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Title: PFN/TRAC SYSTEMTM FAA UPGRADES FOR ACCOUNTABLE REMOTE AND ROBOTICS CONTROL TO STOP THE UNAUTHORIZED USE OF AIRCRAFT AND TO IMPROVE EQUIPMENT MANAGEMENT AND PUBLIC SAFETY IN TRANSPORTATION

Priority: US20010325538P 20011001 US20010330085P 20011019 US20020260525 20021001
WO2002US30857 20021001 US20050086494 20050323

Family:	Publication number	Publication date	Application number	Application date
	AU2002334708 AA	20030414	AU20020334708	20021001
	US2003093187 AA	20030515	US20020260525	20021001
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	WO03029922 A2	20030410	WO2002US30857	20021001
	WO03029922 A3	20050217	WO2002US30857	20021001

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

International class (IPC 8-9): B64C13/20 B64D45/00 G07C5/00 (Advanced/Invention)

International class (IPC 1-7): G06F19/00 G06F7/00

CPC: B64D45/0031 B64D45/0053 B64D45/0059 G07C5/008 B64C13/20 B64D45/0015 G08B13/1965 G08B27/008 G08B31/00 Y02T50/44

European class: B64C13/20 B64D45/00H G07C5/00T G08B13/196L3A G08B27/00T G08B31/00 L64D45/00H2A L64D45/00H3 L64D45/00H5 Y02T50/44

US class: 244/189 340/961 340/961S 701/1 701/16 701/16P 701/1P 701/2 701/3 701/36 701/36S 701/3S

[Classification Explorer](#)

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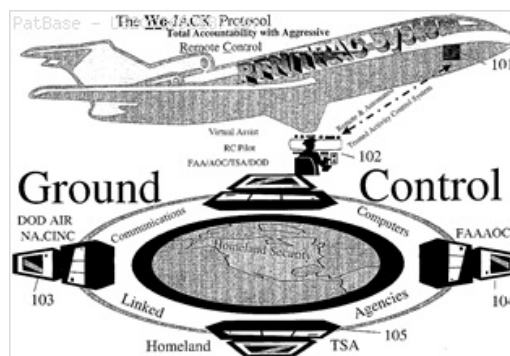
Forward Citations: WO19132750, WO18067375, WO18009872, WO15175440, WO15069228, WO13134590, WO13134590, WO13103403, WO13074843, WO13049851, WO12142203, WO12142203, WO12039776, WO11142751, WO11053340, WO11009109, WO11009109, WO10144105, WO10144105, WO10015984, WO10015984, WO10014284, WO09155671, WO09145904, WO09045580, WO09026572, WO09019699, WO09019699, WO09009202, WO09009202, WO08157755, WO08124902, WO08124902, WO08085584, WO08076177, WO08064191, WO08064191, WO08063238, WO08063238, WO08024236, WO08024236, WO07076262, WO07076262, WO07055811, WO07030237, WO07008923, WO07008923, WO07001660, WO07001660, WO06130129, WO06088916, WO06086259, WO06086259, WO06017219, WO05089097, WO05089097, USRE47474, USRE45416, USRE43386, USRE43157, USRE42546, USD863268, US9998204, US9989366, US9986035, US9984522, US9973608, US9973263, US9969508, US9967704, US9961411, US9958875, US9956966, US9955298, US9944408, US9942705, US9940161, US9939526, US9924427, US9923863, US9914535, US9912640, US9896222, US9883360, US9881190, US9875406, US9868527, US9864370, US9856036, US9854402, US9854394, US9849979, US9848391, US9845734, US9829886, US9828113, US9828108, US9828107, US9826288, US9823654, US9821910, US9798325, US9797920, US9793978, US9791866, US9786189, US9786188, US9769674, US9766337, US9759917, US9749790, US9748980, US9742745, US9742441, US9736618, US9733644, US9733349, US9719799, US9713675, US9709982, US9707829, US9702704, US9701422, US9701419, US9697714, US9686238, US9679456, US9671781, US9667627, US9663078, US9654921, US9653796, US9651944, US9650153, US9633206, US9619682, US9615204, US9607522, US9607502, US9606534, US9596685, US9585191, US9584960, US9583020, US9565076, US9562974, US9562788, US9561868, US9558547, US9554275, US9553467, US9550583, US9546005, US9546003, US9535563, US9535414, US9529437, US9520005, US9519894, US9514648, US9511729, US9495015, US9491574, US9485266, US9485038, US9482552, US9474712, US9467832, US9467221, US9462036, US9454921, US9454752, US9445449, US9445280, US9434473, US9410870, US9406237, US9403593, US9397782, US9392413, US9390229, US9384586, US9383740, US9374659, US9366862, US9354633, US9351096, US9350202, US9348914, US9342988, US9342481, US9341843, US9340301, US9340283, US9336634, US9329689, US9329083, US9324043, US9323248, US9319172, US9318024, US9311760, US9310221, US9309009, US9306637, US9295032, US9295006, US9285589, US9281909, US9273981, US9269205, US9266610, US9264126, US9260182, US9256994, US9256225, US9255804, US9254363, US9254256, US9253616, US9250630, US9250320, US9237685, US9237683, US9232345, US9229227, US9225765, US9223134, US9213972, US9202382, US9202184, US9193441, US9185522, US9183044, US9182596, US9182480, US9173332, US9167558, US9163909, US9144398, US9134534, US9129295, US9128281, US9122983, US9119288, US9116239, US9097891, US9097890, US9091851, US9091559, US9084116, US9083738, US9082208, US9079555, US9079494, US9076275, US9068844, US9067047, US9061102, US9056669, US9051043, US9049216, US9047770, US9044543, US9042916, US9038160, US9037321, US9036493, US9031880, US9031581, US9028467, US9024719, US9013881, US8998886, US8998884, US8996332, US8996168, US8992511, US8988884, US8983682, US8983100, US8982561, US8977441, US8971196, US8968274, US8966565, US8965695, US8960541, US8957790, US8949070, US8948935, US8947860, US8944373, US8942913, US8938402, US8936590, US8933941, US8930044, US8924310, US8924044, US8914022, US8909391, US8906000, US8903587, US8902154, US8892495, US8892349, US8882747, US8874360, US8872646, US8868787, US8862289, US8856646, US8855906, US8850552, US8838463, US8832731, US8831635, US8830687, US8825712, US8825237, US8824731, US8823554, US8823496, US8816881, US8811720, US8811265, US8803683, US8798647, US8798645, US8798593, US8791823, US8788121, US8788118, US8788096, US8787193,

