

1) Family number: 58903076 (DE102013017837A1)

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Title: MODUL(E) ZUR VERBESSERUNG ODER ALLEINIGEN ENERGIEVERSORGUNG EINES AM KOPF GETRAGENEN ELEKTRISCHEN GERAETES, DAS AUF DAS SEHFELD DES TRAEGEREINWIRKT MODULE (S) TO IMPROVE OR SOLE POWER SUPPLY AT THE HEAD OF A WORN electrical appliance ON THE FIELD OF VIEW OF THE INSTITUTION INTERACTING (Machine translation)

Priority: DE201310017837 20131007

Family:

Publication number	Publication date	Application number	Application date
DE102013017837 A1	20150409	DE201310017837	20131007

Probable Assignee: RODENSTOCK GMBH

Assignee(s):(std): RODENSTOCK GMBH

Inventor(s):(std): TIEMANN MARKUS ; SEITZ PETER C

International class (IPC 8-9): G02B27/01 H02N11/00 (Advanced/Invention)

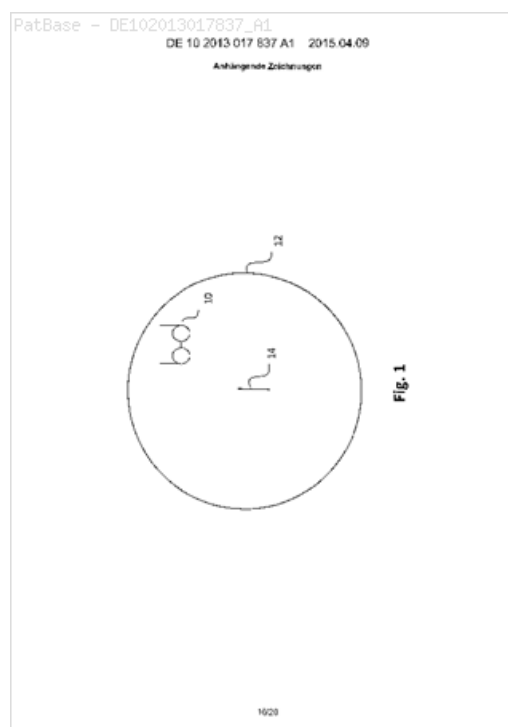
CPC: G02B27/017 G02B2027/0178

[Classification Explorer](#)

Cited documents: WO9409398 A1, WO12079159 A1, US2013194540 AA, US2013150771 AA, US2012127422 AA, US2012087015 AA, US2008239452 AA, DE10205579 A1,

Forward Citations: DE102017210983, DE102016222911, DE102016222911, DE102015121402,

Abstract:
Source: DE102013017837A1 [DE] Die vorliegende Erfindung betrifft ein am Kopf eines Benutzers tragbares visuelles elektrisches Geraet umfassend: - eine Endvorrichtung, welche ausgelegt ist, eine Funktion bereitzustellen, zu deren Ausfuehrung elektrische Energie benoetigt wird; - eine Stromerzeugungsvorrichtung, welche ausgelegt ist, elektrische Energie aus der Umgebung des Benutzers zu gewinnen; - eine Speichervorrichtung, welche ausgelegt ist, zumindest einen Teil der erzeugten elektrischen Energie zu speichern und, wobei die Stromerzeugungsvorrichtung und die Speichervorrichtung ausgelegt und angeordnet sind, die Sicht des Benutzers nicht zu beeinträchtigen. **Machine translation:** The present invention relates to a portable head of a user visual electrical Geraet comprising: - a terminal device, which is designed to provide a function to their execution electrical energy is required; - A power generating device, which is designed to electrical energy from the environment of the user to gain; - A memory device, which is designed to store at least a part of the generated electric energy and wherein the power generating device and the memory device are constructed and arranged not to interfere with the user's view .



2) Family number: 30469174 (US2004148088A)

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Title: FUEL PUMP MONITORING SYSTEM AND ASSOCIATED METHOD

Priority:

US20020378283	20020507	US20020378283P	20020507	US20020415186P	20021001
US20020415186P	20021001	US20030513839	20030506	US20030314483	20030506
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US20040565288	20040506	WO2004US14025	20040506	US20040513839	20041105
US20060565288	20060120				

Family:

Publication number	Publication date	Application number	Application date
AU2003267957 AA	20031222	AU20030267957	20030506
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RU2004135309 A	20050627	RU20040135309	20030506
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WO05022292 A2	20050310	WO2004US14025	20040506
WO05022292 A3	20050519	WO2004US14025	20040506

