

Title: SYSTEM OF SMART MULTI -FUNCTIONAL TRAFFIC LIGHT USING ORGANIC SOLAR CELL

Abstract: The present invention is related to a system of smart multi-functional traffic light using organic solar cell. The system comprises organic solar cell, power storage, a display using organic Light Emitting Diodes, lamp modules, light intensity sensors, communication module and a computing device. The system is functioned as multi-purpose for traffic light and information display without using any external power source. It present high efficacy of use of solar power into display and traffic signal indication compare to existing state of knowledge.

Classifications:

International (IPC 8-9): H01L51/4246

Family:

Publication number	Publication date	Application number	Application date
IN201911030347 A	20190809	IN201911030347	20190726

Priority:

IN201911030347 20190726

Assignee(s): AJAY B GADICHA ; CHETAN JAGANNATH SHELKE ; PASULURI BINDU SWETHA ; PRADEEP N ; S FOWZIA SULTANA ; S SAMPATH ; SANDEEP KAUTISH ; SOWMYA GALI ; UDIT MAMODIYA

Inventor(s): AJAY B GADICHA ; CHETAN JAGANNATH SHELKE ; PASULURI BINDU SWETHA ; PRADEEP N ; S FOWZIA SULTANA ; S SAMPATH ; SANDEEP KAUTISH ; SOWMYA GALI ; UDIT MAMODIYA

Title: TRAFFIC VIOLATION DETECTION SYSTEM

Abstract: The traffic violation detection system includes a series of smart road studs embedded in the roadway acting as sensors for vehicles moving in the prohibited manner. The road studs have a refraction surface on their upper surfaces for reflecting light to a solar panel, or may have the solar panel without the refraction surface. When the road studs initially sense a violating moving vehicle, an alert is sounded to warn the driver. If the vehicle continues to move in violation, a camera system is activated. The camera system includes solar panels, a camera lens, a light emitting flash mechanism, a distance IR sensor, and controls, all positioned on top of a vertically movable, hydraulic cylinder. The camera assembly is normally hidden underground but will rise to record images when activated by the road stud system. The images are sent to a central monitoring unit in a traffic monitoring building.

Classifications:

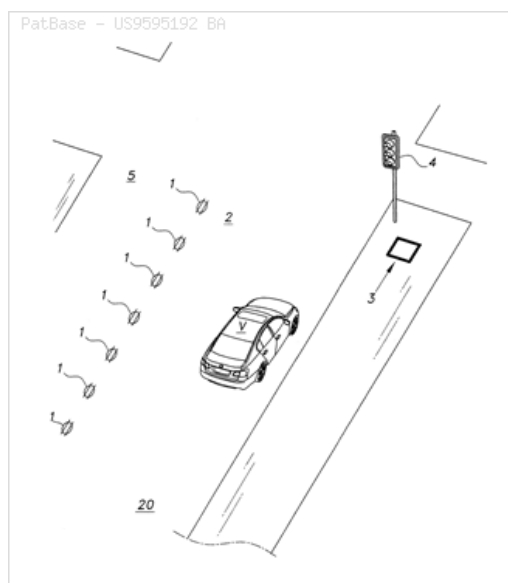
International (IPC 8-9): G08G1/01 G08G1/017 G08G1/02 G08G1/052

G08G1/054 H04N5/77 H04N7/18

CPC: G08G1/01 G08G1/0116 G08G1/0175 G08G1/02 G08G1/04

G08G1/052 G08G1/054 G08G1/095 H04N5/232 H04N5/772 H04N7/181

US: 1/1



Family:

Publication number	Publication date	Application number	Application date
US9595192 BA	20170314	US20160099513	20160414

Priority:

US20160099513 20160414

Probable Assignee:

Assignee(s): (std):

Inventor(s): (std): ALRASHID AHMAD ABDULAZIZ
Agent(s): RICHARD C

3) Family number: 76966580 (IN201821021749 A)

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Title: MODULAR HYBRID SMART VERTEX

Abstract: A modular hybrid smart vertex is disclosed. The modular hybrid smart vertex comprises a plurality of modules each module containing a functional component: wherein, mechanical/fabrication of circular profile of diameter between 300 to 360mm; electronic layer called as physical gateway, hub on which all electrical and electronic devices are physically connected which is also called device aggregator; software layer- cloud base layer consist of virtual gateway in will devices API will be integrated and all data will be stacked in database, and user application with dashboard which will consist of data analytics and control.

Classifications:

International (IPC 8-9): H04L29/08

Family:

Publication number	Publication date	Application number	Application date
IN201821021749 A	20191213	IN201821021749	20180611

Priority:

IN201821021749 20180611

Assignee(s): PALLAVI VINODKUMAR SONGIRE ; PRIYANKA WALLI

Inventor(s): PALLAVI VINODKUMAR SONGIRE ; PRIYANKA WALLI

4) Family number: 61906458 (US2016082888 AA)

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Title: VEHICLE SUN VISOR WITH A MULTI-FUNCTIONAL TOUCH SCREEN WITH MULTIPLE CAMERA VIEWS AND PHOTO VIDEO CAPABILITY

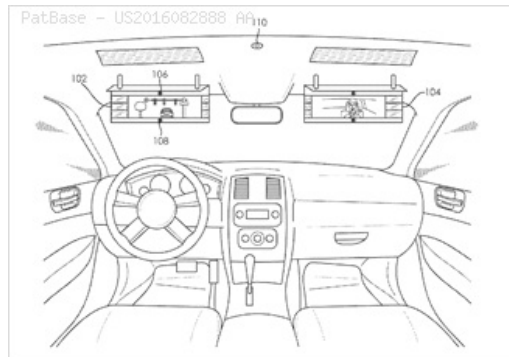
Abstract: A vehicle sun visor system with a touch screen display is configured to display video feed from one or more cameras. A front facing polarized and/or photochromic camera shows the area of view which is normally blocked by the deployed sun visor, allowing the user to view traffic lights, road signs, etc. without the distraction of glare. Software image processing may also be used to reduce glare and improve visibility. In addition the sun visor system also has a "see-me" camera which allows the user to use the screen as a mirror, and one or more rear-view cameras which can be used to see the passenger area of a vehicle through the touch-screen display. Any of the cameras may be used to take photos or videos, which may be viewed on the display and transmitted wirelessly to other electronic devices or cloud storage.