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Abstract:

This invention, a Protected Primary Focal Node PFN is a Trusted Remote Activity Controller TRAC and mobile communication router platform that provides accountable remote and robotics control to transportation vehicles by interfacing with the vehicles E/E systems. It connects each vehicle either on the earth's surface or near the earth's surface with application specific intranets for air, sea and land travel, via either host commercial servers or agency providers through wireless communication gateways and then further interfaces these vehicles in a larger machine messaging matrix via wireless and IP protocols to further coordinate movement assess and manage equipment use and impact on the world resources, societies infrastructure and the environment. This filing focuses directly on PFN/TRAC System use to augment and upgrade public safety and security in the Airline Industry and restrict any unauthorized use of an aircraft. Additionally, this application and related filings teaches the PFN/TRAC System(TM) use for all vehicle platforms to increase safety and security in a free society like the United State of America. The other related filings instruct in the technology's use for robust and accountable remote control for personal applications, stationary equipment and standalone functions, and coordinates them and interfaces them within the communication matrix. The TRAC controller also performs translation and repeating functions across a wide variety of communication protocols to complete a more mobile flexible matrix or web. This connected communication matrix of computers and humans provides an enhanced Human Machine Interfacing HMI scenario both locally and systemically in real-time for improve equipment management and world stability.



2) Family number: 57085036 (US2014210627A)

© PatBase

Title:	METHOD AND SYSTEM FOR MONITORING INTOXICATION			
Priority:	US20130759390P 20130103	US20130759390P 20130131	US20130812704P 20130416	
	US20130802704P 20130416	US20140169029 20140130	US20140470376 20140827	
	US20150631125 20150225	US20150728573 20150602	US20150925675 20151028	
	US20150269854P 20151218	US20160212600 20160718	US20160294317 20161014	
	US20160294998 20161017	US20160375801 20161212	US20170459820 20170315	
	US20170666062 20170801	US20180979220 20180514	US20180010093 20180615	
	US20180218357 20181212			

Family:	Publication number	Publication date	Application number	Application date
	US2014210627 AA	20140731	US20140169029	20140130
	US2014361900 AA	20141211	US20140470376	20140827
	US2015164416 AA	20150618	US20150631125	20150225
	US2015261927 AA	20150917	US20150728573	20150602
	US2016045153 AA	20160218	US20150925675	20151028
	US2016327542 AA	20161110	US20160212600	20160718