Probable Assignee: ARGO TECH CORP

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Inventor(s):(std): KENT E MILLER ; BRIAN J DAVIS ; E KENT MILLER ; E ; MILLER KENT E ; DAVIS BRIAN J ; KOCHIS GARY ; MILLER E KENT ; MILLER E K ; GARY KOCHIS

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

International class (IPC 8-9): B64G1/10 G01S1/00 G01S13/88 G01S19/09 G01S19/42 G01S5/00 G01S5/14 G02B13/14 G06F19/00 G06Q10/08 G06Q50/30 G07C5/00 G07C5/08 G08B1/08 G08B13/14 G08B13/24 G08B21/02 G08B23/00 G08B25/00 G08C15/00 G08G1/13 G08G5/00 H04B7/185 H04W4/12 (Advanced/Invention); G01S19/34 G01S5/14 H04W4/12 (Advanced/Non-invention); G01S1/00 G01S13/00 G01S19/00 G01S5/14 G02B13/14 G08B13/24 G08B21/00 G08B23/00 G08B25/00 G08G1/127 G08G5/00 (Core/Invention); G06F (Subclass/Invention)

International class (IPC 1-7): B60T7/12 G01S G01S0/00 G01S1/00 G01S13/88 G01S5/00 G01S5/14 G02B13/14 G06F1/00 G06F19/00 G06G7/70 G08B1/08 G08B13/24 G08B23/00 G08B25/00 G08G1/13 G08G5/00

CPC: G06Q10/107 G06Q50/30 G07C5/085 G07C5/008 G01S2013/466 G08B21/0269 G06Q10/08 G08B13/24 G08B13/2462 G08G5/0013 G08G5/0082 G01S5/14 H04W4/12

European class: G06Q10/08 G06Q10/107 G06Q10/10M G06Q50/30 G07C5/00T G07C5/08R2 G08B13/24 G08B13/24B5T G08B21/02A21 G08G5/00A4 G08G5/00F4

US class: 340/425.19 340/426.1 340/426.19 340/438 340/5.92 340/539.13 340/539.130P 340/539.15 340/539.16 340/539.22 340/568.1 340/572.1 340/572.4 340/572.8 340/59.2 340/8.1 340/8.100S 340/825.49 340/945 340/948 340/950 340/985 701/123 701/123P 701/14 701/2 701/213 701/29 701/2S 701/300 701/31.4 701/32.4 701/32.400S 701/33 701/33.9 701/34.4 701/35 701/36 701/468 701/519

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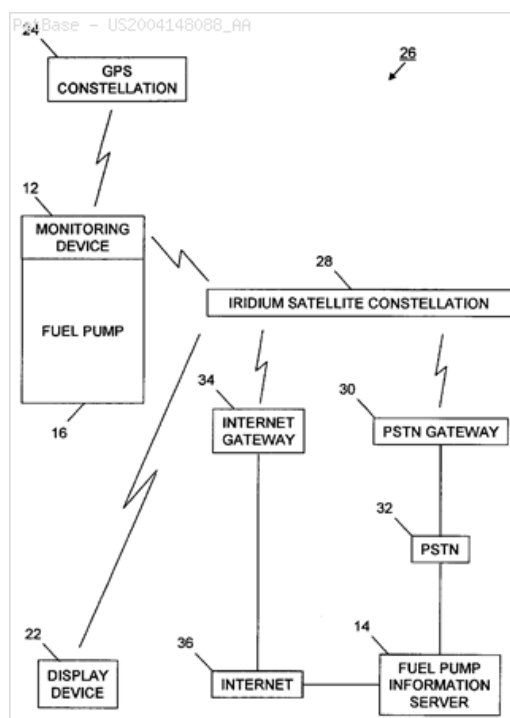
Forward Citations:

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Abstract:

A fuel pump monitoring system (10) for monitoring fuel pumps (16) and a method for using the system are provided. The fuel

pump monitoring system includes a display device (22), an information network (20), a data communication network (18), a monitoring device (12), and an information server (14). The monitoring device collects environmental parameters and operates independent from the vehicle. In one embodiment, the monitoring device uses GPS technology. The fuel pump information server provides fuel pump information and related information to a subscriber. In one embodiment, the monitoring device is in communication with an Iridium satellite constellation (28) and the information is displayed to the subscriber when the fuel pump is substantially anywhere in the world. In another embodiment, the display device is in communication with the Iridium satellite constellation and the information is displayed to the subscriber when the subscriber is substantially anywhere in the world, preferably via the Internet (36).