Classifications:

International (IPC 8-9): B60J3/02 B60K35/00 B60R1/00 B60R1/12 B60R11/00 B60R11/02 B60R11/04 G06F3/01 G06F3/041 G06F3/0488 G06K9/00 H04N5/232 H04N5/247 H04N7/00 H04N7/18

CPC: B60J3/0204 B60K2370/152 B60K2370/176 B60K2370/21 B60K2370/777 B60K35/00 B60R1/00 B60R1/008 B60R1/12 B60R11/0235 B60R11/04 B60R2001/1269 B60R2011/0035 B60R2300/105 B60R2300/205 B60R2300/207 B60R2300/406 B60R2300/8006 B60R2300/8013 G06F2203/04808 G06F3/017 G06F3/0416 G06F3/0488 G06F3/04883 G06K9/00355 G06K9/00791 G06K9/00832 G06K9/00838 H04N5/23212 H04N5/23216 H04N5/23293 H04N5/232935 H04N5/23296 H04N5/247 H04N7/181 B60J3/04 B60K2370/1438 G06F2203/04106 G06K9/00845 H04N5/232933 H04N5/232941 B60K2370/736 B60K2370/739 B60K37/06 G02B27/01

US: 1/1 348/148



Family:

Publication number	Publication date	Application number	Application date
IN201727011838 A	20170908	IN201727011838	20170331
US2016082888 AA	20160324	US20150623368	20150216
US9457642 BB	20161004	US20150623368	20150216
US2017013188 AA	20170112	US20160269950	20160919
US9712741 BB	20170718	US20160269950	20160919
US10723267 BB	20200728	US20170650762	20170714
US2017313248 AA	20171102	US20170650762	20170714
WO16044820 A1	20160324	WO2015US51111	20150919

Priority:

US20140052475P 20140919 US20150623368 20150216 WO2015US51111 20150919
US20150220966P 20150919 US20160269950 20160919 US20170650762 20170714

Probable Assignee: BE TOPNOTCH LLC

Assignee(s): (std): BE TOPNOTCH LLC ; KOTHARI ANKIT ; KOTHARI ANKIT DILIP

Inventor(s): (std): KOTHARI ANKIT ; KOTHARI ANKIT DILIP

Agent(s): ELLENOFF GROSSMAN AND SCHOLE LLP; JAMES M SMEDLEY LLC; JAMES MICHAEL; KORONA ALEX; SMEDLEY JAMES M

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX

5) Family number: 47546665 (US2010283631 AA)

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Title: SMART STOP SIGN SYSTEM

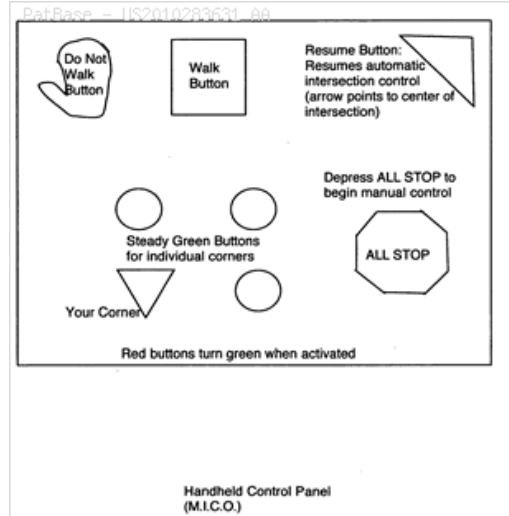
Abstract: A stop sign system that promotes safer, more orderly and more efficient vehicular and pedestrian traffic at intersections, which are barely or not eligible for traffic signal lights, by integrating a simple and easy-to-understand new lighting system into the familiar stop sign with automatic and manual controls. This system also promotes safer school crossings, as well as intersections with emergency situations and construction activity.

Classifications:

International (IPC 8-9): G08G1/07

CPC: G08G1/07

US: 340/916 340/916P



Family:

Publication number	Publication date	Application number	Application date
US2010283631 AA	20101111	US20090352459	20090508

Priority:

US20090352459 20090508

Probable Assignee:

BRYANT ALTON M

Assignee(s): (std):

BRYANT ALTON M

Inventor(s): (std):

BRYANT ALTON M

Agent(s):

ALTON BRYANT

6) Family number: 70981627 (IN201641026622 A)

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Title: A SYSTEM FOR SMART CONTROLLING OF TRAFFIC LIGHTS

Abstract: Present invention relates to a system for smart controlling of traffic lights for eliminating the waiting time at the intersection. Plurality of cameras are arranged at a plurality of points at the road intersections for monitoring the plurality of vehicles to capture uninterrupted images and videos. The data captured by the plurality of cameras is transferred to the remote server and database through a distinct transmission. An intelligent timer is used for evaluating accurate information of arrival of vehicles at the intersection or congested area. The system uses at least two algorithms one, for processing the data captured by the plurality of cameras and evaluating the time required for the vehicles to control at the intersection depends on rate of vehicles automatically.

