.

Classifications:

International (IPC 8-9): A24F47/00 A61B5/00 A61B5/01 A61B5/02 A61B5/0205 A61B5/024 A61B5/04 A61B5/06 A61B5/11 A61B5/117 A61B5/145 A61B5/1455 A61B5/1459 A61B5/1464 A61B5/1495 A61B90/96 A61M11/00 A61M11/04 A61M15/00 A61M5/142 A61M5/145 A61M5/158 A61M5/172 A61M5/32 G06F19/00 (Advanced/Invention); A61B5/021 A61B5/024 A61B5/08 A61B5/11 A61B5/145 A61M5/145 (Advanced/Non-invention)

CPC: A61M5/1723 A61M5/14248 A61M2230/42 A61M2230/30 A61M2230/06 A61M2230/63 A61M2205/3584 A61M2230/20 A61M2205/3306 A61M2205/8268 A61M2205/8206 A61M2205/52 A61M2230/50 A61M2205/502 A61B5/021 A61B5/1118 A61B5/14551 A61M5/145 A61M5/3298 A61B2560/0223 A61B5/7225 A61B5/04 A61B5/0261 A61B5/0816 A61B5/4839 A61B5/4848 A61B5/681 A61B5/6833 A61B5/1113 A61B5/6829 A61B2562/08 A61B90/98 A61M2205/3553 A61M11/041 A61M15/0021 A61M15/0028 A24F47/00 A61M2205/3379 A61M2206/14 A61M2230/005 A61M2230/04 A61B5/02427 A61B5/02 A61B5/7278 A61B5/742 A61B5/4845 A61B5/1495 A61B5/02438 A61B5/7275 A61B5/0002 A61B5/6826 A61B5/743 A61B5/087 A61B5/682 A61B5/725 A61B2560/0228 A61B5/6832 A61B5/0075 A61B2560/0214 A61B90/96 G16H40/63 A61B5/0008 A61B5/002 A61B5/02055 A61B5/024 A61B5/117 A61B5/6823 A61B5/6824 A61B5/6825 A61M11/042 A24F47/008 A61B5/00 A61M11/002 A61M11/005 A61M11/02 A61M15/0065 A61M15/0085 A61M15/06 A61M2016/0021 A61M2205/121 A61M2205/123 A61M2205/127 A61M2205/13 A61M2205/276 A61M2205/3303 A61M2205/3313 A61M2205/3317 A61M2205/3368 A61M2205/3386 A61M2205/3389 A61M2205/3569 A61M2205/3592 A61M2205/8212 A61M2230/205 G06F19/30 A61B5/0022 A61B5/01 A61B5/02416 A61B5/14532 A61B5/14546 A61B5/1455 A61B5/6817 A61M2205/505 A61B5/14552 A61B5/6816 A61B5/7246 A61B5/746 A61B5/145 G06F19/00 A61B5/0205 A61B5/6831 A61B5/7235 G16H40/67 A61M5/1452 A61B5/0004 A61B5/412

US: 600/301 600/316 604/66



Family:

Publication number	Publication date	Application number	Application date
CA2999410 AA	20180320	CA20162999410	20160925
CN108024727 A	20180511	CN201680055795	20160925
CN108024745 A	20180511	CN201680055700	20160925
EP3307145 A1	20180418	EP20160828226	20160711
EP3337390 A1	20180627	EP20160849833	20160925
EP3337394 A1	20180627	EP20160849834	20160925
EP3337397 A1	20180627	EP20160849902	20160926
IN201817009972 A	20180706	IN201817009972	20180319
US2017014035 AA	20170119	US20160275444	20160925
US2017014056 A	20170119	US20150866500	20150925
US2017014572 AA	20170119	US20160276760	20160926
US2017071550 AA	20170316	US20160275388	20160924
US2017181678 AA	20170629	US20170400916	20170106
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US2018014763 A	20180118	US20170718721	20170928
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US2018055454 AA	20180301	US20170804581	20171106
US2018116604 AA	20180503	US20170811479	20171113
US2018116605 AA	20180503	US20170859147	20171229
US2018125431 A	20180510	US20180867632	20180110
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US10039500 BB	20180807	US20180867632	20180110
WO17014981 A1	20170126	WO2016US41791	20160711
WO17053925 A1	20170330	WO2016US53631	20160925
WO17053926 A1	20170330	WO2016US53632	20160925
WO17054006 A1	20170330	WO2016US53845	20160926
WO17120615 A2	20170713	WO2017US12889	20170110

WO17120615 A3	20170810	WO2017US12889	20170110
WO18057058 A1	20180329	WO2017US23077	20170317
WO18156797 A1	20180830	WO2018US19273	20180222

Priority:

US20150194264P	20150719	US20150866500	20150925	US20160276934P	20160110
US20160307375P	20160311	US20160312614P	20160324	WO2016US41791	20160711
US20160373283P	20160810	US20160383313P	20160902	US20160275388	20160924
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WO2017US12889	20170110	US20170404117	20170111	US20170457138P	20170209
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US20180867632	20180110	US20180898580	20180217	US20180958620	20180420

Probable Assignee: SANMINA CORP

Assignee(s): (std): SANMINA CORP

Assignee(s): US BANK NATIONAL ASSOCIATION NOT IN ITS INDIVIDUAL CAPACITY BUT SOLELY NOTES COLLATERAL AGENT AS ; NEWBERRY ROBERT STEVEN

Inventor(s): (std): NEWBERRY ROBERT STEVEN ; RODENCAL MATTHEW

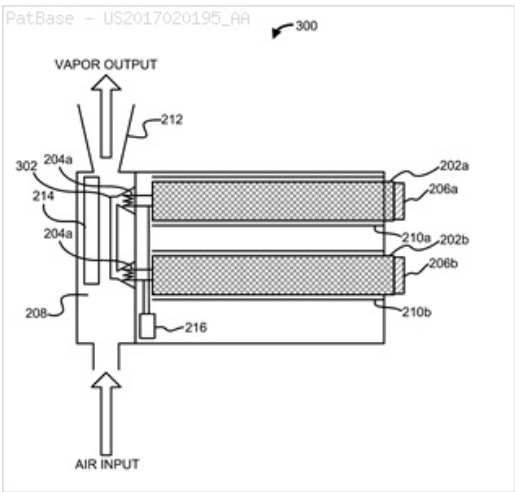
Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP; DREISS PATENTANWALTE PARTG MBB; LOZA AND LOZA LLP; JULIO; JULIO M; JESSICA W; JESSICA; LOZA JULIO; SMITH JESSICA

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

Title: ELECTRONIC VAPORIZER TESTING

Abstract: A method is disclosed comprising vaporizing a first vaporizable material by a robotic vapor device to create a vapor, exposing the first vaporizable material to a sensor to detect one or more constituents in the first vaporizable material, exposing the vapor to the sensor to detect one or more constituents in the vapor, determining measurement data for the one or more constituents of the first vaporizable material and the one or more constituents of the vapor, transmitting the measurement data to a computing device via a network, receiving an analysis result from the computing device via the network, and displaying the analysis result.

Classifications:
International (IPC 8-9): A24F47/00 G01N27/414 (Advanced/Invention)
CPC: A24F47/008
US: 392/404



Family:

Publication number	Publication date	Application number	Application date
US2017020195 AA	20170126	US20160215166	20160720

Priority:
US20150194750P 20150720 US20160215166 20160720

Probable Assignee: LUNATECH LLC

Assignee(s): (std): LUNATECH LLC

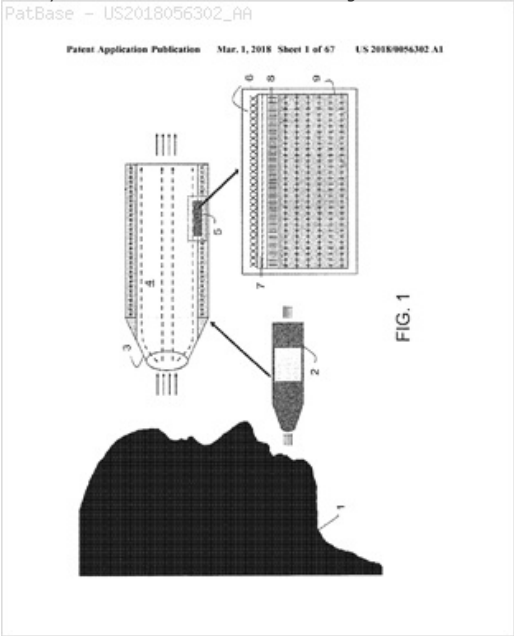
Inventor(s): (std): CAMERON JOHN

Title: SENSOR FOR ANALYTES IN A FLUID AND RELATED METHOD

Abstract: According to one aspect of the invention, the apparatus comprises a fluid collecting device configured to receive a sample of breath; a conditioning device coupled to the fluid collecting device and configured to receive the sample of breath and condition the sample with respect to at least one of temperature, flow rate, pressure, humidity, and concentration; and a sensing device coupled to the conditioning device and configured to receive the conditioned sample, wherein the sensing device includes a nanoparticle-based sensor and further whereby the analyte interacts with the sensing device to cause a change that is sensed by the sensing device and wherein the change comprises information useful in characterizing the analyte. Preferably, the apparatus is hand-held and characterizing the analyte is useful for health monitoring.