■	US2017027504 AA	20170202	US20160294317	20161014
■	US2017046493 AA	20170216	US20160294998	20161017
■	US2017086714 AA	20170330	US20160375801	20161212
■	US2017164889 A9	20170615	US20150925675	20151028
■	US2017181696 AA	20170629	US20170459820	20170315
■	US2017354354 AA	20171214	US20170666062	20170801
■	US2018289321 AA	20181011	US20180010093	20180615
■	US2018301225 AA	20181018	US20180979220	20180514
■	US2019110721 AA	20190418	US20180218357	20181212
■	US8878669 BB	20141104	US20140169029	20140130
■	US9076317 BB	20150707	US20140470376	20140827
■	US9192334 BB	20151124	US20150631125	20150225
■	US9600632 BB	20170321	US20150728573	20150602
■	US9662065 BB	20170530	US20150925675	20151028
■	US9740827 BB	20170822	US20160212600	20160718
■	US9788772 BB	20171017	US20160375801	20161212
■	US9872649 BB	20180123	US20160294317	20161014
■	US9996673 BB	20180612	US20160294998	20161017
■	US10034635 BB	20180731	US20170459820	20170315
■	US10182752 BB	20190122	US20170666062	20170801

Probable Assignee: KHN SOLUTIONS INC

Assignee(s):(std): KHN SOLUTIONS INC

Inventor(s):(std): TAMMEN WILL ; STRASSER MICAH EL JURGEN ; FAYKUS CHRISTOPHER THOMAS ; RETTUS STACEY ILENE ; BASARAN PAULINE ANNE ; AZIZ IMRAAN ; STRASSER MICHAEL JURGEN ; NOTHACKER KEITH HARRY ; SAUL ZACHARY MICHAEL ; WALTON JOHN PAUL ; RETTUS STACEY ILENE

Agent(s): IVAN; JEFFREY; DIANA; SCHOX JEFFREY; LIN DIANA

International class (IPC 8-9): A61B10/00 A61B5/00 A61B5/08 A61B5/097 A61B5/11 A61B5/145 A61B5/1477 A61B5/18 G01N27/416 G01N33/497 G01N33/98 G06F19/00 G08B1/08 G08B21/02 G08B21/04 G08B23/00 G16H50/20 G16H50/70 (Advanced/Invention); A61B10/00 A61B5/00 A61B5/08 A61B5/097 (Advanced/Non-invention)

CPC: G01N33/98 A61B5/743 A61B5/0077 A61B5/7445 A61B5/1477 G01N27/416 A61B5/14546 A61B10/0064 G16H50/70 G16H50/20 A61B5/4845 A61B5/0022 A61B5/082 A61B5/097 A61B5/1118 A61B5/18 A61B5/4023 A61B5/486 A61B5/4863 A61B5/681 A61B5/7275 A61B5/7282 A61B5/742 A61B5/7475 A61B2010/0009 A61B2010/0087 A61B2503/22 A61B2562/0219 G01N33/4972 G08B21/02 G08B21/0453 G06F19/00

US class: 1/1 340/539.12 340/573.1 340/576 600/309 600/352 600/532 702/19

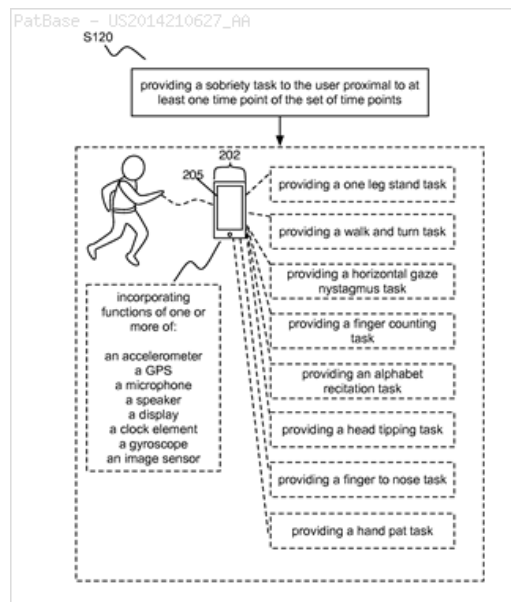
[Classification Explorer](#)