Classifications:

International (IPC 8-9): G08G1/00

Family:

Publication number	Publication date	Application number	Application date
IN201641026622 A	20180831	IN201641026622	20160905

Priority:

IN201641026622 20160905

Probable Assignee:

PAVULURI ANIL

Assignee(s):

PAVULURI ANIL

Inventor(s):

PAVULURI ANIL

7) Family number: 70384831 (IN201641044730 A)

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Title: SMART LDR CONTROLLED BATTERY LESS, SOLAR AND WIND ENERGY POWERED TRAFFIC SIGNAL SYSTEM

Abstract: A hybrid power system (100) comprising: a first means of hybrid energy source (solar and windmill) generates (101 A-B) the DC power as input to regulating unit (102); a second means of energy source (101 C) transmits the AC power after rectification as input to regulating unit (102); a regulating unit (102) combines power generated from said first means of the hybrid energy and said second means of energy source; a regulating unit regulates (102) the voltage level from said unit for obtaining regulated output voltage to at least one of traffic signal (or) DC appliance; a LDR based current controller (103) controls the current to the DC appliances.

Classifications:

International (IPC 8-9): H02K7/00

Family:

Publication number	Publication date	Application number	Application date
IN201641044730 A	20180706	IN201641044730	20161229

Priority:

IN201641044730 20161229

Probable Assignee: SARAVANAN KAUSHIK

Assignee(s): SARAVANAN KAUSHIK

Inventor(s): SARAVANAN KAUSHIK

8) Family number: 71079270 (IN201811032078 A)

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Title: CROWD SOURCED-TRAFFIC PRIORITY CONTROLLER SYSTEM AND METHOD OF ITS FUNCTIONING THEREOF

Abstract: Crowd sourced-traffic priority controller system and method of its functioning thereof, wherein said system comprises of main controller, data server, plurality of local controller modules, plurality of traffic lighting signal assemblies; individual devices (phones, cars, laptops or any personal devices) sharing data, sensors (e.g. Camera, Bluetooth, WiFi, loop/infra-red or radar sensors), signal optimization algorithm, conflict detector resolver, and Connectivity (GSM, WiFi, ethernet, or wire); and wherein Said system is characterized in the provision of effective collection of real time crowd sourced data from mobile vehicles with digital gadgets of wireless communication, present in at least one pre-defined localized region on roads and conveying traffic control instructions wirelessly to at least one local controllers, mounted with the traffic lighting signals, present in the corresponding pre-defined localized region from where the crowd-source data was received.

Classifications:

International (IPC 8-9): G06F11/27

Family:

Publication number	Publication date	Application number	Application date
IN201811032078 A	20180907	IN201811032078	20180828

Priority:

IN201811032078 20180828

Probable Assignee: VINAYAK V DIXIT

Assignee(s): VINAYAK V DIXIT

Inventor(s): VINAYAK V DIXIT

9) Family number: 57414526 (US2014278026 AA)

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Title: APPARATUS AND SYSTEM FOR MONITORING AND MANAGING TRAFFIC FLOW

Abstract: An apparatus and system for monitoring and managing traffic flow. The system includes a plurality of remote sensor devices arranged in a plurality of vehicles, a plurality of remote communication devices arranged along one or more roadways and in communication with the plurality of remote sensor devices, a central server, a network interface in communication with the central server and the plurality of remote communication devices over a network, and a shared database in communication with the central server. The central server is configured to receive traffic data from the plurality of remote sensor devices over the network, update traffic data in the shared database, periodically calculate an optimal traffic flow for one or more of vehicles traveling along the one or more roadways based on the updated traffic data, and transmit timing adjustments over the network to one or more traffic light intersections based on the optimal traffic flow calculations. The network interface is configured to send and receive traffic data, wherein the traffic data includes vehicle location information.

Classifications:

International (IPC 8-9): G01C21/34 G01C21/36 G05D1/02 G06K7/10

G07C5/00 G08G1/00 G08G1/01 G08G1/08 G08G1/087 G08G1/09

G08G1/0965 G08G1/0967 G08G1/0968 H04Q9/00

IPC: G01C21/3415 G01C21/3691 G01C21/3697 G05D1/0285

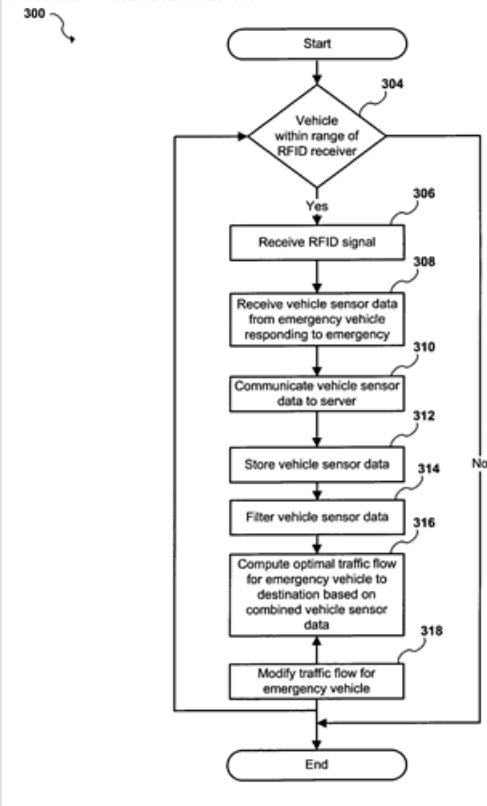
G05D1/0287 G06K7/10475 G08G1/0112 G08G1/0116 G08G1/0133