3) Family number: 54916475 (US2014174115A)

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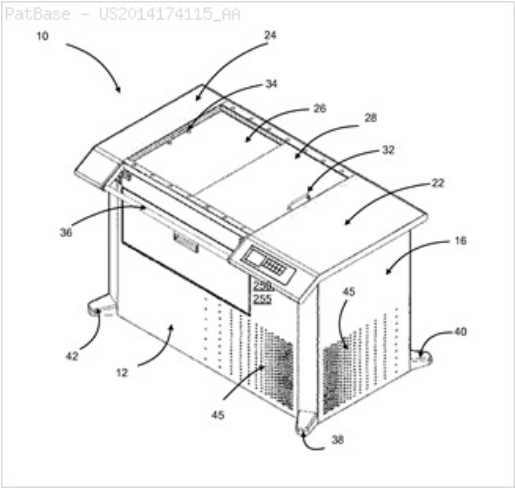
Title:	MULTI TRAY REFRIGERATED CHEST FOR RAPIDLY QUENCHING BEVERAGES			
Priority:	US20120745033P 20121221	US20130789679 20130308	US20130798394P 20130315	
	US20130854739 20130401	US20140060664P 20141007	US20150877143 20151007	
	US20160350062P 20160614	US20160272131 20160921	WO2017US37446 20170614	
	US20170800709 20171101	US20190242612 20190108		
Family:	Publication number	Publication date	Application number	Application date
	AU2017286576 AA	20190124	AU20170286576	20170614
	EP3469274 A1	20190417	EP20170814006	20170614
	US2014174115 AA	20140626	US20130789679	20130308
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	US2017010036 AA	20170112	US20160272131	20160921
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Probable Assignee:	LAUCHNOR JOHN			
Assignee(s):(std):	BLUE QUENCH LLC ; DOWD PAUL ; JOHN LAUCHNOR ; LAUCHNOR JOHN ; MILLER CHRISTOPHER ; LAUCHNOR MR JOHN ; MILLER CHRISTOPHER D			
Inventor(s):(std):	MILLER CHRISTOPHER D ; LAUCHNOR JOHN ; DOWD PAUL ; MILLER CHRISTOPHER			
Agent(s):	WATERMARK INTELLECTUAL PROPERTY PTY LTD; HOFFMANN EITLE; DAY PITNEY LLP; CRAWFORD MAUNU PLLC; PISARSKY NICHOLAS A ET AL; POLLACK BRIAN R			
Designated states:	AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC 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):	B65D81/18 F25B17/02 F25C1/00 F25C5/00 F25C5/18 F25D15/00 F25D16/00 F25D17/02 F25D27/00 F25D29/00 F25D3/06 F25D3/08 F25D31/00 (Advanced/Invention); F25C1/00 (Advanced/Non-invention)			
CPC:	F25D2303/081 F25D2303/0841 F25D2700/12 F25D2700/16 F25D15/00 F25D27/005 F25D17/02 F25C5/182 F25C2600/04 F25D2327/001 F25D21/14 F25D2331/809 F25B2600/07 F25C1/00 F25D3/08 F25C5/20 F25D31/006 F25D29/005 F25D3/04 F25D29/00 F25D31/007 F25D2331/803 F25D2331/805 F25D2400/28 F25D3/06 F25D16/00			
US class:	1/1 62/125 62/185 62/340 62/371 62/457.2 62/457.5			

[Classification Explorer](#)

Cited documents: WO9735155 A1, WO09090162 A1, US9200831 BB, US8549871 BA, US8161769 BB, US8157338 BB, US7886547 BB, US7780034 BA, US7703301 BB, US7669429 BB, US7654097 BB, US7246784 BA, US7165415 BB, US6058718 A, US6050663 A, US6039202 A, US5584187 A, US5466229 A, US5442932 A, US5423191 A, US5265440 A, US5237835 A, US4920763 A, US4813243 A, US4725492 A, US4531381 A, US4358932 A, US3888092 A, US3357200 A, US2470551 A, US2016097577 AA, US2013160987 AA, US2012198871 AA, US2012060544 AA, US2010251755 AA, US2010251730 AA, US2009320517 AA, US2009314011 AA, US2009277187 AA, US2008156031 AA, US2006219858 AA, US2006016211 AA, RU2331030 C2, JP2002168546 A2, EP0174170 A2,

Forward Citations: WO19118464, WO17218653, US9810473, US9386845, US2018216865, US2017001785, US2016161132, US2015135763, US2015052930, US2014352929, US2014303790, US10443255, US10329789, US10174995,

Abstract:
The disclosure features various embodiments and aspects of a chest for quenching beverages. The chest can include a tank for holding a chilled mixture of ice and water, an ice maker adapted for making ice having an output for ejecting ice into a conduit in fluid communication with the tank, and a plurality of quench trays disposed above the tank for holding containers of beverages located in first and second positions. The trays can be filled with cold water by way of a conduit in fluid communication with the tank. The quench trays can include a compartment defined by a bottom and a plurality of walls, and defining therein a plurality of rows for aligning and containing a plurality of beverage containers. The drawers can further include at least one drain orifice configured to guide water out of the quench tray.