Classifications:

International (IPC 8-9): A61B10/00 A61B5/08 A61B5/097 B01L3/00 B01L9/00 (Advanced/Invention); A61B5/083 A61B5/097 B01L3/00 G01N33/497 G01N33/98 (Advanced/Non-invention)
CPC: B01L9/54 A61B5/083 B01L3/5082 B01L3/5085 B01L2300/0825 G01N33/4972 A61B5/097 B01L3/502 B01L3/52 B01L3/561 B01L2300/0663 B01L2300/0832 B01L2300/0896 B01L2300/1877 C12Q1/25 G01N33/542 G01N33/98 A61B5/082 A61B10/00 A61B2010/0087 A61B2560/0443 A61B2562/0276 A61B2562/0285



Family:

Publication number	Publication date	Application number	Application date
US2018056302 AA	20180301	US20170478539	20170404
US9643186 BA	20170509	US20110052963	20110321

Priority:

US20100315884P 20100319 US20110052963 20110321 US20170478539 20170404

Probable Assignee: INVOY HOLDINGS LLC

Assignee(s): (std): AHMAD LUBNA M ; INVOY TECH LLC ; MARTINEAU RHETT L

Assignee(s): INVOY TECHNOLOGIES LLC ; INVOY HOLDINGS LLC ; INVOY LLC

Inventor(s): (std): AHMAD LUBNA M ; MARTINEAU RHETT L

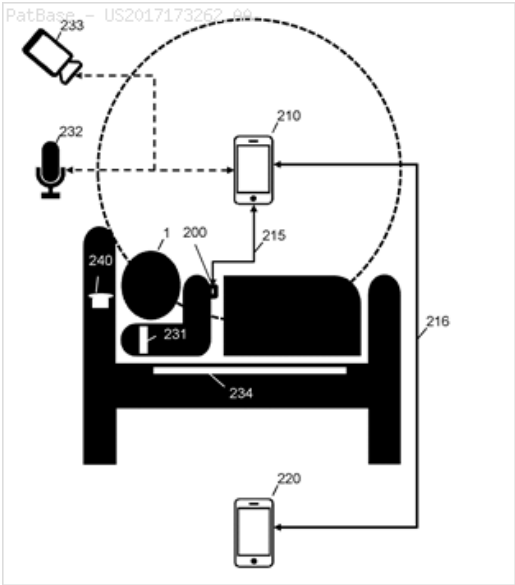
Agent(s): KNOBBE MARTENS OLSON AND BEAR LLP

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 G06F19/30 G06F19/00



Family:

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

Priority:

US20170446015 20170301

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

Title: BREATH ANALYSIS DEVICE

Abstract: Provided herein is a portable breath analysis device for analysing exhaled breathe of a subject to identify levels of gases such as oxygen and carbon dioxide. The device finds use in, for example, monitoring the health of subjects. Also provided herein are methods of analysing exhaled breath in a subject using the device.

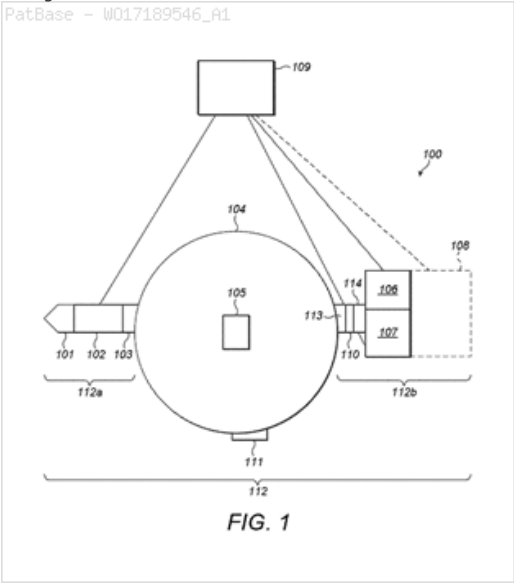
Classifications:

International (IPC 8-9): A61B5/00 A61B5/08 A61B5/083 A61B5/087

A61B5/097 A61M16/00 G01N1/02 (Advanced/Invention)

CPC: G01N2001/2244 G01N1/2226 A61B5/082 A61B5/0878

A61B5/097 G01N33/497



Family:

Publication number	Publication date	Application number	Application date
WO17189546 A1	20171102	WO2017US29358	20170425

Priority:

GB20160007272 20160426 EP20170386013 20170324

Probable Assignee: ENDO MEDICAL INC

Assignee(s): (std): ENDO MEDICAL INC

Inventor(s): (std): ATSALAKIS APOSTOLOS

Agent(s): MCNEELY RICHARD J 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 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: APPARATUS FOR VOLATILE ORGANIC COMPOUND (VOC) DETECTION