G08G1/0141 G08G1/0145 G08G1/08 G08G1/0965 G08G1/096725

G08G1/096741 G08G1/096775 G08G1/0968 G08G1/096816

G08G1/096844 G08G1/205 H04Q2209/47 H04Q9/00 G08G1/087

US: 1/1 340/905 701/117

**Family:**

Publication number	Publication date	Application number	Application date
US2014278026 AA	20140918	US20130815807	20130316
US9070290 BB	20150630	US20130815807	20130316
US2014324326 AA	20141030	US20140158797	20140118
US9224293 BB	20151229	US20140158797	20140118
US10037689 BB	20180731	US20150666588	20150324
US2016379486 AA	20161229	US20150666588	20150324
US2017337813 AA	20171123	US20170489974	20170418

Priority:

US20130815807 20130316 US20140158797 20140118 US20150666588 20150324
 US20170489974 20170418

Probable Assignee:

TAYLOR DONALD WARREN

Assignee(s): (std):

TAYLOR DONALD WARREN

Inventor(s): (std):

TAYLOR DONALD WARREN

10) Family number: 62458951 (US2016148267 AA)

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Title: SYSTEMS AND METHODS FOR TRAFFIC MONITORING AND ANALYSIS

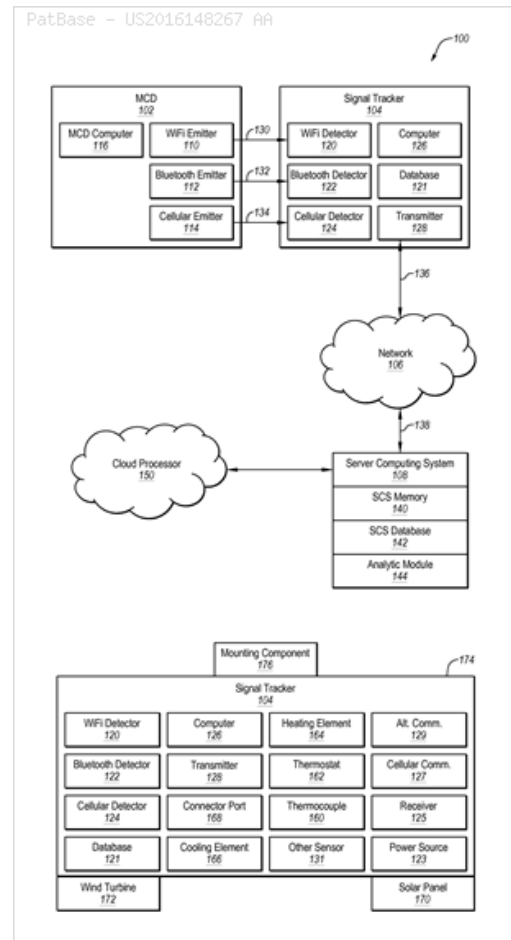
Abstract: A method of travel analytics can include: detecting a signal of a first mobile computing device (MCD) at a first location with a first signal tracker; obtaining real time travel data about the first MCD from the signal received by the first signal tracker; accessing a database having historical travel data for the first MCD; and comparing the historical travel data with the real time travel data for the first MCD to determine travel data for the first MCD. The method can include determining a mode of travel of the first MCD based on the travel data for the first MCD. The method can include predicting a travel route for the first MCD; and predicting a time of travel for the first MCD on the predicted travel route to a second signal tracker. The method can include providing a targeted advertisement on the travel route based on the travel data.

Classifications:

International (IPC 8-9): G06Q30/02 G08G1/07 G08G1/095 H04W4/02 H04W64/00

CPC: G01S5/02 G06Q30/0255 G06Q30/0261 G08G1/07 G08G1/08 G08G1/095 H04W4/023 H04W4/027 H04W4/029 H04W64/006

US: 340/917 705/14.53

**Family:**

Publication number	Publication date	Application number	Application date
US2016148267 AA	20160526	US20150947352	20151120
US2016148507 AA	20160526	US20150947388	20151120

Priority:

US20140082212P	20141120	US20150127638P	20150303	US20150197462P	20150727
US20150197464P	20150727	US20150947352	20151120	US20150947388	20151120

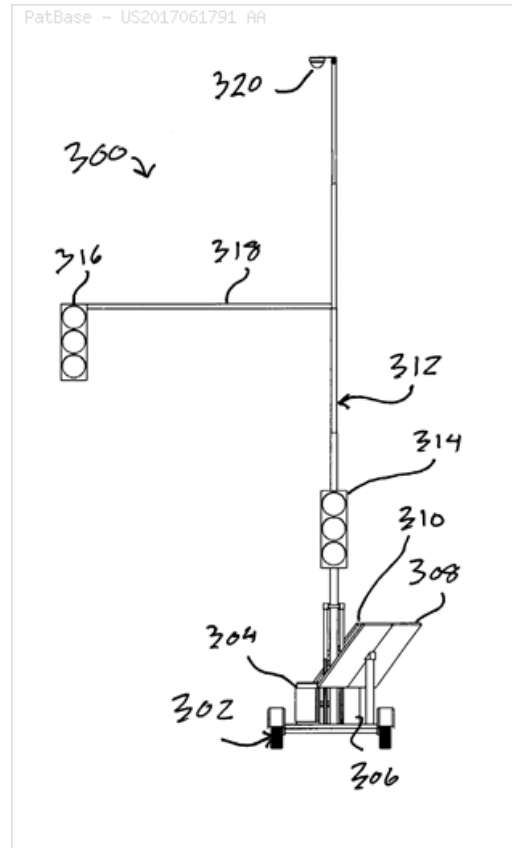
Probable Assignee: BLYNCYSY INC**Assignee(s):** (std): BLYNCYSY INC**Inventor(s):** (std): BROWN PATRICK BARRY ; PITTMAN MARK ERIC**11) Family number: 65077560** (US2017061791 AA)