4) Family number: 54513488 (US2013201316A) © PatBase

Title: SYSTEM AND METHOD FOR SERVER BASED CONTROL

Priority: US20120584500P 20120109 US20120620129P 20120404 US20120637030P 20120423
US20120647034P 20120515 US20130733634 20130103 US20160361434 20161127
US20170657163 20170723 US20170716881 20170927 US20170832787 20171206
US20180992219 20180530 US20180992221 20180530 US20180053836 20180803
US20180053834 20180803 US20180198803 20181122 US20180198804 20181122

Family:	Publication number	Publication date	Application number	Application date
	US2013201316 AA	20130808	US20130733634	20130103
	US2017078400 AA	20170316	US20160361434	20161127
	US2017331899 AA	20171116	US20170657163	20170723
	US2018034912 AA	20180201	US20170716881	20170927
	US2018124181 AA	20180503	US20170832787	20171206
	US2018278693 AA	20180927	US20180992219	20180530
	US2018278694 AA	20180927	US20180992221	20180530
	US2018343304 AA	20181129	US20180053836	20180803
	US2018375940 AA	20181227	US20180053834	20180803
	US2019098090 AA	20190328	US20180198803	20181122
	US2019109904 AA	20190411	US20180198804	20181122

Probable Assignee: MAY PATENTS LTD

Assignee(s):(std): MAY PATENTS LTD

Inventor(s):(std): BINDER YEHUDA ; MAYTAL BENJAMIN

International class (IPC 8-9): H04L29/08 (Advanced/Invention); B60K31/00 B60K31/18 G01C21/00 G07C5/00 G08G1/00 (Advanced/Non-invention)

CPC: G06Q2240/00 H04L67/12 Y04S40/18 B60K31/00 B60K31/18 B60Y2200/11 B60Y2200/12 B60Y2200/126 B60Y2200/13 B60Y2200/30 B60Y2200/40 B60Y2200/50 B60Y2200/90 G01C21/00 G07C5/008 G08G1/00

US class: 1/1 348/143 348/77 370/276 700/22 700/28 701/2 701/31.4 701/48 709/218

[Classification Explorer](#)

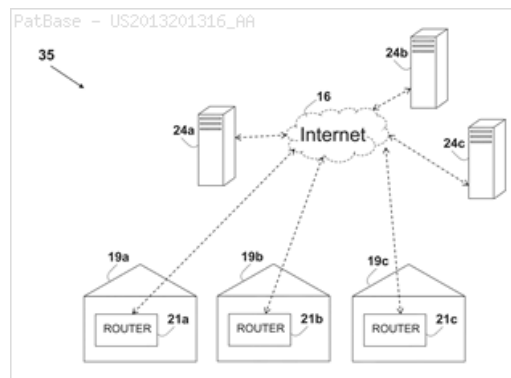
Cited documents: US2017272316 AA, US2017027231 AA, US2016344745 AA, US2016218884 AA, US2016062330 AA, US2016021888 AA, US2015046582 AA, US2015004658 AA, US2014215491 AA, US2013308581 AA, US2013139440 AA, US2013091279 AA, US2012325197 AA, US2012079149 AA, US2012032519 AA, US2012025348 AA, US2011251807 AA, US2011153149 AA, US2010211258 AA, US2010207754 AA, US2010071053 AA, US2010030421 AA, US2009224906 AA, US2009198380 AA, US2009138136 AA, US2009089065 AA, US2008307075 AA, US2008215391 AA, US2008136670 AA, US2008129475 AA, US2008100428 AA, US2007283005 AA, US2007220907 AA, US2007198144 AA, US2007176740 AA, US2007096565 AA, US2007028300 AA, US2007021847 AA, US2006212194 AA, US2006111825 AA, US2005273505 AA, US2003105389 AA, US2003009271 AA,

Forward Citations: WO19191437, WO19178040, WO19162835, WO19043446, WO18183870, WO18146513, WO18039191, WO18013921, WO17185084, WO17142874, WO17106855, WO17058992, WO17019903, WO16176481, WO16155943, WO16074873, WO16058368, WO15198087, WO15160657, USD850490, USD847866, USD847865, USD847864, US9992623, US9985839, US9984350, US9984348, US9979478,

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Abstract:

A system and method in a building or vehicle for an actuator operation in response to a sensor according to a control logic, the system comprising a router or a gateway communicating with a device associated with the sensor and a device associated with the actuator over in-building or in-vehicle networks, and an external Internet-connected control server associated with the control logic implementing a PID closed linear control loop and communicating with the router over external network for controlling the in-building or in-vehicle phenomenon. The sensor may be a microphone or a camera, and the system may include voice or image processing as part of the control logic. A redundancy is used by using multiple sensors or actuators, or by using multiple data paths over the building or vehicle internal or external communication. The networks may be wired or wireless, and may be BAN, PAN, LAN, WAN, or home networks.



