

1) Family number: 73050010 (US2019035263A)

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Title: TRAFFIC LIGHT SYSTEM WITH IMPROVED SAFETY MEASURES

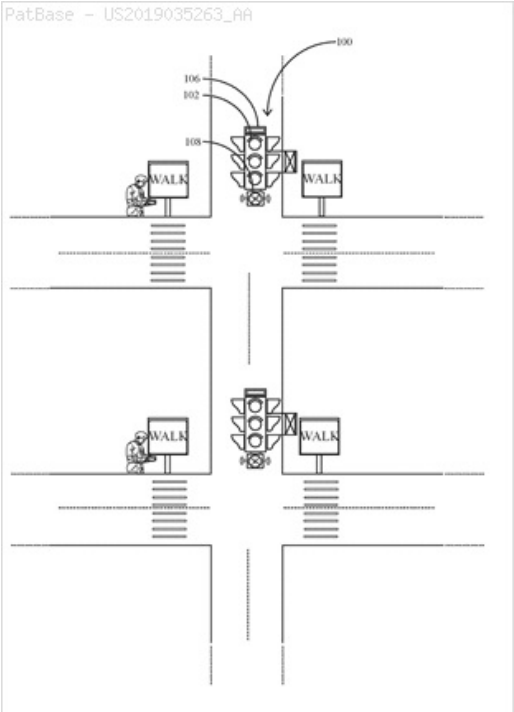
Abstract: Disclosed is a traffic light system having improved safety measures for alerting pedestrians and vehicle drivers in proximity to prevent accidents. The traffic light system includes a red, yellow and green traffic signal lights automatically controlled using a control unit, a speaker module in communication with the control unit for generating one or more pre-recorded audio signals and an alarm sound during an ON or OFF operation of each of the traffic lights and a power supply unit for powering the operations of the traffic lights, the control unit and the speaker module. The speaker module is a detachable modular unit having a volume control means to adjust a volume level of the alarm sounds and the pre-recorded audio signals to a desired level for alerting pedestrians and vehicle drivers in proximity.

Classifications:

International (IPC 8-9): G08G1/005 G08G1/095 (Advanced/Invention)

CPC: G08G1/005 G08G1/095 G08G1/07

US: 1/1 340/916



Family:

Publication number	Publication date	Application number	Application date
US2019035263 AA	20190131	US20170664498	20170731

Priority:

US20170664498 20170731

Probable Assignee:

LOES MANASSE

Assignee(s) (std):

LOES MANASSE

Inventor(s) (std):

LOES MANASSE

2) Family number: 72577013 (US2018376357A)

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Title: SELF-ORGANIZED FLEETS OF AUTONOMOUS VEHICLES TO OPTIMIZE FUTURE MOBILITY AND CITY SERVICES

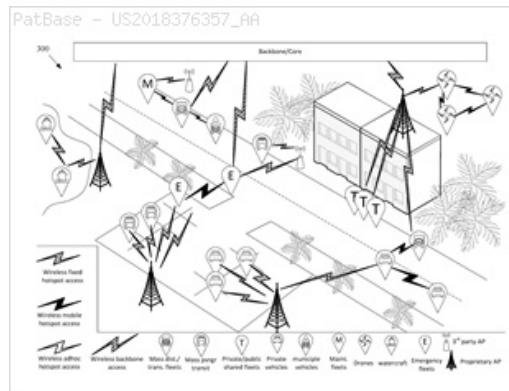
Abstract: Communication network architectures, systems and methods for supporting a network of mobile nodes. As a non-limiting example, various aspects of this disclosure provide autonomous vehicle network architectures, systems, and methods for supporting a dynamically configurable network of autonomous vehicles comprising a complex array of both static and moving communication nodes. In particular, systems and methods for operating self-organized fleets of autonomous vehicles.

Classifications:

International (IPC 8-9): H04L29/08 H04W24/04 H04W48/20
H04W64/00 (Advanced/Invention)

CPC: H04L67/10 H04L67/12 H04L67/18 H04L67/32 H04W24/08
H04W48/20 H04W84/18 H04W24/04 H04W64/003

US: 1/1 370/328



Family:

Publication number	Publication date	Application number	Application date
US2018376357 AA	20181227	US20180923388	20180316
US2019349794 AA	20191114	US20190521096	20190724
US10405215 BB	20190903	US20180923388	20180316

Priority:

US20170525247P 20170627 US20180923388 20180316 US20190521096 20190724

Probable Assignee: VENIAM INC

Assignee(s): (std): VENIAM INC

Inventor(s): (std): TAVARES COUTINHO NUNO ALEXANDRE ; MAGALHAES DE MATOS RICARDO JORGE ; CORDEIRO DE OLIVEIRA BARROS JOAO FRANCISCO

Agent(s): MCANDREWS HELD AND MALLOY LTD

3) Family number: 48203074 (US2011017529A)

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Title: TRULY ELECTRIC CAR

Abstract: Truly electric cars may make other cars obsolete. Not just gasoline cars, but other electric cars. Unlike gasoline cars, truly electric cars can be divided up into modules. Different fuels-gasoline, electricity from batteries, hydrogen-can be used to power the car by replacing a power unit. Car bodies can be updated to conform to changing fashion. Even while keeping the motors that power the car, still good for a million miles. Functions like four-wheel drive and electronic stability control can be done in software, so they can be fixed and upgraded cheaply. Motor controls can be software-based too, and upgraded over the Internet rather than requiring a mechanic's services. With electric motors in a car's wheels, it can beat any gasoline car, going from 0 to 100 miles per hour in 10 seconds, while getting 100 miles per gallon and going 1,000 miles on a tank of gas.

Classifications:

International (IPC 8-9): B60K1/00 (Advanced/Invention)

CPC: B60L1/003 B60L1/02 B60L3/0061 B60L3/108 B60L7/18 B60L8/003 B60L2220/42 B60L2220/44 B60L2240/12 B60L2240/18 B60L2240/20 B60L2240/461 B60L2260/28 Y02T10/6217 Y02T10/646 Y02T10/7077 Y02T10/7083 Y02T10/7275 Y02T10/645 Y02T10/72 Y02T10/7005 B60L15/2036 B60L50/62

European: B60L1/00B B60L1/02 B60L11/12D2 B60L15/20D B60L3/00F10 B60L3/10E2 B60L7/18 B60L8/00B L60L220/42 L60L220/44 L60L240/12 L60L240/18 L60L240/20 L60L240/461 L60L260/28 Y02T10/62F2 Y02T10/64D8 Y02T10/70B Y02T10/70J2 Y02T10/70J2B

US: 180/65.1 180/65.100P



Family:

Publication number	Publication date	Application number	Application date
US2011017529 AA	20110127	US20090509427	20090724

Priority:

US20090509427 20090724

Probable Assignee: TRULY ELECTRIC CAR CO A

Assignee(s): (std): TRULY ELECTRIC CAR CO A ; TRULY ELECTRIC CAR COMPANY A

Assignee(s): A TRULY ELECTRIC CAR CO ; A TRULY ELECTRIC CAR COMPANY

Inventor(s): (std): DURNEY EDWARD GORDON

4) Family number: 20748092 (US5950543A)

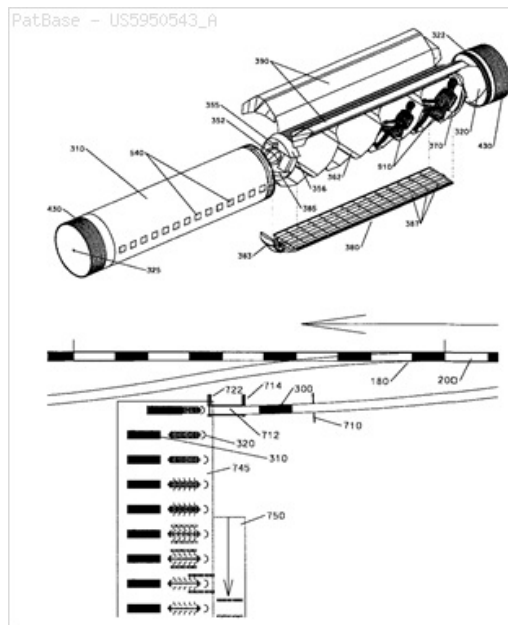
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Title: Evacuated tube transport

Abstract: An evacuated tube transport (ETT) system comprises: Evacuated tubes (200) along a travel route (100) for both directions; capsules (300) to transport occupants or cargo within the tubes; equipment (700) providing continuous transfer to tube while preserving vacuum; capsule suspension (400) that substantially eliminates drag; coordinated acceleration device (500); energy recovery braking (600); vibration control structures (820); tube alignment devices (230); automatic capsule switch (650) and synchronization (885); automated operation, inspection, and maintenance (810); methods of construction; redundant data (835), safety and security (880) systems. Low and high technology embodiments are comprehensively disclosed. Possibilities include replacement or augmentation of: vehicles, power lines, energy storage devices, power plants, heaters, air conditioning, water and sewer pipes, and communication cables and satellites. ETT provides continuous, environmentally benign, sustainable, local and international travel. Aerodynamic limitations, weather exposure, and obstacles are essentially eliminated; The system enables a quantum improvement in safety, speed and efficiency.

Classifications:**International (IPC 8-9):** B61B13/10 (Advanced/Invention);

B61B13/10 (Core/Invention)

International (IPC 1-7): B61B13/00**CPC:** B61B13/10 Y02T30/30 Y02T30/40**European:** B61B13/10 Y02T30/30 Y02T30/40**US:** 104/130.05 104/138.1 104/27 104/28**Family:**

Publication number	Publication date	Application number	Application date
AU199910717 A1	19990503	AU19990010717	19981008
US5950543 A	19990914	US19970948978	19971010
WO9919195 A1	19990422	WO1998US21204	19981008
WO9919195 C2	19990715	WO1998US21204	19981008

Priority:

US19970948978 19971010 WO1998US21204 19981008

Probable Assignee: ET 3COM INC**Assignee(s):** (std): ET3 COM INC ; OSTER DARYL G**Assignee(s):** DARYL G OSTER ; ET 3COM INC**Inventor(s):** (std): OSTER DARYL G ; OSTER DARYL**Inventor(s):** DARYL G OSTER

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

5) Family number: 32713095 (US2006048434A)

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Title: METHODS AND SYSTEMS FOR DEVELOPING AND DEPLOYING A REALISTIC, VIRTUAL FISHING EXPERIENCE WHICH PROVIDES OPPORTUNITIES FOR LEARNING TO FISH AND INSTANTANEOUS EXPERIENCE MEASUREMENT

Abstract: Methods and systems for simulating fishing, bringing together the ability of experts under relevant experiential conditions in a realistic virtual setting to provide an all inclusive, non-threatening learning experience. The invention enables cost effective testing of fishing equipment for efficacy under a wide variety of varying conditions. The invention further enables the instantaneous and continuous compilation, storage, display and analysis of data from this testing for a wide variety of uses.

Classifications:**International (IPC 8-9):** A01K61/00 A01K97/00 B01D21/30 C02F1/00

G05B19/418 G06F G06F13/00 G06F13/10 G06F15/177 G06F9/44

G06Q99/00 H04L H04L12/24 H04L12/28 (Advanced/Invention);

G06F15/177 H04L12/24 H04L12/28 (Advanced/Non-invention);

A01K61/00 A01K97/00 B01D21/30 C02F1/00 G05B19/418 G06F13/00

G06F15/16 G06F9/44 G06Q99/00 H04L12/24 H04L12/28 (Core/Invention)

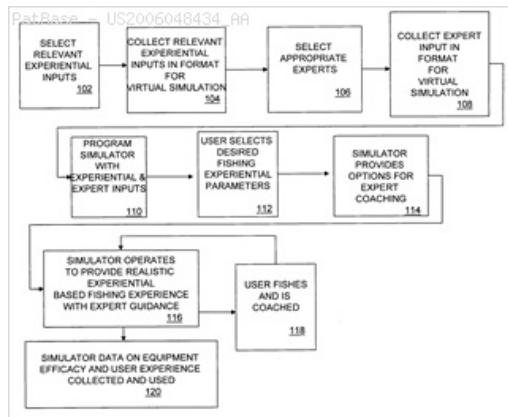
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CPC: G06Q99/00 G06Q10/04 G06Q30/0201 G06Q50/165 H04L41/0816
H04L41/082 H04L41/0846 H04L41/085 H04L41/0869 G06Q30/00
G06Q50/02 A01K97/00 A63F2300/8035 C02F1/00 H04L41/0836
H04L41/0803 H04L41/0806 H04L41/0813 A01K61/10 A01K63/04
A01K61/00 Y02A40/81

European: A01K61/00 A01K63/04 A01K97/00 C02F1/00 G06Q10/04
G06Q30/00 G06Q30/0201 G06Q50/02 G06Q50/165 G06Q99/00
H04L12/24E H04L12/24E1 H04L12/24E1A H04L12/24E1B H04L12/24E1B1
H04L12/24E1B2 H04L12/24E1B3D H04L12/24E1C2 H04L12/24E5A
H04L12/28H H04L41/08 H04L41/08A H04L41/08A1 H04L41/08A2
H04L41/08A2A H04L41/08A2B H04L41/08A3D H04L41/08A4B
H04L41/08C1 K63F300/80H T04L12/24E4 T04L41/08B