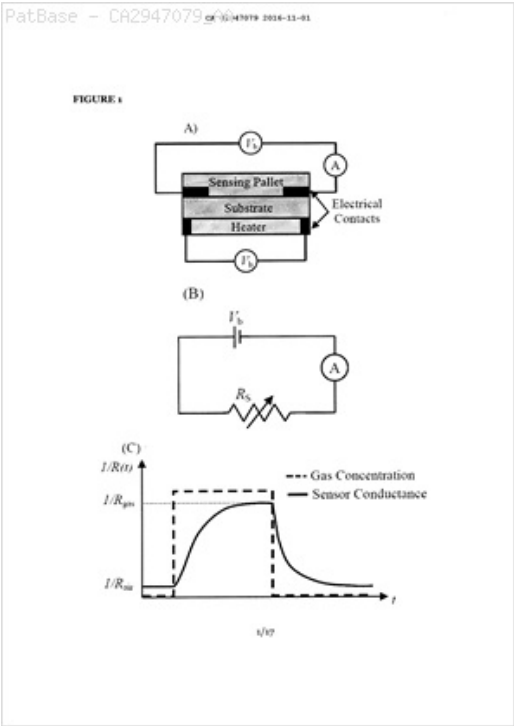
Abstract: Provided is an apparatus for the detection of volatile organic compounds (VOCs) for biological analysis, environmental testing and analytical testing. The gas detection apparatus includes: a channel having an inner surface and having at least one opening, such that the channel is optionally in fluid communication with a sample gas, the inner surface having a coating comprising: a first layer comprising a non-reactive metal or non-reactive metalloid compound; a second layer comprising a moisture barrier with high porosity; and a gas sensor disposed within the channel. Embodiments described herein provide low cost and highly selective gas detectors.

Classifications:

International (IPC 8-9): G01N1/22 G01N1/24

G01N27/12 (Advanced/Invention)

CPC: G01N33/0009



Family:

Publication number	Publication date	Application number	Application date
CA2947079 AA	20180501	CA20162947079	20161101

Priority:

CA20162947079 20161101

Probable Assignee: UNIV BRITISH COLUMBIA

Assignee(s): (std): UNIV BRITISH COLUMBIA

Assignee(s): AHMADI ALI ; HOORFAR MINA ; OF BRITISH COLUMBIA UNIV ; PAKNAHAD MOHAMMAD

Inventor(s): (std): AHMADI ALI ; HOORFAR MINA ; PAKNAHAD MOHAMMAD

Agent(s): C6 PATENT GROUP INC OPERATING CARBON PATENT GROUP AS

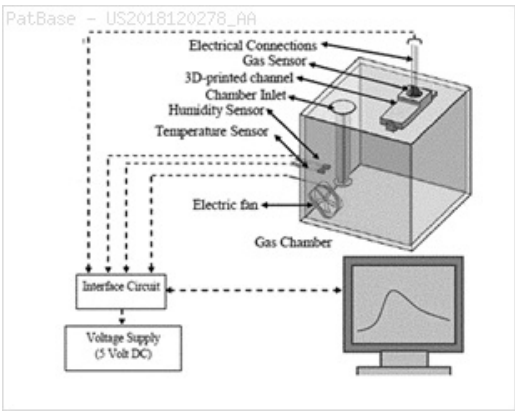
Title: APPARATUS FOR VOLATILE ORGANIC COMPOUND (VOC) DETECTION

Abstract: Provided is an apparatus for the detection of volatile organic compounds (VOCs) for biological analysis, environmental testing and analytical testing. The gas detection apparatus includes: a channel having an inner surface and having at least one opening, such that the channel is optionally in fluid communication with a sample gas, the inner surface having a coating comprising: a first layer comprising a non-reactive metal or non-reactive metalloïd compound; a second layer comprising a moisture barrier with high porosity; and a gas sensor disposed within the channel. Embodiments described herein provide low cost and highly selective gas detectors.

Classifications:

International (IPC 8-9): G01N27/12 G01N33/00 (Advanced/Invention)

CPC: G01N33/0047 G01N27/12



Family:

Publication number	Publication date	Application number	Application date
US2018120278 AA	20180503	US20170800679	20171101

Priority:

US20160415640P 20161101 US20170800679 20171101

Probable Assignee: UNIV BRITISH COLUMBIA

Assignee(s): (std): UNIV BRITISH COLUMBIA

Assignee(s): OF BRITISH COLUMBIA UNIV

Inventor(s): (std): AHMADI ALI ; HOORFAR MINA ; PAKNAHAD MOHAMMAD