5) Family number: 68006583 (US2017370625A)

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Title: THERMOELECTRIC THERMAL MANAGEMENT SYSTEM
Priority: US20160191590 20160624 US20190275373 20190214
Family:

Publication number	Publication date	Application number	Application date
US2017370625 AA	20171228	US20160191590	20160624
US2019182924 AA	20190613	US20190275373	20190214
US10251234 BB	20190402	US20160191590	20160624

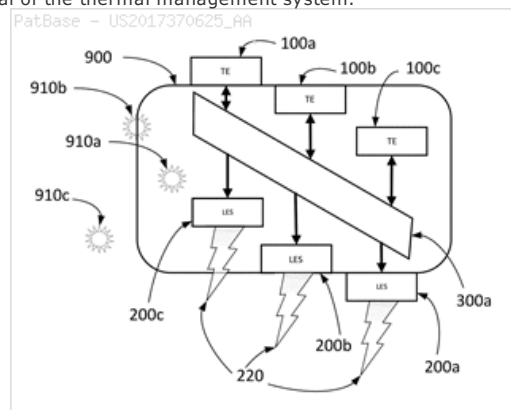
Probable Assignee: HIRSHBERG DAVID
Assignee(s):(std): HIRSHBERG DAVID
Inventor(s):(std): HIRSHBERG DAVID
International class (IPC 8-9): F25B21/04 H01L35/30 H05B33/00 H05B33/08 H05B37/00 (Advanced/Invention)
CPC: H01L35/30 H05B33/0872 H05B37/00
US class: 1/1 307/21

[Classification Explorer](#)

Cited documents: US8497515 BA, US7743614 BB, US7599413 BB, US2519241 A, US2017327867 AA, US2015288187 AA, US2015179543 AA, US2015033764 AA, US2014305480 AA, US2014260329 AA, US2012204577 AA, US2011234107 AA, US2011155200 AA, US2010207573 AA, US2010047954 AA, US2007107764 AA, US2005155642 AA, US2005076944 AA,

Forward Citations: US2018006436,

Abstract:
A thermal management system for an object comprising: one or more thermoelectric elements, one or more light emitting sources, electricity transport medium; electrical energy storage, and a controller. Heat energy that is generated or absorbed by the object is converted by said thermoelectric element to electrical energy. This energy is transferred to light emitting source to emit the energy to the environment or delivered to the electrical energy storage or back to the thermoelectric elements using the electricity transport medium and the controller to achieve the thermal goal of the thermal management system.



6) Family number: 60561593 (US2015294363A)

© PatBase

Title: PRIORITIZED LOCATION BASED AD DISPLAY
Priority: US20140978123P 20140410 US20150682768 20150409
Family:

Publication number	Publication date	Application number	Application date
US2015294363 AA	20151015	US20150682768	20150409
WO15157564 A1	20151015	WO2015US25192	20150409

Probable Assignee: BUMPER GLASS LLC
Assignee(s):(std): BUMPER GLASS LLC
Inventor(s):(std): HARRISON BRIAN ; KHOSRAVY MOE ; BHOLA CARLOS M ; ESKANDAR EMAD ; KHATUA CHIDANANDA
Agent(s): LANZA JOHN D ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC 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): B60K35/00 B60R16/02 G01S19/13 G06Q30/02 (Advanced/Invention)

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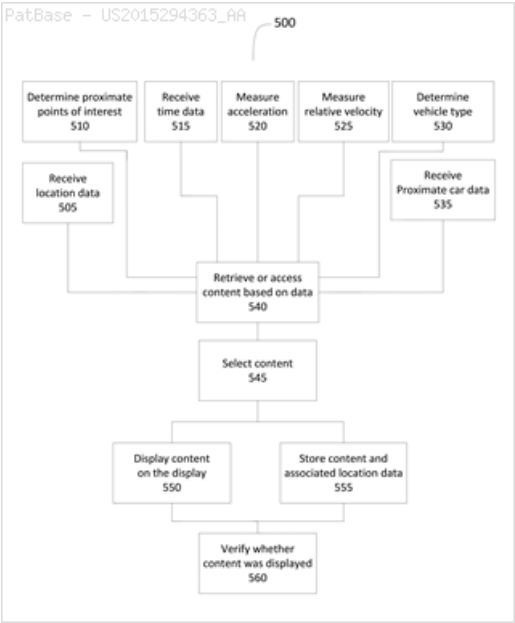
US class: 705/14.63