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Title: AUTOMATED TRAFFIC CONTROL SYSTEM FOR USE IN CONSTRUCTION AND WORK ZONES

Abstract: A traffic control system, that includes a first modular control unit; a first portable signaling device in communication with the first modular control unit, wherein the first portable signaling device includes at least one display and at least one vehicle-detecting camera; a second modular control unit; a second portable signaling device in communication with the second modular control unit, wherein the second portable signaling device includes at least one display and at least one vehicle-detecting camera; and a mesh network formed between the first modular control unit and the second modular control unit, wherein the mesh network enables completely autonomous functioning of the first portable signaling device in combination with the second portable signaling device for controlling traffic within a work zone in which the first and second portable signaling devices have been placed.

Classifications:**International (IPC 8-9):** G08G1/08 G08G1/09 G08G1/0955**CPC:** G08G1/04 G08G1/08 G08G1/0955 G08G1/096783**US:** 1/1 340/908

**Family:**

Publication number	Publication date	Application number	Application date
US2017061791 AA	20170302	US20160256106	20160902

Priority:

US20150213309P 20150902 US20160256106 20160902

Probable Assignee: CONSTRUCTRON INC

Assignee(s): (std): CONSTRUCTRON INC

Inventor(s): (std): CHEREWKA MATTHEW

12) Family number: 56341611 (US2014118553 AA)

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Title: ELECTRONIC TRAFFIC ALERT SYSTEM

Abstract: A traffic control system includes a traffic display for installation near or adjacent existing street signage, which illuminates the signage and displays messages relating to traffic conditions including emergency conditions or the approach of an emergency vehicle. The traffic display is associated with a camera unit, which provides redundant confirmation with a central traffic control that the display is operating correctly, and displaying the message communicated to central traffic control or at its direction. The traffic control system advises drivers of changing traffic conditions in real time, provides control of the system from central traffic control, and allows central traffic control to monitor the functioning of the traffic display.

Classifications:

International (IPC 8-9): B60Q1/00 G01S19/17 G08G1/00 G08G1/005

G08G1/01 G08G1/04 G08G1/056 G08G1/07 G08G1/087 G08G1/09

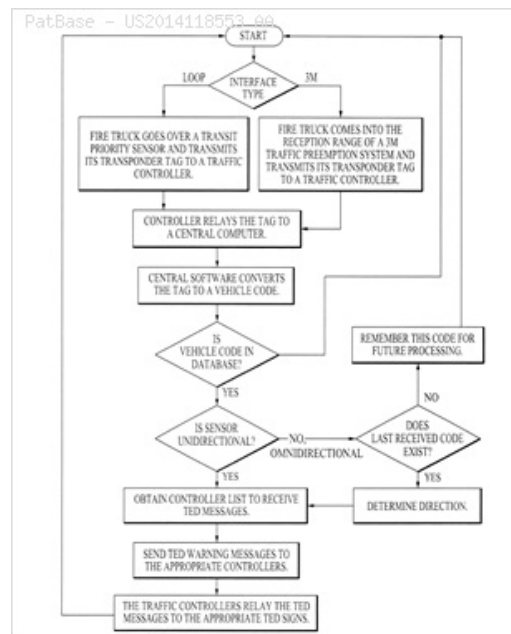
G08G1/095 G08G1/096 G08G1/097 G08G1/14

CPC: G01S19/17 G08G1/005 G08G1/0175 G08G1/04 G08G1/056

G08G1/087 G08G1/091 G08G1/095 G08G1/096 G08G1/097 G08G1/142

G08G1/147 B60Q1/00 B60Q2200/00

US: 1/1 340/909 348/149



Family:

Publication number	Publication date	Application number	Application date
CA3071498 AA	20200206	CA20173071498	20171120
US2014118553 AA	20140501	US20130010410	20130826
US9564049 BB	20170207	US20130010410	20130826
US2017148317 AA	20170525	US20170421378	20170131
US9875653 BB	20180123	US20170421378	20170131
WO18144105 A1	20180809	WO2017US62641	20171120

Priority:

US20120692804P 20120824 US20130010410 20130826 US20170421378 20170131
WO2017US62641 20171120

Probable Assignee: TRAFFIC EMERGENCY DISPLAYS INC

Assignee(s): (std): DIBA KEYVAN T ; TRAFFIC EMERGENCY DISPLAYS INC

Inventor(s): (std): DIBA KEYVAN ; DIBA KEYVAN T

Agent(s): BURRI STEPHEN R; EDWIN; LAUSON AND TARVER LLP; ROBERT J; TARVER EDWIN

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

13) Family number: 81516620 (IN202041043513 A)

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Title: TRAFFIC LIGHT CONTROL SYSTEM USING SOLAR POWER

Abstract: Solar energy is one of the major renewable sources and efficient way without polluting the environment energy saving applications is need of the day, and rising energy prices, growing environmental awareness, and energy conservation is becoming one of the most important criteria for solar powered traffic systems design. Monitoring of traffic lights and changing the waiting time of vehicles and gives priority based operation done by emergency vehicles such as ambulance and fire services etc., the smart green energy powered traffic light is controlled on the basis of traffic on road and day/night time. The present invention disclosed herein explains about a system for automatic traffic controlling wherein the system comprises of plurality of LEDs associated with the system, wherein the LEDs 3 light up to show signals to a traffic; plurality of transmitters 1 coupled at plurality of positions associated with the system; plurality of receivers 2 coupled at plurality of positions associated with the system, wherein the receivers 2 receive signals from the transmitter 1; at least one microcontroller coupled to the system, wherein the microcontroller collects the data from the receiver 2 and controls the LEDs 3 according to the data and at least one solar panel associated with the system, at least one battery associated with the solar panel, wherein electricity produced from the solar panel is stored in the battery.