Cited documents: USD731341 S1, USD727764 S1, USD727763 S1, USD724980 S1, USD705100 S1, USD606434 S1, USD603281 S1, USD586677 S1, USD539684 S1, USD539683 S1, USD530424 S1, USD521885 S1, USD381885 S1, USD362642 S1, USD333441 S1, US9775565 BA, US9662065 BB, US9600632 BB, US9481245 BB, US9417232 BB, US9398858 BB, US9278696 BB, US9241661 BB, US9228997 BB, US9192334 BB, US9192324 BB, US9095251 BB, US9076317 BB, US9063120 BB, US9045101 BB, US9020773 BB, US8941501 BA, US8920725 BB, US8878669 BB, US8849387 BB, US8814804 BB, US8808228 BB, US8707758 BB, US8693597 BB, US8453492 BB, US8381573 BB, US8370027 BB, US8280436 BB, US8258968 BB, US8126735 BB, US8040233 BB, US7930927 BB, US7823681 BB, US7451852 BB, US7341693 BB, US7204335 BB, US6956484 BB, US6899683 BB, US6824520 BB, US6726636 BB, US6608399 BB, US6556905 BA, US6454723 BA, US6433863 BA, US5944661 A, US5291898 A, US5216415 A, US4996161 A, US4749553 A, US4487055 A, US2017166054 AA, US2016349239 AA, US2016231299 AA, US2015360696 AA, US2015359469 AA, US2015325104 AA, US2015251660 AA, US2015084774 AA, US2014311215 AA, US2014303836 AA, US2013305808 AA, US2013282321 AA, US2013150727 AA, US2013035602 AA, US2013021153 AA, US2012330175 AA, US2012075094 AA, US2011304465 AA, US2010268425 AA, US2010234064 AA, US2010108425 AA, US2009201138 AA, US2009182216 AA, US2009043409 AA, US2007144812 AA, US2007093725 AA, US2006293613 AA, US2006217625 AA, US2006193749 AA, US2005241871 AA, US2003176803 AA, US2002128769 AA, FR2975522 A1,

Forward Citations: WO18136558, WO17098485, WO17003883, WO16200924, US9996673, US9974903, US9956963, US9915644, US9872649, US9855000, US9788772, US9740827, US9662065, US9600632, US2018326150, US2018074030, US2017355377, US2017347971, US2017181696, US2017046493, US2016161468, US2016129916, US2016052523, US2016045153, US2015355162, US2014365142, US2013305808, US10440223, US10436770, US10406287, US10405743, US10397743, US10354539, US10352923, US10328204, US10302628, US10286917, US10182752, US10052073, US10034635, RU2700978, CN106559486, CN106559486, CN105548533,

Abstract:

A method and system for monitoring a user's intoxication including receiving a set of signals, derived from a set of samples collected from the user at a set of time points; providing a sobriety task to the user proximal to a time point of the set of time points; generating a performance dataset characterizing performance of the sobriety task by the user; receiving a supplementary dataset characterizing a demographic profile of the user and/or a physiological state of the user; determining a set of values of an intoxication metric, derived from the set of signals; generating a predicted temporal profile of the intoxication metric for the user based upon the set of values, the set of time points, and the supplementary dataset; generating an analysis of the user's sobriety based upon the performance dataset and the predicted temporal profile; and providing a notification to the user based upon the analysis.



3) Family number: 59226073 (US2015132855A)

© PatBase

Title: INTERFACE FOR DISPOSABLE SENSORS

Priority: US20130076844 20131111 WO2014US64757 20141110

Family:

Publication number	Publication date	Application number	Application date
BR112016010588 A2	20170808	BR20161110588	20141110
CN105683935 A	20160615	CN201480059354	20141110
CN105683935 B	20190329	CN201480059354	20141110
EP3069257 A1	20160921	EP20140806775	20141110
IN201627012554 A	20160819	IN201627012554	20160411
JP2016539558 T2	20161215	JP20160526821T	20141110
JP6452691 B2	20190116	JP20160526821T	20141110
KR20160084410 A	20160713	KR20167014390	20141110
US2015132855 AA	20150514	US20130076844	20131111
WO15070125 A1	20150514	WO2014US64757	20141110

Probable Assignee: QUALCOMM INC

Assignee(s):(std): QUALCOMM INC

Inventor(s):(std): SRIVASTA RAGHU SUBRAMANIAN ; HE RIHUI ; SRIVATSA RAGHU SUBRAMANIAN ; BLACK JUSTIN PHELPS ; LONDERGAN ANA RANGELOVA ; TCHERTKOV IGOR ; MARTIN RUSSEL ALLYN

Inventor(s): RAGHU SUBRAMANIAN SRIVASTA ; IGOR TCHERTKOV ; RIHUI HE ; JUSTIN PHELPS BLACK ; ANA RANGELOVA LONDERGAN ; RUSSEL ALLYN MARTIN

Agent(s): TOMKINS AND CO; KARRAR ADIL 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

International class (IPC 8-9): G01N21/78 G06F13/38 G06F13/40 H04M1/00 (Advanced/Invention)

CPC: G06F13/4068 G06F13/385 Y10T436/144444 G01N21/78

US class: 422/82.05 436/164 436/20 436/95

[Classification Explorer](#)

Cited documents: WO9947907 A1, WO9002938 A1, WO13064054 A1, WO13064054, WO0028471 A1, US7021122 BA, US2014273189 AA, US2010240982 AA, US2009191846 AA, US2007009982 AA, US2004220538 AA, JP8020398 B2, JP8020398 B2, JP2007017442 A2, JP2007017442, JP2006515694 T2, JP2006515694, JP2002368907 A2, JP2002368907, JP2002251461 A2, JP2002251461, CN103091486 A, CN101839908 A,