US: 119/215 119/219 210/143 210/739 370/254 370/254P 43/4 700/8
700/8P 705/1 705/1.1 705/1.100P 705/315 705/315S 705/7.29
705/7.290S 705/8 705/8S 705/9 705/9S 717/139 717/139S 717/168
717/168P

JP F-Term: 5B084 5B084/AB16 5B084/AB19 5B084/AB31 5B084/AB38
5B084/BA09 5B084/BB03 5B084/CA05 5B084/CB09 5B084/CD10
5B084/CE03 5B084/DB11 5K030 5K030/GA14 5K030/HA08 5K030/HB19 5K030/HD03 5K030/JA10 5K030/KA05 5K030/LD18

5K030/MC07 5K030/MC09 5K030/MD07 5K030/GA11 5K030/HB06 5K030/KA02 5K030/MD04 5K030/MD06 5K033 5K033/DB12
5K033/DB20 5K033/EA03 5K033/EC01 5K033/EC02
JP F-Index: G06F13/00/530/B H04L12/24 H04L12/28/200/M



Family:

Publication number	Publication date	Application number	Application date
CA2577931 AA	20070220	CA20052577931	20050901
CA2577932 AA	20070220	CA20052577932	20050901
CN101057451 A	20071017	CN200580038174	20050901
CN101057451 B	20110803	CN200580038174	20050901
CN101069383 A	20071107	CN200580038109	20050901
DE602005035421 D1	20120927	DE200560035421T	20050901
EP1790121 A1	20070530	EP20050775983	20050901
EP1790121 A4	20141231	EP20050775983	20050901
EP1790122 A1	20070530	EP20050783347	20050901
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EP1790122 B1	20120801	EP20050783347	20050901
HK1111837 A1	20080815	HK20080102477	20080304
HK1111837 A3	20080815	HK20080102477	20080304
HK1113524 A1	20081003	HK20080102822	20080311
HK1113524 A3	20081003	HK20080102822	20080311
IN01436DN2007 A	20070803	IN2007DN01436	20070222
IN01504DN2007 A	20070803	IN2007DN01504	20070226
JP2008511898 T2	20080417	JP20070529777T	20050901
JP2008512041 T2	20080417	JP20070529776T	20050901
KR20070046950 A	20070503	KR20077006795	20070326
KR20070056121 A	20070531	KR20077006794	20070326
NO20071506 A	20070529	NO20070001506	20070322
NO20071506 L	20070529	NO20070001506	20070322
NO20071756 A	20070515	NO20070001756	20070402
NO20071756 L	20070515	NO20070001756	20070402
RU2007111901 A	20081010	RU20070111901	20050901
RU2007111919 A	20081010	RU20070111919	20050901
TW200614726 A	20060501	TW20050129946	20050831
TW200616373 A	20060516	TW20050130074	20050902
US2006048434 AA	20060309	US20050212489	20050826
US2006048713 AA	20060309	US20050212484	20050826
US2006049113 AA	20060309	US20050212493	20050826
US2006053028 AA	20060309	US20050212501	20050826
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US2006054098 AA	20060316	US20050212502	20050826
US2006056315 AA	20060316	US20050035688	20050113
US2006085083 AA	20060420	US20050215840	20050829
WO06025787 A1	20060309	WO2005SE01261	20050901
WO06025788 A1	20060309	WO2005SE01262	20050901
WO06088550 A2	20060824	WO2005US45660	20051214
WO06088550 A3	20070518	WO2005US45660	20051214

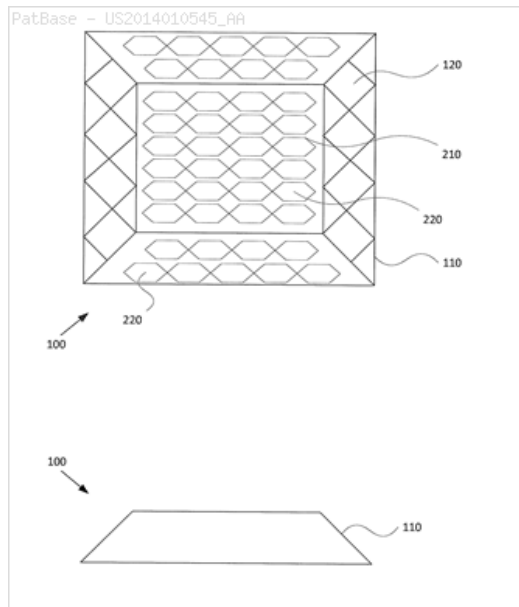
Priority:

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US20040607092P	20040903	US20040607093P	20040903	US20040607094P	20040903
US20040607232P	20040903	US20040616595P	20041006	US20040636339P	20041214
US20050035688	20050113	US20050212489	20050826	US20050212484	20050826
US20050212493	20050826	US20050212502	20050826	US20050212501	20050826
US20050215840	20050829	EP20050783347	20050901	US20050219313	20050901
WO2005SE01262	20050901	WO2005SE01261	20050901		

Probable Assignee: PACKETFRONT SWEDEN AB

Assignee(s): (std): AITHEN DAVID M ; AITKEN DAVID M ; BANERJEE ROBI L ; CONGEL ROBERT ; CONGEL ROBERT J ; CONGEL STEPHEN ; DESTINY USA ; PACKETFRONT SWEDEN AB ; OEMAN ANDREAS ; LUNDSTROEM MAGNUS ; LUSK ROBERT D ; KENAN BRUCE A ; LORENZ MIKE ; O MARA TINA ; PIETRAFESA RICHARD C ; PACKETFRONT

E01F9/50 G01S19/10 G06K9/32 H02J7/35 H03C1/52 H04B1/3888
H04B10/00 H04M1/00 H04W36/08 H04W84/12 H04W88/04 (Advanced/Non-
invention);
H04W (Subclass/Invention)
CPC: H04B7/2606 H04W88/06 H04W88/085 H04W4/80 H04W4/028
H04W76/02 H04W48/04 Y04S40/18 Y02T10/90 H04W4/026 H04B1/40
H04W40/02 H02J7/14 G06K9/18 G06K9/2063 G06K9/78 G06K2209/15
E01F9/30 G06F2221/2111 H04W48/08 G01S1/68 G01S5/02 G01S7/003
G01S13/92 G01S19/10 G01S19/48 G06K9/325 H02J7/35 H04B1/3888
H04W4/025 H04W4/027 H04W4/029 H04W4/44 H04W16/26 H04W36/08
H04W84/12 H04W88/04 H04L67/12 H04W36/14 H04W36/32 E01F9/60
H04B7/15507 H04W4/40 H04W76/10 H04W88/08
US: 1/1 370/328 370/338 398/115 455/106 455/434 455/436 455/456.2
455/456.5 455/556.1 455/561 455/572 455/573 455/73
JP F-Term: 5H181 5H181/AA01 5H181/BB04 5H181/CC04 5H181/CC12
5H181/CC14 5H181/DD10 5H181/MC04 5H181/MC12 5J057 5J062
5J062/AA08 5J062/CC07 5J070 5J070/AC02 5J070/AC06 5J070/AC15
5J070/AE01 5J070/AF01 5J070/BD08 5K067 5K067/AA21 5K067/BB21
5K067/BB43 5K067/EE02 5K067/EE10 5K067/EE13
JP F-Index: G01S1/68 G01S13/91 G01S19/14 G08G1/052
H04W4/04/111 H04W4/44