Classifications:

International (IPC 8-9): G08G1/08

Family:

Publication number	Publication date	Application number	Application date
IN202041043513 A	20201016	IN202041043513	20201006

Priority:

IN202041043513 20201006

Probable Assignee: J ANISH KUMAR

Assignee(s): J ANISH KUMAR ; JOYAL ISAC S ; M ULAGAMMAI ; PADMA PRIYA K ; S KARUNAKARAN

Inventor(s): J ANISH KUMAR ; JOYAL ISAC S ; M ULAGAMMAI ; PADMA PRIYA K ; S KARUNAKARAN

Title: METHOD, SYSTEM AND APPARATUS FOR MANAGEMENT OF TRAFFIC AND TRAFFIC VIOLATIONS

Abstract: A method, system and apparatus for detecting a traffic violation by a motor vehicle and for implementing automated self-imposing penalties for traffic violations, the system comprising: a communication arrangement operable to send and receive information; a motor vehicle including an identification device being configured to store at least identification information associated with the motor vehicle; a position location system configured with the identification device being operable to provide geographical location of the motor vehicle; a traffic violation monitoring unit including one or more readers configured to read the identification information from the identification device, and a traffic violation determination module communicatively coupled to the reader, wherein the traffic violation monitoring unit being operable to receive, record and process the information received via the communication arrangement; and a traffic violation communication module and a traffic violation calculation module to determine whether or not the received information matches with a violation event.

Classifications:

International (IPC 8-9): G08G1/00

Family:

Publication number	Publication date	Application number	Application date
IN201741007513 A	20180907	IN201741007513	20170303

Priority:

IN201741007513 20170303

Probable Assignee: MALLIKARJUNAIAH H M

Assignee(s): MALLIKARJUNAIAH H M

Inventor(s): MALLIKARJUNAIAH H M

Title: SOLAR-POWERED LIGHT POLE AND LED LIGHT FIXTURE

Abstract: A solar-powered lighting system includes a flexible, wrap-around, preferably self-stick panel of photovoltaic laminate applied to the outside surface of a light pole. An LED light fixture is connected preferably at or near the top of the pole and has the same or similar diameter as the pole. The LED light fixture has multiple columns and rows of LEDs and an interior axial space for air flow to cool the LEDs. The pole preferably also has vents and axial passage(s) for creating a natural updraft through at least a portion of the pole and the light fixture, for cooling of the photovoltaic panel interior surface, the LEDs, and/or other equipment inside the fixture or pole, and batteries that may be provided inside the pole or pole base. A purely or mainly decorative additional fixture, which emulates conventional outdoor light fixtures, may be provided on the lighting system, wherein the decorative additional fixture includes no, or only a minimal, light source. The lighting system has a sleek profile with few or no protrusions from the sides of the pole and from the LED light fixture, except for the optional decorative fixture that provides a conventional street light appearance even though the main light source is the LED fixture.

Classifications:

International (IPC 8-9): F21L4/00 F21L4/08 F21S11/00 F21S13/00

F21S13/10 F21S8/08 F21S9/00 F21S9/03 F21V19/04 F21V23/00

F21V29/00 F21W111/02 G05B19/02 G05F1/67 G05F5/00 G08B19/00

H01L31/052 H01M10/46 H02J1/00 H02J7/35 H04B7/00 H04B7/005

H04L12/12 H04W40/24 H04W40/26 H05B37/02

CPC: F21S2/00 F21S8/083 F21S8/085 F21S8/088 F21S9/035 F21S9/043

F21V14/02 F21V21/03 F21V23/04 F21V29/71 F21V29/763 F21V29/83

F21W2131/103 F21Y2115/10 H01L31/0521 H02J1/00 H02J7/35 H02S40/38

H04W84/18 H05B45/37 H05B47/19 H05B47/22 Y02B20/30 Y02B20/40

Y02B20/72 Y02D30/70 Y02E10/50 Y02E10/76 Y10T29/49002 F21S9/032

F21V21/10 F21V23/0471 F21V29/507 F24S25/10 H01L31/028

H01L31/0296 H01L31/0304 H01L31/0322 H01L31/03682 H01L31/03685

H01L31/0392 H01L31/048 H01L31/0547 H01L31/0725 H01M10/465

H02S20/00 H02S20/10 H05B45/00 H05B47/00 Y02E10/47 Y02E10/52

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F21W2111/00 H02J13/00004 H02J13/00028 H02J13/00034 H02J13/0079

H02J2300/24 H02J2310/14 H02J3/14 H02J3/381 H02J3/383 H04Q2209/25

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H05B47/11 H05B47/175 Y02E10/56 Y02E40/70 Y04S10/123 F21V19/0055