Forward Citations: US9676220,

Abstract:

Techniques described herein enable a mobile multifunction device to detect a disposable sensor card at an interface coupled to the mobile multifunction device, wherein the disposable sensor card is mounted inside an opening in the mobile multifunction device, detect analog information associated with the disposable sensor card, and convert analog information to digital information. Detecting analog information comprises detecting a non-transient change in at least a portion of the disposable sensor card, wherein at least a portion of the first disposable sensor card changes form in response to exposure to one or more stimuli from an environment of the first disposable sensor card. A non-transient change may include one or more of changing color, changing shape, changing chemical composition or changing electrical characteristics. Furthermore, the interface may be configured to receive disposable sensor cards with varying sensing capabilities. Each disposable sensor card may have one or more disposable sensors.

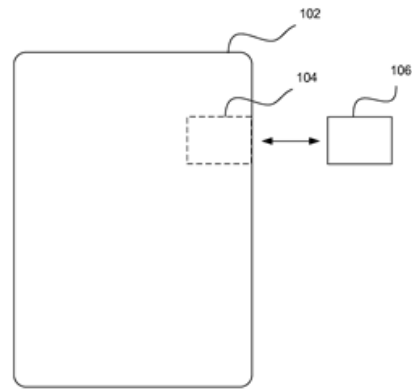


FIG. 1

4) Family number: 64815100 (US2017030882A)

© PatBase

Title: SYSTEMS AND METHODS FOR DIPSTICK DIAGNOSTIC TOOLS AND RELATED METHODS

Priority: US20150155841P 20150501 US20160144021 20160502 US20170843916 20171215

Family:

	Publication number	Publication date	Application number	Application date
■	US2017030882 AA	20170202	US20160144021	20160502
■	US2018356386 AA	20181213	US20170843916	20171215

Probable Assignee: AHKEO VENTURES LLC

Assignee(s):(std): AHKEO LABS LLC ; AHKEO VENTURES LLC

Inventor(s):(std): SKODA BRENT M

International class (IPC 8-9): A61B5/08 A61M11/04 G01N33/15 (Advanced/Invention)

CPC: G01N33/15 A61M11/041 A61B5/082 A61M2205/50 A61M2205/52 A61M2205/3584 A61M2205/8206 A61M2205/18 A61M2205/702 A61M2205/502 A61B5/0071 A61B5/0075 A61B5/01 A61B5/073 A61B5/083 A61B5/14507 A61B5/14532 A61B5/14546 A61B5/1455 A61B5/1468 A61B5/4836 A61B5/4845 A61B5/4866 A61B5/7275 A61M15/0003 A61M2205/3303 A61M2205/3553 A61M2205/3569 A61M2205/3592 A61M2205/6018

US class: 1/1 73/23.2

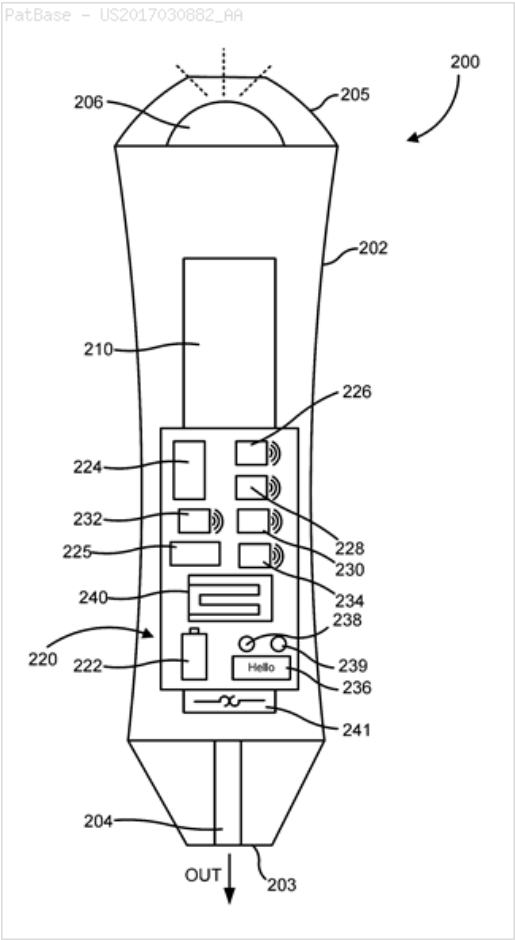
[Classification Explorer](#)

Cited documents: US2005268911 AA,

Forward Citations: US9970871, US2017241906,

Abstract:

The present disclosure relates to a medical diagnostic and delivery device includes a dipstick type device. The device include cartridge containing one more substance or medicaments configured to be delivered to a user in the form a liquid, particles, or fine mist. In particular embodiments, the device can include a heating element to vaporize the substance and deliver the vapor to a user. In various embodiments, the device includes one or more sensors configured to analyze the one or substances or medications contained within the cartridge and sense, detect or otherwise determine an expiration date of the substance or medication.