Family:

Publication number	Publication date	Application number	Application date
AU2014227702 AA	20151022	AU20140227702	20140314
AU2014227702 BB	20160616	AU20140227702	20140314
AU2016219683 AA	20160915	AU20160219683	20160826
AU2016219683 BB	20180823	AU20160219683	20160826
AU2016219686 AA	20160915	AU20160219686	20160826
AU2016219686 BB	20171109	AU20160219686	20160826
CA2906021 AA	20150911	CA20142906021	20140314
CA2906021 C	20180306	CA20142906021	20140314
CO20160006170 A2	20170130	CO20160006170	20160902
DE202013012561 U1	20170914	DE201320012561U	20130520
DE602014028345 D1	20180809	DE201460028345T	20140314
EP2870698 A1	20150513	EP20130813585	20130520
EP2870698 A4	20160316	EP20130813585	20130520
EP2974519 A1	20160120	EP20140764353	20140314
EP2974519 A4	20160831	EP20140764353	20140314
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HK1216365 A1	20161104	HK20160104293	20160414
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IN09127DN2015 A	20160205	IN2015DN09127	20151005
JP2016522594 T2	20160728	JP20160502838T	20140314
MX2015013030 A1	20170427	MX20150013030	20140314
MX358556 B	20180824	MX20150013030	20140314
US2014010545 AA	20140109	US20130840578	20130315
US2016029285 AA	20160128	US20150876673	20151006
US2016249229 AA	20160825	US20160145697	20160503
US2016249273 AA	20160825	US20160145732	20160503
US2016366543 AA	20161215	US20160249320	20160826
US2017005717 AA	20170105	US20160267013	20160915
US2017288722 AA	20171005	US20170620647	20170612
US2017289821 AA	20171005	US20170620624	20170612
US2017290091 AA	20171005	US20170620476	20170612
US2017290092 AA	20171005	US20170620598	20170612
US8447239 BA	20130521	US20120646537	20121005
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US9763107 BB	20170912	US20160145697	20160503
US9806792 BB	20171031	US20160267013	20160915
US9955362 BB	20180424	US20170620624	20170612
US10015679 BB	20180703	US20160145732	20160503
US10056965 BB	20180821	US20170620476	20170612
US10057786 BB	20180821	US20170620647	20170612
WO14007916 A1	20140109	WO2013US41881	20130520
WO14144250 A1	20140918	WO2014US28579	20140314

Priority:

US20120668867P	20120706	US20120646537	20121005	US20130840578	20130315
EP20130813585	20130520	WO2013US41881	20130520	AU20140227702	20140314
EP20140764353	20140314	WO2014US28579	20140314	US20150876673	20151006
US20160145697	20160503	US20160145732	20160503	AU20160219683	20160826
AU20160219686	20160826	US20160249320	20160826	US20160267013	20160915

Probable Assignee: NEUTRONIC PERPETUAL INNOVATIONS OPERATING LLC**Assignee(s):** (std): NEUTRONIC PERPETUAL INNOVATIONS LLC ; NEUTRONIC PERPETUAL INNOVATIONS OPERATING LLC**Assignee(s):** BERRY TERRANCE ; NEUTRONIC PERPETUAL INNOVATIONS LLC IRVING**Inventor(s):** (std): BERRY TERRANCE ; TERRANCE BERRY**Inventor(s):** ARRANGED BY INT PATENT CLASSIFICATION ; 454 524 ; BERRY TERRANCE IRVING**Agent(s):** FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; BLAKE CASSELS AND GRAYDON LLP; JUAN PABLO CADENA SARMIENTO; DRIVER VIRGINIA ROZANNE; ECCLES AND LEE; REQUESTS TO RECORD PUBLISHED ARRANGED BY PUBLICATION NO; ASAMURA PATENT OFFICE PC; DOYLE DAVID M ET AL; RODRIGUEZ MICHAEL G 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 HW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**8) Family number: 34254191** (US2007050240A)

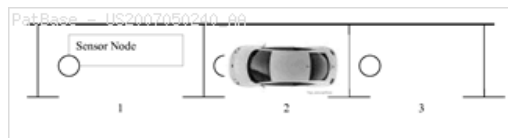
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Title: WIRELESS PARKING GUIDANCE SYSTEM

Abstract: A parking guidance system tracks available parking spaces and leads users to vacant spots through display boards placed at strategic locations in the parking lot. Sensor nodes are deployed at parking spaces or within traffic lanes to monitor parking space occupancy and wirelessly transmit this information. The sensor nodes form a wireless network that routes the knowledge of available spaces to the corresponding display boards and updates them in real time. Parking availability information may also be shared with users in a variety of other ways such as through the Internet, personal digital assistants, computers, mobile telephones, in-vehicle dashboards, and others.

Classifications:**International (IPC 8-9):** B60Q1/48 G06F17/00 G06F19/00 G07B15/02

G08G1/14 H04Q7/20 (Advanced/Invention)

CPC: G08G1/14 G06Q30/0284**European:** G06Q30/0284 G08G1/14**US:** 340/932.2 340/932.200S 705/13 705/13P 705/418 705/418P**Family:**

Publication number	Publication date	Application number	Application date
US2007050240 AA	20070301	US20060468722	20060830
US2011099126 AA	20110428	US20060468724	20060830
WO07027818 A1	20070308	WO2006US33929	20060830
WO07027945 A1	20070308	WO2006US34107	20060830

Priority:

US20050596089P 20050830

US20060468722 20060830

US20060468724 20060830

Probable Assignee: SENSACT APPLICATIONS INC**Assignee(s):** (std): BELANI ESHWAR ; GODBOLE SANTOSH ; JAIN NEHA ; PRABHU HARISH ; RAJASINGH SAMUEL ; RANGARAJAN MALA ; SENSACT APPLIC INC ; SIDDESH SUSHIL**Assignee(s):** SENSACT APPLICATIONS INC**Inventor(s):** (std): BELANI ESHWAR ; RANGARAJAN MALA ; SIDDESH SUSHIL ; PRABHU HARISH ; GODBOLE SANTOSH ; RAJASINGH SAMUEL ; JAIN NEHA**Agent(s):** AKA CHAN LLP**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**9) Family number: 55023231** (US8570189B)

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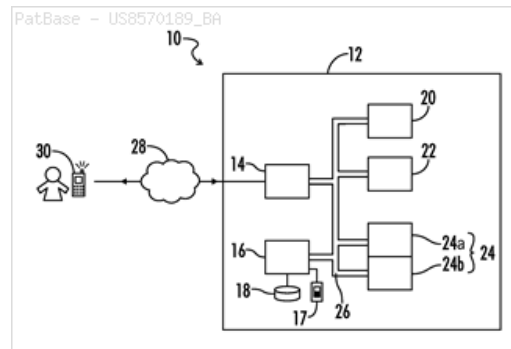
Title: MULTIFUNCTION TRAFFIC CONTROL AND INFORMATION SYSTEM

Abstract: A multifunction traffic control and information system of the present invention includes external condition sensors and various devices each having one or more display portions to display alphanumeric messages and a local communications module functionally linked to a local network. At least one device further includes a cellular communications module and a system controller. The controller receives a display data string including a message displayable by one or more of the devices, as transmitted from a remote source via a cellular network, determines at least one of the devices to display the message, and routes the message to at least one display portion associated with the one or more determined devices. The controller further generates a return data string based on external condition data sensed by the one or more sensors, and transmits the return data string across the cellular network to the remote source.

Classifications:**International (IPC 8-9):** G08G1/09 (Advanced/Invention)**CPC:** G08G1/0133 G08G1/0141 G08G1/096741 G08G1/096775

G08G1/0112 G08G1/096716

US: 340/901 340/905 340/907



Family:

Publication number	Publication date	Application number	Application date
US8570189 BA	20131029	US20110103542	20110509

Priority:

US20100333129P 20100510 US20110103542 20110509

Probable Assignee: CASEBOLT ERIC

Assignee(s): (std): CASEBOLT ERIC

Inventor(s): (std): CASEBOLT ERIC

Agent(s): EMILY A; WADDEY AND PATTERSON PC; GARY L

10) Family number: 73342234 (US2019068434A)

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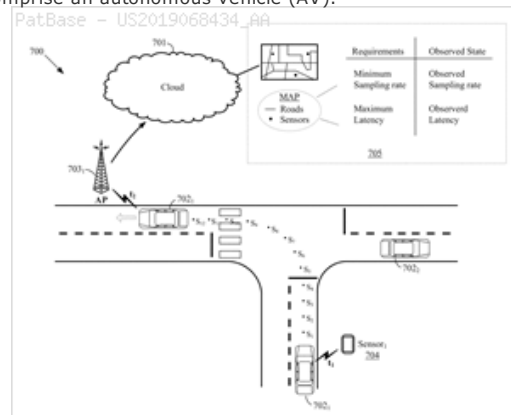
Title: METHODS AND SYSTEMS FOR OPTIMAL AND ADAPTIVE URBAN SCANNING USING SELF-ORGANIZED FLEETS OF AUTONOMOUS VEHICLES

Abstract: Methods and systems are provided for optimal and adaptive urban scanning using self-organized fleets of autonomous vehicles. A mobile access point (MAP) may obtain, while operating within a communication network comprising one or more mobile access points (MAPs) and one or more fixed access points (FAPs), sensory information relating to an infrastructure utilized by the MAPs. The MAP may store the sensory information, may determine when access to a central entity, configured for managing the infrastructure and/or the communication network, is available via at least one fixed access point (FAP), and when access to the central entity is available, communicate the obtained sensory information. The MAP may include on-board sensors for directly obtaining at least some of the sensory information. The MAP may obtain at least some of the sensory information from fixed sensors deployed within or near the infrastructure. The MAP may comprise an autonomous vehicle (AV).

Classifications:

International (IPC 8-9): G05D1/02 H04L12/24 H04W4/38 H04W84/00 H04W88/10 (Advanced/Invention)

CPC: H04L41/0806 H04L43/08 H04W4/029 H04W4/38 H04W4/40 G05D1/0287 H04L41/048 H04W84/005 H04W88/10 G08G1/0112 G08G1/012 G08G1/0129 G08G1/0141 G08G1/052 G08G1/20 H04W48/16
US: 1/1



Family:

Publication number	Publication date	Application number	Application date
US2019068434 AA	20190228	US20180975399	20180509

Priority:

US20170550116P 20170825 US20180975399 20180509

Probable Assignee: VENIAM INC

Assignee(s): (std): VENIAM INC

Inventor(s): (std): MOREIRA DA MOTA EDUARDO DA CRUZ ANTUNES

11) Family number: 65330280 (US2017232300A)

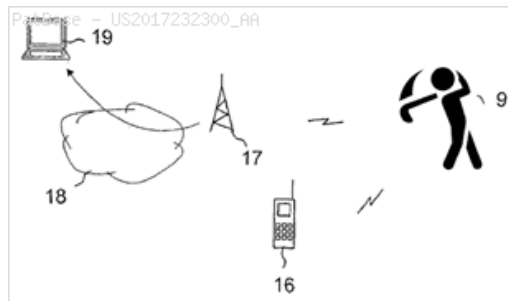
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Title: SMART DEVICE

Abstract: An Internet of Thing (IoT) device includes a camera coupled to a processor; and a wireless transceiver coupled to the processor. Blockchain smart contracts can be used with the device to facilitate secure operation.