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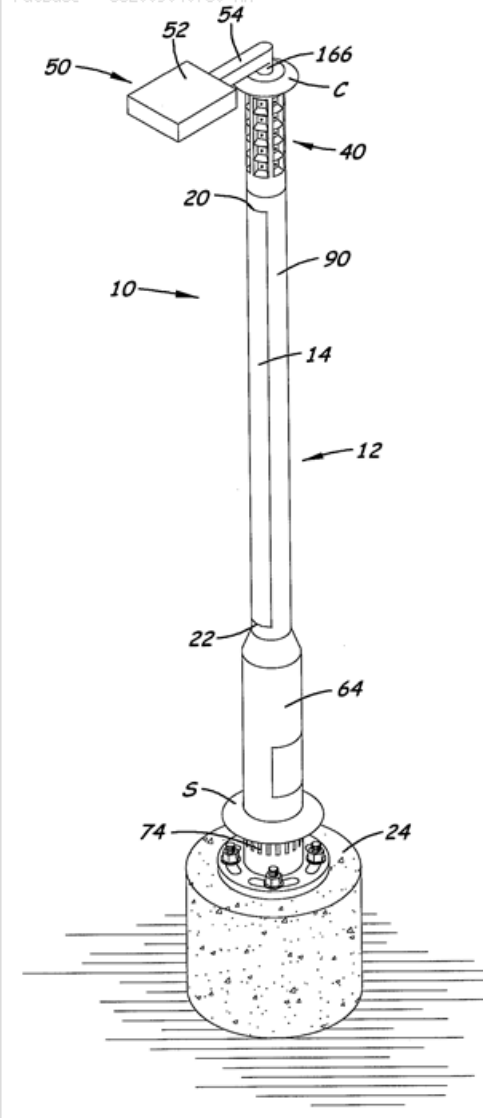
US: 136/246 136/246S 29/592.1 307/11 307/23 320/101 320/101S

340/4.3 340/4.300S 340/521 340/521S 340/825.22 362/145 362/183

362/183P 362/192 362/20 362/234 362/234S 362/373 362/414 362/431

455/426.1 455/426.100P 455/507 455/509 455/509S 700/295 700/295P

700/3 700/3S

**Family:**

Publication number	Publication date	Application number	Application date
EP2308197 A2	20110413	EP20090803665	20090731
EP2308197 A4	20140416	EP20090803665	20090731
EP2356371 A2	20110817	EP20090826938	20091116
EP2356371 A4	20150415	EP20090826938	20091116
US2009040750 AA	20090212	US20080025737	20080204
US7731383 BB	20100608	US20080025737	20080204
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US2010029268 AA	20100204	US20090533701	20090731
US8588830 BB	20131119	US20090533701	20090731
US2011085322 AA	20110414	US20100755082	20100406
US8029154 BB	20111004	US20100755082	20100406
US2012143383 AA	20120607	US20110293094	20111109
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WO12064906 A2	20120518	WO2011US60073	20111109
WO12064906 A3	20121227	WO2011US60073	20111109

Priority:

US20070888002P	20070202	US20080025737	20080204	US20080137434P	20080731
US20080137437P	20080731	US20080137433P	20080731	US20080190192P	20080827
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WO2009US64659	20091116	US20090128395	20091116	US20100755082	20100406
US20100456579P	20101109	US20100456549P	20101109	US20100456574P	20101109
US20100456575P	20101109	US20100456576P	20101109	US20100456547P	20101109
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US20110128395	20111006	US20110293094	20111109	US20140451294	20140804

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Assignee(s): (std): COOPERRIDER PAUL H ; GONZALEZ DAVID ; INOVUS SOLAR INC ; MING SOLAR INC ; MING SOLAR INC DBA INOVUS SOLA ; MYER SETH JAMISON

Assignee(s): AVIDBANK ; MING SOLAR INC DBA INOVUS SOLAR INC ; SOLARONE SOLUTIONS INC

Inventor(s): (std): COOPERRIDER PAUL H ; GONZALEZ DAVID ; MYER SETH JAMISON

Agent(s): BARBARA S; GEE STEVEN WILLIAM; KEN J; PEDERSEN AND CO PLLC; PEDERSEN KEN J ET AL; PERKINS COIE LLP

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

16) Family number: 68167165 (WO19092443 A1)

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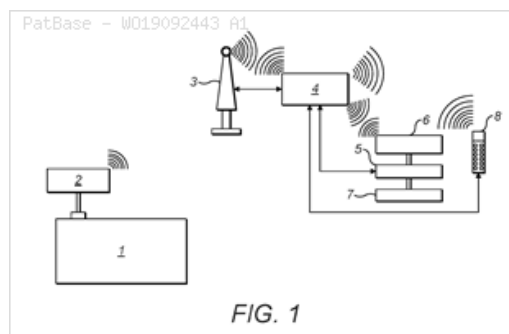
Title: DEFIBRILLATOR MONITORING APPARATUS AND METHOD

Abstract: A defibrillator monitoring apparatus is provided for monitoring and reporting defibrillator status. The apparatus comprises, a battery monitoring member arranged to detect battery data from a defibrillator battery, the battery data comprising at least one selected from the group: battery life, charge status, charge frequency, charge length; a location monitoring member arranged to detect location data of said defibrillator; a power supply monitoring member arranged to detect power supply data from a power supply provided to said defibrillator; a memory arranged to store the battery data, the location data and the power data; a processor arranged to process the battery data, the location data and the power data; and a communication member arranged to communicate the battery data, the location data and the power data to a user. The apparatus of the present invention preferably mitigates risks associated with current defibrillators.