5) Family number: 64369100 (US2016363567A) © PatBase

Title:

Priority:

Family:

Probable Assignee:

Assignee(s):(std):

Inventor(s):(std):

International class (IPC 8-9):

CPC:

US class:

Classification Explorer

Cited documents:

Forward Citations:

VAPOR DEVICE FOR STRESSING AND ANALYZING COMPOUNDS

US2015017555P 20150615US20160182971 20160615

Publication number

Publication date

Application number

Application date

US2016363567 AA

20161215

US20160182971

20160615

LUNATECH LLC

LUNATECH LLC

BLACKLEY JONATHAN SEAMUS

G01N30/72 (Advanced/Invention)

G01N33/0011 A24F47/008 G01N33/493

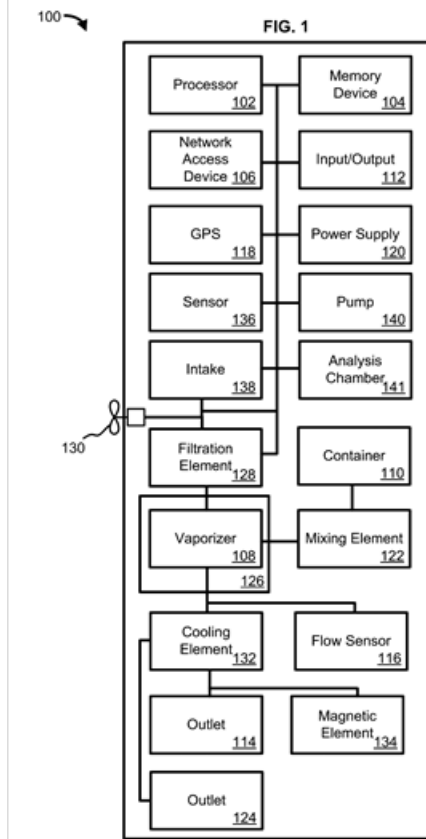
1/1 250/282

[Classification Explorer](#)

US2015034103 AA, US2013267014 AA, US2013259847 AA,

US9955733,

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.


6) Family number: 64369104 (US2016363572A)

© PatBase

Title: VAPOR PROCESSING AND ANALYZING DEVICE AND SYSTEM

Priority: US20150175677P 20150615 US20160182037 20160614

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

Probable Assignee: LUNATECH LLC

Assignee(s):(std): LUNATECH LLC

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

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

CPC: G01N33/0036 G01N33/15

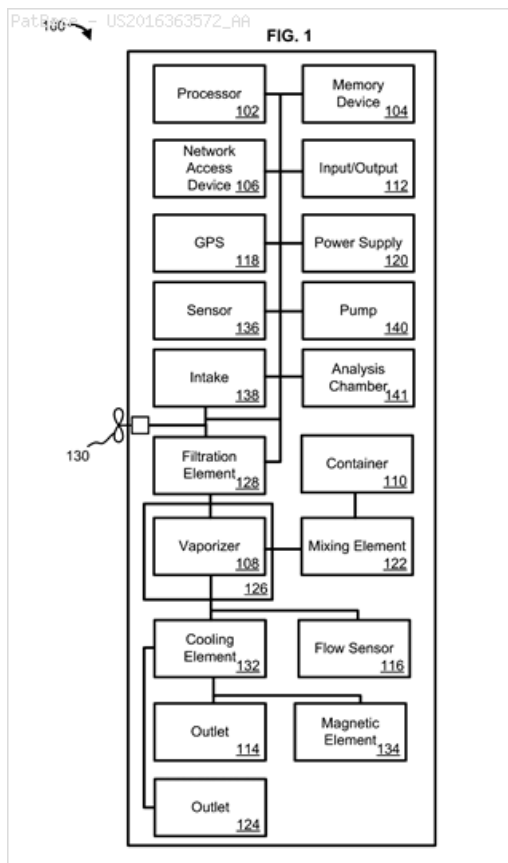
US class: 1/1 73/23.31

[Classification Explorer](#)
Cited documents: US9632069 BB, US6234006 BA,

Forward Citations: US10449310,

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.