Classifications:

International (IPC 8-9): A42B3/04 A61B5/00 A61B5/0205 A61B5/0404 A61B5/11 A63B24/00 A63B43/00 A63B60/46 A63B69/36 A63B69/38 A63B71/00 A63B71/06 A63B71/14 A63F11/00 A63F13/00 A63F13/211 A63F13/212 B33Y10/00 B33Y80/00 B60Q1/00 G01L5/00 G01L5/10 G01L5/22 G01M17/02 G01M17/06 G01N29/00 G01N29/14 G01N29/44 G01P15/08 G01P15/18 G06F1/16 G06F17/30 G06F19/00 G06F3/00 G06F3/01 G06K19/02 G06K19/077 G06K9/00 G06K9/78 G06N5/04 G06N99/00 G06Q20/36 G06Q20/40 G06Q40/08 G06T17/00 G09B19/00 G16H20/30 G16H30/20 G16H40/60 G16H40/63 G16H40/67 G16H50/20 H04B1/3827 H04L9/32 H04N5/225 H04N7/18 H04Q9/00 H04W4/02 H04W4/38 H04W84/18 (Advanced/Invention); A42B3/04 A61B5/00 A61B5/01 A61B5/0205 A61B5/024 A61B5/0402 A61B5/0488 A61B5/053 A61B5/055 A61B5/11 A61B5/22 A63B21/072 A63B69/00 A63B69/02 A63B69/06 A63B69/16 A63B69/36 A63B71/08 A63B71/10 A63B71/12 A63B71/14 A63F13/211 G06K9/62 G16H50/20 H04B1/04 H04B1/38 H04L29/08 H04N7/18 H04W84/18 H04W88/02 (Advanced/Non-invention) **CPC:** G06K9/6277 H04N7/185 H04L67/04 H04L67/125 H04L67/20 H04L67/22 H04L67/303 H04L67/32 H04L69/40 G06F19/345 A61B5/0024 A61B5/1121 A61B5/6803 A61B5/7282 G16H10/40 G16H15/00 G16H40/20 G16H70/40 A61B5/0205 G01N2291/044 A42B3/046 A61B5/1128 A61B5/163 A61B5/165 A61B5/18 A61B5/681 A61B5/6826 A61B5/6893 G01L5/10 G01L5/226 G01N29/14 G01N2291/02483 G06K9/00389 G06K9/00805 G06K9/2018 G06K9/228 G06K9/4604 G06K9/4633 G06K9/4671 G06K9/6205 H04L67/38 H04N5/2257 H04W4/027 H04W4/80 A61B5/02055 A61B5/02416 A61B5/0488 A61B5/1123 A61B5/224 A61B5/6898 A61B5/7203 A61B5/7264 A63F13/212 A63F13/245 A63F13/25 A63F13/5255 A63F2300/8082 B33Y80/00 G01M17/02 G01M17/06 G01N29/4436 G01N2291/0258 G06N7/005 H04B1/385 H04L67/18 H04N7/183 A61B5/0404 G01N29/00 G01P15/0802 G01P15/18 G06K9/00302 G06K9/78 G06N5/04 G06N20/00 H04B1/38 G06Q20/02 G06Q20/382 G06Q2220/00 G16H10/60 G16H80/00 H04L9/3239 A63B60/16 H04L2209/38 G16H40/60 H04L9/321 H04L9/3236 H04L9/3247 H04L2209/56 G06F1/1694 G06F3/011 G06F3/012 G06F3/013 G06F3/014 G06F2203/011 G06F2203/0384 G06Q10/08 G06Q30/0241 G06Q30/06 G16H30/40 H04L67/12 H04N5/232 H04N5/247 A61B5/1116 A61B5/1118 A61B5/112 G06K9/00496 G16H50/30 G16H50/70 A61B5/0022 A61B5/01 A61B5/024 A61B5/0402 A61B5/053 A61B5/0533 A61B5/055 A61B5/11 A61B5/4872 A61B5/6806 A61B5/6895 A61B2503/10 A61B2562/0219 A63B21/072 A63B21/0724 A63B21/0726 A63B43/004 A63B60/46 A63B69/0002 A63B69/0026 A63B69/0028 A63B69/0048 A63B69/0071 A63B69/02 A63B69/06 A63B69/16 A63B69/36 A63B69/3632 A63B69/38 A63B71/06 A63B71/085 A63B71/10 A63B71/1216 A63B71/1291 A63B71/141 A63B71/145 A63B2071/1233 A63B2071/125 A63B2071/1283 A63B2207/02 A63B2220/12 A63B2220/13 A63B2220/16 A63B2220/20 A63B2220/24 A63B2220/30 A63B2220/40 A63B2220/51 A63B2220/53 A63B2220/56 A63B2220/72 A63B2220/74 A63B2220/75 A63B2220/76 A63B2220/803 A63B2220/806 A63B2220/807 A63B2220/833 A63B2220/836 A63B2225/30 A63B2225/50 A63B2225/54 A63B2230/06 A63B2230/60 A63B2230/70 A63B2243/0025 A63B2243/0037 A63B2243/0054 A63B2243/0066 A63B2243/007 A63B2243/0095 A63B2244/102 A63B2244/18 A63B2244/19 A63B2244/20 A63B2244/203 B33Y10/00 G01L5/0052 G06F1/163 G06K9/00342 G06K9/00355 G06K9/00671 G06Q40/08 G09B19/0038 G16H20/30 G16H30/20 G16H40/63 G16H40/67 G16H50/20 G06F3/00 H04W84/18 A42B3/0433 A61B5/6804 A63B24/0006 A63B24/0021 A63B24/0062 A63B24/0075 A63B2208/0204 A63B2230/04 A63B2230/50 A63F11/00 A63F13/211 G06F3/017 G06K19/025 G06K19/07762 G09B19/003 H04B1/04 H04L67/10 H04N5/2253 H04N7/18 H04Q9/00 H04Q2209/40 H04W4/38 H04W88/02 **US:** 1/1 340/870.07 340/870.3 434/247 700/91



Family:

Publication number	Publication date	Application number	Application date
US2017232300 AA	20170817	US20170586199	20170503
US2017312578 AA	20171102	US20170626087	20170617
US2017312614 AA	20171102	US20170626099	20170617
US2017318360 AA	20171102	US20170624014	20170615
US2018001183 AA	20180104	US20170407255	20170117
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US9717949 BA	20170801	US20170407248	20170116
US9717958 BA	20170801	US20170407257	20170117
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US10022614 BA	20180717	US20170612808	20170602
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US10532268 BB	20200114	US20180973524	20180507

Priority:

US20160013957 20160202	US20160144773 20160502	US20170407248 20170116
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US20180990550 20180525
US20180207154 20181202

Probable Assignee: TRAN BAO
Assignee(s): (std): TRAN BAO ; TRAN HA
Inventor(s): (std): TRAN HA ; TRAN BAO
Agent(s): TRAN AND ASSOCIATES

12) Family number: 41743308 (US2008094025A)

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Title: SOLAR CELLS ON PORTABLE DEVICES

Abstract: Solar cells are integrated into a portable device. Multiple cells are arranged on the surface of the device such that a number of solar cells may always be functional and produce a desired voltage even if the rest is obstructed. Information regarding solar cells' functions or performances can be displayed either on the device's main display or on top of the solar cells. Solar cells are typically stacked with other layers made of transparent or semi-transparent materials. These layers are glued with shock absorbent materials. Some of these layers may be used for display or input purposes, and some layers may be coated with various materials or they may be etched with product logos or other patterns. This stack of layers may be attached to the device's frame through a shock absorber.