[Classification Explorer](#)

Cited documents: US6376828 BA, US2014040016 AA, US2012089273 AA, US2002009978 AA, JP2011150418 A2, JP2010287163 A2,

Forward Citations: US2018088671, US10118696,

Abstract:
Systems and methods of displaying content from a vehicle are described. A vehicle location module can determine a vehicle location of the vehicle. A vehicle detection module can detect whether another vehicle is behind the vehicle. The vehicle detection module, responsive to the detection, can identify a vehicle type of the other vehicle and can determine a relative velocity of the other vehicle. A vehicle accelerometer module can measure a vehicle acceleration of the vehicle. A content retrieval module executing on the computing system can access a content based on the vehicle location, the vehicle type, the relative velocity, and the vehicle acceleration. A content prioritization module can select content based on the vehicle location, the vehicle type, the relative velocity, and the vehicle acceleration. An electrophoretic display responsive to the selection can display the selected content.



7) Family number: 65364690 (US2017097259A) © PatBase

Title: MULTI-SENSOR

Priority: US20150998019 20151006 AU20160334038 20161006 US20160287646 20161006
CN201680062708 20161006 EP20160854302 20161006 WO2016US55709 20161006
US20170453407P 20170201 WO2017US55631 20171006 AU20180203436 20180516

Family:	Publication number	Publication date	Application number	Application date
	AU2016334038 AA	20180510	AU20160334038	20161006
	AU2018203436 AA	20180607	AU20180203436	20180516
	CA3000852 AA	20180403	CA20163000852	20161006
	CA3039606 AA	20190404	CA20173039606	20171006
	CN108351251 A	20180731	CN201680062708	20161006
	CN109060126 A	20181221	CN201810573469	20161006
	CN109863425 A	20190607	CN201780065447	20171006
	EP3359930 A1	20180815	EP20160854302	20161006
	EP3359930 A4	20190814	EP20160854302	20161006
	EP3422095 A1	20190102	EP20180186062	20161006
	EP3523614 A1	20190814	EP20170859286	20171006
	HK1259573 A1	20191129	HK20190119355	20190211
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	IN201917013204 A	20190614	IN201917013204	20190401
	KR20180051639 A	20180516	KR20187011531	20161006
	KR20180064548 A	20180614	KR20187015255	20161006
	KR20190052140 A	20190515	KR20197011968	20171006
	TW201723441 A	20170701	TW20160132457	20161006
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	US2017097259 AA	20170406	US20150998019	20151006
	US2017122802 AA	20170504	US20160287646	20161006
	WO17062592 A1	20170413	WO2016US55709	20161006
	WO18067996 A1	20180412	WO2017US55631	20171006

Probable Assignee: VIEW INC

Assignee(s):(std): VIEW INC

Assignee(s): SHRIVASTAVA DHAIRYA ; WANG JUE ; MCGONIGLE BRIAN ; RUMER ALEXANDER ; MULLINS DENNIS ; KANESHIRO KEVIN ; YING YUYANG ; ZEDLITZ JASON ; BANK OF NEW YORK MELLON TRUST CO NA ; BROWN STEPHEN CLARK ; FRANK TREVOR ; GREENSILL CAPITAL UK LTD

Inventor(s):(std): SHRIVASTAVA DHAIRYA ; RUMER ALEX ; FRANK TREVOR ; ZEDLITZ JASON ; BROWN STEPHEN C ; WANG JENNY ; MCGONIGLE BRIAN ; MULLINS DENNIS ; BROWN STEPHEN CLARK ; WANG JUE ; RUMER ALEXANDER ; KANESHIRO KEVIN ; KANESHIRO KEVIN KAZUO ; YING YUYANG ; YING YU YANG ; BROWN STEPHEN

Agent(s): SPRUSON AND FERGUSON; MARKS AND CLERK; HASELTINE LAKE LLP; HASELTINE LAKE KEMPNER LLP; SPRUSON AND FERGUSON HONG KONG LTD; MARTINEZ LEMKE SHEILA ET AL

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

International class (IPC 8-9): E06B3/67 E06B9/24 G01J G01J1/02 G01J1/04 G01J1/06 G01J1/42 G01J1/44 G01J5/10 G01K1/14 G01W1/02 G01W1/06 G01W1/12 G02F1/15 G02F1/155 G02F1/163 (Advanced/Invention)