7) Family number: 63986213 (US2016331272A)

© PatBase

Title: BREATH ANALYSIS SYSTEM, DEVICE AND METHOD EMPLOYING NANOPARTICLE-BASED SENSOR

Priority: US20150161872P 20150514 US20160156188 20160516

Publication number	Publication date	Application number	Application date
US2016331272 AA	20161117	US20160156188	20160516

Probable Assignee: INVOY HOLDINGS LLC

Assignee(s):(std): INVOY TECH LLC

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

Inventor(s):(std): AHMAD LUBNA M ; SMITH ZACHARY ; MARTINEAU RHETT L ; AHMAD SALMAN A

International class A61B5/08 A61B5/097 (Advanced/Invention)

(IPC 8-9):

CPC: A61B5/082 A61B5/097 A61B2560/0214 A61B2562/0285

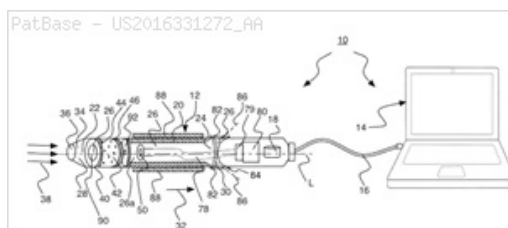
US class: 1/1 600/532

[Classification Explorer](#)

Forward Citations: WO19104146, WO18098483, USD848620, US9848075,

Abstract:

A system is provided that includes a portable measurement device for measuring acetone in a breath sample of a user. The measurement device comprises a housing, a user-direct breath input device for engaging in direct fluid communication with a respiratory tract of the user and receiving the breath sample from the respiratory tract, a flow path disposed within the housing, a nanoparticle-based sensor disposed in the housing in fluid communication with the flow path and at an intermediate location between the upstream end and the downstream end, and a flow control device disposed in the housing and in the flow path between the upstream end and the nanoparticle-based sensor that prevents flow of the breath sample in an upstream direction opposite the downstream direction.



8) Family number: 20660237 (US2004010706A)

© PatBase

Title: HIGH SECURITY WIRELESS KEY FOR ASYNCHRONOUS DELIVERY DROP BOXES

Priority: US20000209149P 20000603 US20000209149P 20000603 US20000228555P 20000828

US20000245504P	20001103	WO2001US18061	20010604	US20010299727P	20010622
US20010415502	20010828	WO2001US26840	20010828	WO2001US43999	20011105
US20020481423	20020621	WO2002US19637	20020621	US20020297246	20021203
US20030466016P	20030428	US20030415502	20030428	US20030485860P	20030709
US20040832853	20040427	US20040888372	20040709	US20040711334	20040910
US20040481423	20041007	US20040711334	20041206	US20050162907	20050928
US20060276506	20060302	US20060566135	20061201	US20060633751	20061204
US20070754261	20070525	US20070762739	20070613		

Family:

Publication number	Publication date	Application number	Application date
AU2001268172 AA	20011217	AU20010268172	20010604
AU2001288468 AA	20020313	AU20010288468	20010828
AU200168172 A1	20011217	AU20010068172	20010604
AU200168172 A5	20011217	AU20010068172	20010604
AU200188468 A1	20020313	AU20010088468	20010828
AU200188468 A5	20020313	AU20010088468	20010828
AU2002253789 AA	20020904	AU20020253789	20011105
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WO02067076 C2	20030103	WO2001US43999	20011105
WO0219092 A1	20020307	WO2001US26840	20010828

Probable Assignee: VISIBLE ASSETS INC

Assignee(s):(std): AUGUST JASON ; EBOX COM ; EBOX COM INC ; STEVENS JOHN K ; EBOX USA INC ; EBOXCOM INC ; STEVENS JOHN ; WATERHOUSE PAUL ; VISIBLE ASSETS INC

Assignee(s): VERGE CHRISTOPHER W ; LEUNG GRANT ; EBOX USA INC A DELAWARE CORP ; TRUONG KENNETH ; VANDENBERG MICHAEL J ; EBOXCOM ; EBOX U INC SA

Inventor(s):(std): STEVENS JOHN K ; WATERHOUSE PAUL ; VERGE CHRISTOPHER W ; VANDENBERG MICHAEL J ; TRUONG KENNETH ; AUGUST JASON ; STEVENS JOHN ; LEUNG GRANT ; STEVEN JOHN K

Inventor(s): JOHN K STEVENS ; STEVEN JOHN ; VERGE CHRISTOPHER

Agent(s): CASSAN MACLEAN; MCGINN AND GIBB PLLC; JASON AUGUST; OPPEDAHL AND LARSON LLP; OPPEDAHL PATENT LAW FIRM LLC - VAI; OPPEDAHL PATENT LAW FIRM LLC VAI; MICHAEL J BUCHENHORNER; OPPEDAHL PATENT LAW FIRM LLC; LARSON AND ANDERSON LLC