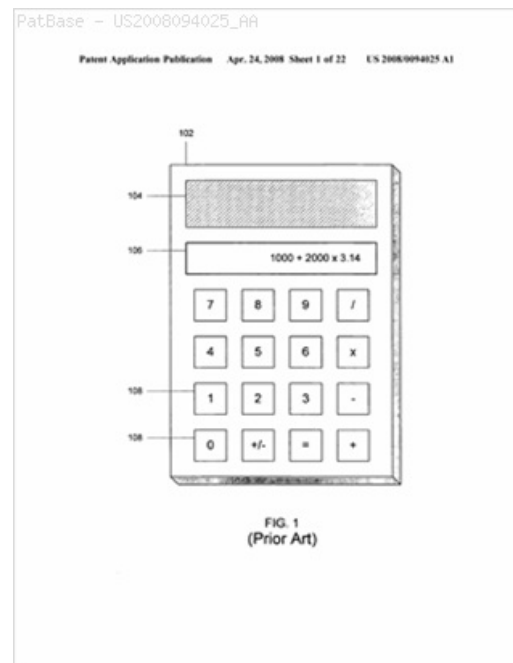
Classifications:

International (IPC 8-9): H02J7/00 (Advanced/Invention);
H02J7/00 (Core/Invention)

CPC: G06F1/1626 G06F1/1635 G06F1/1656 G06F1/263 H02J7/35
G06F1/1616

European: G06F1/16P1F G06F1/16P3 G06F1/16P9B G06F1/16P9E
G06F1/26B H02J7/35M

US: 320/101 320/101P



Family:

Publication number	Publication date	Application number	Application date
US2008094025 AA	20080424	US20060584073	20061020

Priority:

US20060584073 20061020

Probable Assignee: APPLE INC

Assignee(s): (std): LEIBA AARON ; PREST CHRISTOPHER DAVID ; ROSENBLATT MICHAEL N ; ROTHKOPF FLETCHER

Assignee(s): APPLE COMPUTER INC ; APPLE INC

Inventor(s): (std): LEIBA AARON ; PREST CHRISTOPHER DAVID ; ROSENBLATT MICHAEL N ; ROTHKOPF FLETCHER

Agent(s): BLAKELY SOKOLOFF TAYLOR AND ZAFMAN

13) Family number: 42460326 (US2008275802A)

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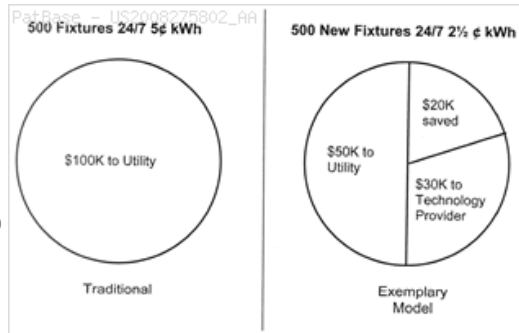
Title: SYSTEM AND METHOD FOR A UTILITY FINANCIAL MODEL

Abstract: A utility financial model involves the setting of a new utility rate after the introduction of a new utility technology that provides immediate capacity relief, reducing the base load capacity and the peak load capacity to electric power providers. The new utility rate is not based solely on performance of the new utility technology but rather based on fixed and variable costs to introduce the new utility technology.

Classifications:

International (IPC 8-9): B05B15/00 B60Q1/06 E04D13/03 F21L4/00
F21S11/00 F21S13/10 F21S19/00 F21S8/00 F21S8/08 F21V1/00
F21V21/00 F21V21/02 F21V21/116 F21V21/30 F21V23/04 F21V29/00
F21V7/00 G01J1/32 G01R21/133 G02B17/00 G02B21/00 G05B15/02
G05B19/00 G05D11/00 G05D25/00 G05D25/02 G05D3/12 G05F1/66
G05G5/00 G06F1/26 G06M7/00 G06Q20/14 G06Q30/00 G06Q30/02

G06Q30/04 G06Q40/00 G06Q90/00 G06Q99/00 G06T7/20 G08C19/12
G08G1/01 G08G1/017 G08G1/07 G08G1/097 G09F13/02 G09F15/00
H01J7/00 H01J9/24 H02J3/00 H04B3/36 H04N5/225 H04N5/232 H04N7/18
H04W4/00 H04W4/70 H05B33/08 H05B37/00 H05B37/02 H05B41/36
H05B41/38 H05B41/46 (Advanced/Invention);
F21S8/00 F21W131/10 F21W131/103 F21W131/107
F21Y103/00 (Advanced/Non-invention);
E04D13/03 F21L4/00 F21V1/00 F21V29/00 F21V7/00 G01J1/10
G05D11/00 G05D25/00 H01J9/24 H05B37/00 H05B37/02 (Core/Invention)
CPC: G06Q20/145 G06Q30/00 G06Q40/00 G06Q50/06 E04D13/004
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F21W2131/103 F21S8/033 F21S8/086 F21W2131/10 F21W2131/107
F21Y2103/00 G06Q99/00 F21V21/02 F21S8/088 F21S8/036 F21V23/0471
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R21S8/03G R21W131/10 R21W131/103 R21Y103/00 Y02B20/42 Y02B20/46 Y02B20/72
US: 1/1 236/16 239/289 239/289P 250/205 250/205P 250/205S 250/221 29/428 315/129 315/129S 315/150 315/152 315/152P
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340/5.61 340/825.52 340/9.1 340/910 340/910P 340/917 340/917S 340/931 340/933 340/937 348/143 348/143P 348/152
348/155 348/E7.085 348/E70.85S 359/597 359/598 362/1 362/145 362/184 362/184P 362/217.16 362/217.160S 362/235
362/235S 362/267 362/267S 362/276 362/296.01 362/296.010S 362/396 362/427 362/427S 362/555 362/557 362/558 362/576
40/559 445/23 445/23S 455/7 455/7P 52/101 52/200 700/11 700/19 700/22 700/291 700/295 700/295P 700/295S 700/296
702/130 705/14.1 705/14.100P 705/34 705/34P 705/35 705/35P 705/35S 705/37 705/38 705/40 705/412 705/412S 705/500
705/500P 705/60 705/7 705/7.37



Family:

Publication number	Publication date	Application number	Application date
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US2009000217 AA	20090101	US20080203825	20080903
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Probable Assignee: ORION ENERGY SYSTEMS INC

Assignee(s): (std): BARTOL ANTHONY J ; CZAJA JR DANIEL J ; FRANZEN RYAN M ; KING BRANDON J ; ORION ENERGY SYSTEMS INC ; POTTS MICHAEL J ; VERFUERTH NEAL R ; POTTS MICHAEL H ; WANG JUN ; SMASAL ERIC A ; WETENKAMP KENNETH J