CPC: G01J1/06 G01J2001/067 G01J1/0252 G01J1/0266 G01J1/0403 G01J1/0407 G01J1/44 G01J5/0003 G01J5/0205 G01J5/0275 G01J5/04 G01J5/06 G01J5/0803 G01J2005/068 G01W1/06 G01W1/12 G01J1/04 G01J1/42 G02F1/1523 G02F1/155 G02F2001/1555 G01J2001/4233 Y02A30/257 Y02B80/50 G02F2201/58 E06B9/24 E06B2009/2464 E06B2009/2476 G01J1/0271 G01J1/0474 G01J1/4228 G01J5/10 G01J2001/4266 E06B9/68 E06B2009/6818 G02F1/15

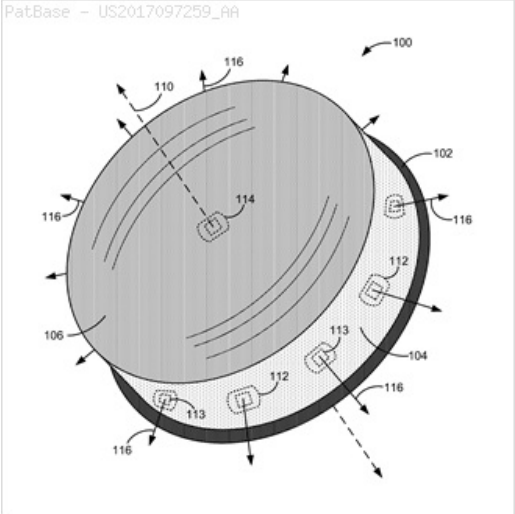
US class: 1/1 250/208.2

[Classification Explorer](#)

Cited documents: WO16054112 A1, WO15029675, WO13105244 A1, US9506802 BB, US941882 A, US9164002 BB, US8764950 BB, US8164818 BB, US8102586 BB, US7587289 BA, US7049602 BB, US6466312 BA, US5670774 A, US5656807 A, US5606393 A, US4491727 A, US4355896 A, US3675023 A, US201662379163 P, US201662305892 P, US2016277688 AA, US201562191975 P, US201562190012 P, US2015161515 AA, US2015070190 AA, US2015053041, US2015029675, US2015019031, US201462088943 P, US201462085179 P, US2014268287 AA, US201414362863, US2014117852 AA, US2014073081, US2014043514, US201313722969, US2012239209 AA, US201213462725, US201213456056, US2012068817, US2012007507 AA, US2012006110 AA, US2009079349 AA, US2009027759 AA, US2007012349 AA, US2006207730 AA, US2006038983 AA, US2004135989 AA, US2004001056 AA, US2003052854 AA, ES2308936 AA, CN102183237 A,

Forward Citations: WO19043225, USD816518, US2017084810, US10481459, US10409652, US10387221, US10365532, US10303035, US10268098, US10253558, US10234596, TWI676012, RU193420, FR3070770, DE102017124676, DE102017124676,

Abstract:
Various implementations relate generally to a multi-sensor device. Some implementations more particularly relate to a multi-sensor device including a ring of radially-oriented photosensors. Some implementations more particularly relate to a multi-sensor device that is orientation-independent with respect to a central axis of the ring. Some implementations of the multi-sensor devices described herein also include one or more additional sensors. For example, some implementations include an axially-directed photosensor. Some implementations also can include one or more temperature sensors configured to sense an exterior temperature, for example, an ambient temperature of an outdoors environment around the multi-sensor. Additionally or alternatively, some implementations can include a temperature sensor configured to sense an interior temperature within the multi-sensor device. Particular implementations provide, characterize, or enable a compact form factor. Particular implementations provide, characterize, or enable a multi-sensor device requiring little or no wiring, and in some such instances, little or no invasion, perforation or reconstruction of a building or other structure on which the multi-sensor device is mounted.