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

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[Classification Explorer](#)

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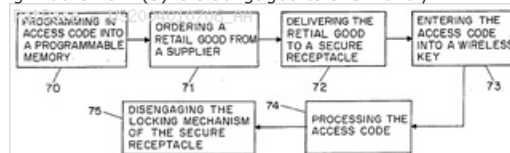
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Abstract:

A wireless key (6), capable of transmitting an ultra-low frequency radio wave signal (5), is used to gain access to a secure receptacle (1), the wireless key (6) and receptacle (1) comprising a system to ensure the secure transfer or delivery of items between parties typically engaging in e-commerce. The wireless key (6) possesses a means to discriminate against the unauthorized entry of the receptacle, such as through the use of buttons to enter a secure access code. The wireless key (6) accepts an access code entry from the user desiring entry to the receptacle (1) and subsequently transmits an ultra-low frequency signal (5) to a receiving and processing means (4). If the analysis of the signal indicates the user of the wireless key (6) is authorized to gain entry to the receptacle (1), the receptacle's locking mechanism (3) is disengaged to allow entry.



9) Family number: 57136268 (US2014216136A)

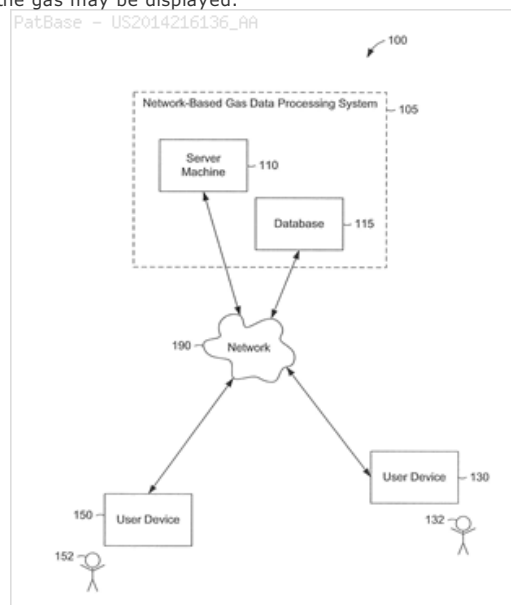
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Title: SMART PHONE SENSOR PLATFORM
Priority: US20120665152P 20120627 US20130808933P 20130405 US20130927321 20130626
Family:

Publication number	Publication date	Application number	Application date
US2014216136 AA	20140807	US20130927321	20130626
WO14165684 A1	20141009	WO2014US32846	20140403

Probable Assignee: BREATHOMETER INC
Assignee(s):(std): BREATHOMETER INC ; YIM CHARLES MICHAEL
Assignee(s): SILICON VALLEY BANK
Inventor(s):(std): YIM CHARLES MICHAEL ; YIM CHARLES MICHAEL
Agent(s): MADDEN ROBERT B 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
International class (IPC 8-9): G01N27/00 G01N33/00 G01N33/98 (Advanced/Invention)
CPC: G01N33/4972
US class: 73/31.05
[Classification Explorer](#)
Cited documents: WO13129766 A1, US8648728 BB, US8224608 BA, US7462149 BB, US6167746 BA, US4926164 A, US4678057 A, US4665385 A, US4140106 A, US2016089976 AA, US2014076022 AA, US2014062722 AA, US2012295595 AA, US2012268268 AA, US2012075094 AA, US2011009765 AA, US2010268425 AA, US2008053194 AA, US2005251060 AA, US2003183437 AA,
Forward Citations: WO17131399, WO16085824, US9820114, US9685916, US9593985, US9167100, US8974115, US2018095061, US2017138878, US2015325104, US2015161705, US2014349707, US2013315276, US10416104, US10241105, CN106980015, CN106980015,

Abstract:
A sensor device containing a gas sensor is exposed to a gas. The gas sensor emits a voltage based on a property of the gas. The voltage output by the gas sensor is received by an integrated circuit ("IC"). The IC may convert the voltage to a digital representation of the voltage. The IC may determine a property of the gas based on the voltage. The digital representation of the voltage or a representation of the property of the gas is then transmitted as data via an audio jack of the sensor device. A computer device receives the data via an audio jack. Using one or more processors, the computer device analyzes the data and generates a recommendation. The recommendation and the property of the gas may be displayed.



10) Family number: 40841294 (US2001039824A)

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Title: Handheld sensing apparatus
Priority: US19980045237 19980320 US19980141847 19980827 US19980178443 19981023
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WO9947905 A2	19990923	WO1999US06094	19990319
WO9947905 A3	19991111	WO1999US06094	19990319

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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
International class (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 G06F3/01 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 class (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
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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.