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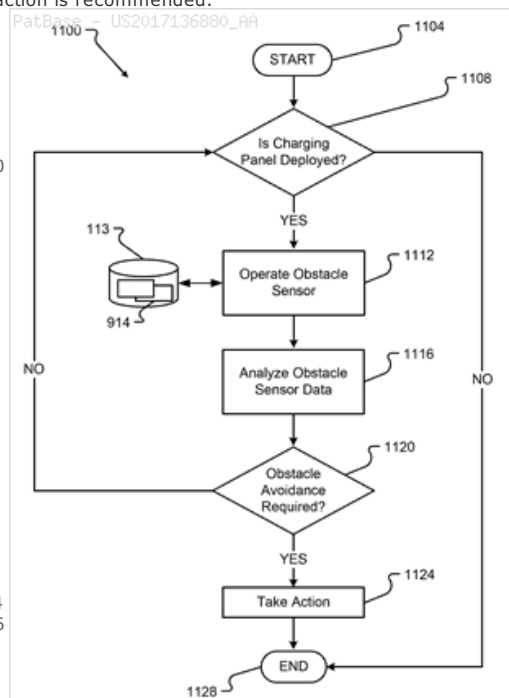
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Title: ELECTRIC VEHICLE CHARGING DEVICE OBSTACLE AVOIDANCE AND WARNING SYSTEM AND METHOD OF USE

Abstract: Techniques for electric vehicle systems, and in particular to an electric vehicle charging device obstacle avoidance system and method of use. In one embodiment, a system for obstacle avoidance of a charging panel of an electrical vehicle is disclosed, the system comprising: a charging panel interconnected to the electric vehicle; an actuator interconnected to the charging panel, the actuator configured to position the charging panel; at least one sensor configured to sense an obstacle location measurement in a predicted travel path of the electric vehicle; and an obstacle avoidance controller that receives the obstacle location measurement and determines if an obstacle avoidance action is recommended.

Classifications:

International (IPC 8-9): A61B5/01 A61B5/024 A61B5/08 A61B5/1171 A61B5/1172 A61B5/16 A61B5/18 A61P35/00 B08B7/02 B60C19/00 B60C23/04 B60K35/00 B60L11/00 B60L11/10 B60L11/18 B60L3/00 B60L5/00 B60L5/06 B60L5/08 B60L5/16 B60L5/24 B60L5/28 B60L5/42 B60L53/12 B60L53/124 B60L53/14 B60L53/30 B60L53/35 B60L53/36 B60L53/38 B60L53/60 B60L53/63 B60L53/64 B60L53/65 B60L53/66 B60L53/80 B60L7/18 B60L8/00 B60M1/36 B60M7/00 B60R1/00 B60R11/04 B60R16/04 B60R25/102 B60R25/20 B60R99/00 B60S1/08 B60S1/54 B60S1/62 B60S5/00 B60W10/04 B60W10/18 B60W10/20 B60W20/13 B60W20/14 B60W30/08 B60W30/09 B60W30/18 B60W40/04 B60W40/08 B60W40/09 B60W40/105 B60W50/00 B60W50/02 B60W50/032 B60W50/08 B60W50/14 B62D15/00 B62D15/02 B62D35/02 B62D39/00 B64C39/02 B64D39/00 C07D C07D401/04 C07D401/10 C07D401/14 C07D471/04 C07D495/04 G01C21/00 G01C21/16 G01C21/34 G01C21/36 G01R31/36 G01R31/42 G01S13/86 G01S13/87 G01S13/93 G01S15/02 G01S17/89 G01S17/93 G01S7/40 G01S7/481 G01S7/497 G02B27/00 G05B15/02 G05D1/00 G05D1/02 G06F11/14 G06F15/16 G06F16/248 G06F16/29 G06F16/95 G06F16/951 G06F17/30 G06F19/00 G06F21/31 G06F21/32 G06F21/62 G06F3/01 G06F8/61 G06F8/65 G06F9/44 G06F9/445 G06K19/07 G06K7/10 G06K9/00 G06Q10/00 G06Q10/06 G06Q20/10 G06Q20/12 G06Q20/14 G06Q20/30 G06Q20/32 G06Q20/40 G06Q30/00 G06Q30/02 G06Q30/06 G06Q50/06 G06T7/174 G07B15/06 G07C5/00 G07C5/02 G07C5/08 G07C9/00 G07F15/00 G08B21/00 G08G1/00 G08G1/017 G08G1/0962 G08G1/0967 G08G1/0968 G08G1/16 H01B5/00 H01F27/36 H01F38/14 H01G11/12 H01G11/22 H01G11/78 H01M10/42 H01M10/44 H01M10/46 H01M10/48 H01M2/10 H01M2/20 H01Q1/32 H01Q21/30 H02J3/08 H02J5/00 H02J50/12 H02J50/70 H02J50/80 H02J50/90 H02J7/00 H02J7/02 H02J7/04 H02J7/12 H02J7/14 H02J7/35 H04B10/80 H04B5/00 H04L12/24 H04L29/06 H04L29/08 H04L9/32 H04M1/725 H04Q5/22 H04W12/02 H04W12/04 H04W12/06 H04W4/00 H04W4/02 H04W4/04 H04W4/40 H04W4/44 H04W4/46 H04W4/80 H05K9/00 (Advanced/Invention); B60K35/00 B60K6/20 B60L11/00 B60L11/18 B60L5/24 B60L53/12



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US20170423186	20170202	WO2017US62643	20171120	US20170462213	20171120
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Probable Assignee: NIO USA INC

Assignee(s): (std): NEXTEV LTD ; NEXTEV USA INC ; NIO USA INC ; TRANSLATIONAL DRUG DEV LLC ; TRANSLATIONAL DRUG DEVELOPMENT LLC ; TONG WANG ; STEPHEN GATELY ; NEXT EV USA INC

Assignee(s): NEXTEV

Inventor(s): (std): RICCI CHRISTOPHER ; WANG TONG ; GATELY STEPHEN ; STEPHEN GATELY ; TONG WANG ; NORTH CRAIG ; HIRSHBERG YANIR ; COX JONATHAN A ; MURALIDHAR GAUTAM ; BAIK EDWARD H ; SINGHAL ABHISHEK ; POULIOT CHRISTOPHER F ; XIAO FEI ; FREYTAG PATRICK ; NEWMAN AUSTIN L ; RICCI CHRISTOPHER P ; BAIK EDWARD ; COX JONATHAN ; POULIOT CHRISTOPHER ; NEWMAN AUSTIN

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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