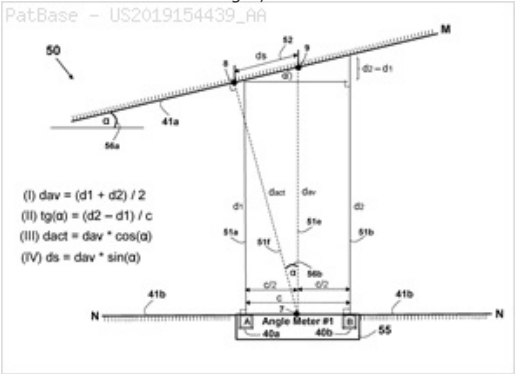


8) Family number: 66904727 (US2019154439A) © PatBase

Title:	A METHOD AND APPARATUS FOR COOPERATIVE USAGE OF MULTIPLE DISTANCE METERS			
Priority:	US20160303388P 20160304	US20160373388P 20160811	WO2017IL50220 20170222	
Family:	US20170081901	20170222		
	Publication number	Publication date	Application number	Application date
	US2019154439 AA	20190523	US20170081901	20170222
	WO17149526 A2	20170908	WO2017IL50220	20170222
	WO17149526 A3	20171005	WO2017IL50220	20170222
Probable Assignee:	MAY PATENTS LTD			

Assignee(s):(std): MAY PATENTS LTD
Inventor(s):(std): BINDER YEHUDA
Agent(s): BINDER SHEM TOV DORIT
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
International class (IPC 8-9): G01B11/02 G01B11/26 G01B15/04 G01C3/10 G01C3/18 G01S17/08 G01S17/42 (Advanced/Invention)
CPC: G01S17/08 G01S15/08 G01S15/42 G01S13/878 G01S2013/468 G01B11/26 G01B11/026 G01B15/00
US class: 1/1
[Classification Explorer](#)
Cited documents: US8630314 BB, US8401816 BB, US7380722 BB, US2015070479 AA, US2014300906 AA, US2014277922 AA, US2014268097 AA, US2014140579 AA, US2014104591 AA, US2011149269 AA, US2008276472 AA,
Forward Citations: WO19221958, WO19221957, WO19143561, WO19103991, WO19063191, WO19052618, US10433112, US10268782, TW1635320, RU2699064, RU188071, RU184396, RU184396, RU180157, FR3071683, CN107764188,

Abstract:
A method and apparatus for an angle meter cooperatively using two or more non-contact distance meters for measuring distances to a surface along substantially parallel lines. The measured distances are used for estimating or calculating the angle to the surface and the distance to the surface. The distance meters may use optical means, where a visible or non-visible light or laser beam is emitted and received, acoustical means, where an audible or ultrasound sound is emitted and received, or an electromagnetic scheme, where radar beam is transmitted and received. The distances may be estimated using a Time-of-Flight (TOF), homodyne or heterodyne phase detection schemes. The distance meters may share the same correlator, signal conditioning circuits, or the same sensor. Two or more angle meters may be used defining parallel or perpendicular measurement planes, for measuring angles between surfaces, and for estimating physical dimensions such as length, area or volume.



9) Family number: 60613868 (WO16044747A1) © PatBase
Title: DEVICES, SYSTEMS AND METHODS FOR COLLECTING, GENERATING, TRACKING AND/OR SHARING ENERGY
Priority: US20140981315P 20140418 US20140052471P 20140919 WO2015US26482 20150417
Family:

Publication number	Publication date	Application number	Application date
WO15161259 A1	20151022	WO2015US26482	20150417
WO16044747 A1	20160324	WO2015US50983	20150918

Probable Assignee: KOONS CURTIS
Assignee(s):(std): KOONS CURTIS ; SUNNY SANWAR AZAM
Inventor(s):(std): SUNNY SANWAR AZAM ; KOONS CURTIS
Agent(s): COOK CRISSA A
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): B60L11/18 B60S5/06 G06Q10/00 G07F15/00 (Advanced/Invention)
CPC: G07F15/00 B60S5/06 Y02T10/7005 Y02T90/124 Y02T90/128 Y02E60/721 Y02T90/121 Y02T90/14 Y02T90/163 Y04S10/126 Y02T10/7088 H02J7/0027 Y02T10/7055 Y02T90/122 Y02T90/169 Y04S30/14 B60L2240/545 Y02T10/7044 Y02T10/705 H02J7/0044 B60L53/30 B60L53/51 B60L53/53 B60L55/00 B60L58/12 B60L53/12 B60L53/14 B60L53/305 B60L53/52 B60L53/65 B60L53/665 B60L53/80 B60L58/16
[Classification Explorer](#)
Cited documents: WO9821132 A1, US8347427 BB, US8340270 BB, US8269453 BB, US8179090 BB, US7818270 BB, US6792259 BA, US5631536 A, US2012251276 AA, US2012045303 AA, US2011282807 AA, US2011270452 AA, US2010067173 AA, US2008053716 AA,
Forward Citations: WO18153912, US10384556, US10126139, CN106143184, CN106143184,
Abstract:
A system and method for collection and/or sharing of energy. The system and method include universal storage cells chargeable by supplier user devices and used to power consumer user devices. The cells preferably are exchanged via one or more central kiosks and may be used across a wide variety of user devices and technologies.