Classifications:

International (IPC 8-9): A61N1/39 B60L3/00 B60L3/12 B60L50/60 B60L58/10 B60P3/32 B60R25/102 B60R25/33 G08B25/00

CPC: B60P3/32 B60R2325/30 B60R25/102 B60R25/33 G08B13/19 G08B25/00 G08B25/08 B60K2370/55 B60K2370/566 B60K2370/573 B60L2200/12 B60L2200/24 B60L2200/30 B60L2200/46 B60L3/0046 B60L3/12 B60L50/60 B60L58/10 B60R16/0233 B60R16/04 B60R2021/01013 B60R2325/20 Y02T10/70 Y02T90/16 A61N1/39 A61N1/3904 A61N1/3925 A61N1/3975



Family:

Publication number	Publication date	Application number	Application date
GB201718853 A0	20171227	GB20170018853	20171115
GB201718854 A0	20171227	GB20170018854	20171115
GB201719138 A0	20180103	GB20170019138	20171118
GB201803247 A0	20180411	GB20180003247	20180228
GB2572941 A1	20191023	GB20180003247	20180228
GB201812804 A0	20180919	GB20180012804	20180804
GB2576873 A1	20200311	GB20180012804	20180804
GB2577687 A1	20200408	GB20180016016	20181001
WO19092443 A1	20190516	WO2018GB53263	20181112

Priority:

GB20170018682 20171113 GB20170018853 20171115 GB20170018854 20171115
GB20170019138 20171118 GB20180003247 20180228 GB20180012804 20180804
GB20180016016 20181001

Probable Assignee: REES JOHN CHRISTOPHER

Assignee(s): (std): JOHN CHRISTOPHER REES ; REES JOHN CHRISTOPHER

Inventor(s): (std): JOHN CHRISTOPHER REES ; REES JOHN CHRISTOPHER

Agent(s): CHAPMAN IP 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 LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

17) Family number: 76314587 (IN201821015009 A)

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Title: ACKNOWLEDGE BASED WIRELESS TRAFFIC CONTROL SIGNAL SEQUENCER

Abstract: Present invention provides specially acknowledge based wireless traffic control signal sequencer. Our objective is to send data wirelessly between master node and depended slave nodes through wireless protocol Xbee. All the signaling poles along with master controller are connected to each other in mesh topology wirelessly. The traffic sequence which needs to be executed is programmed into master controller using SD Card. The sequence needs to be stored in a notepad file in predefined structure. The traffic signal poles runs the sequence programmed in master control. Atmega 328 is used as controller for traffic poles nodes and Atmega 2560 for master controller. Zigbee S2C is used as wireless communication device.

Classifications:
International (IPC 8-9): H04W12/00

Family:

Publication number	Publication date	Application number	Application date
IN201821015009 A	20191025	IN201821015009	20180420

Priority:

IN201821015009 20180420

Assignee(s): AMIT AROKAR ; SURAJ GAWANDE

Inventor(s): AMIT AROKAR ; ANIKET TONDARE ; SURAJ GAWANDE

18) Family number: 60543239 (US2015287312 AA)

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Title: METHOD OF WARNING IN HUNTING AND ROAD TRAFFIC AND BASED ON IT APPARATUS FOR PERSONAL SAFETY AND PROTECTION

Abstract: The method of warning in the sport of shooting and hunting and road traffic, and based on it apparatus for personal safety and protection are provided. The method is based on analyzing the coordinates of the devices, which are exchanging this information by direct radio communication in real time using a suitable for the chosen application radio frequency. The apparatus is based on RF communication technology and, as an additional feature, digital photo and video technology, and the methods of this technology utilization for efficiency and convenience for users.

Classifications:

International (IPC 8-9): G08B21/02 G08G1/005 G08G1/087 G08G1/16

CPC: G08B21/02 G08B21/0269 G08B21/0277 G08G1/005 G08G1/166

US: 340/539.13 340/906 1/1

PatBase - US2015287312 AA



Family:

Publication number	Publication date	Application number	Application date
US2015287312 AA	20151008	US20140243865	20140402
US9685060 BB	20170620	US20140243865	20140402

Priority:

US20130807637P 20130402

US20140243865 20140402

Probable Assignee: MANTSVETOV ALEXANDRE

Assignee(s): (std): MANTSVETOV ALEXANDRE

Inventor(s): (std): MANTSVETOV ALEXANDRE

19) Family number: 63115445 (US2016229336 AA)

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Title: U-TURN SAFETY WIRELESS SIGNAL SYSTEM

Abstract: The invention discloses a system and method that enhances safety for vehicle before and during a U-Turn. Vehicles are equipped with retrofit U-Shape light indicator which is mounted near the left rear light of the vehicle. This light indicator is enabled wirelessly from a button mounted on the dash board by radio frequency or Bluetooth. When this U-shape indicator is turned on the driver indicates to all other drivers at the intersection that he is making a U-Turn. This in turn reduces irritation, confusion and frustration among drivers, and consequently reduces the possibility of accidents. Multiple U-Shape light indicators may be placed at different parts of the vehicle and it may be manufactured in various shapes and sizes as per the intended vehicle. Additionally, the auto-manufacturer may include the system into the car assembly and wire the button/switch to the left turn signal with a separate position for 'U-turn'.

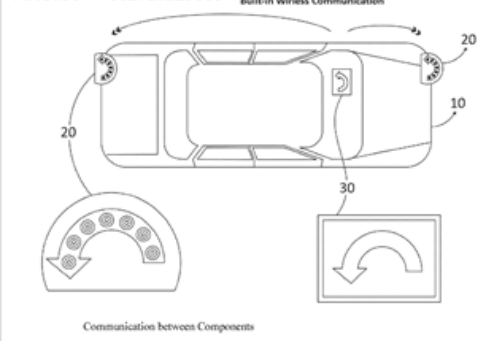
Classifications:

International (IPC 8-9): B60Q1/26 B60Q1/34

CPC: B60Q1/34 B60Q2900/30

US: 1/1 362/464

PatBase - US2016229336 AA



Family:

Publication number	Publication date	Application number	Application date
US2016229336 AA	20160811	US20160099600	20160415

Priority:

US20140161676 20140122 US20140480632 20140908 US20150689025 20150416
US20150883625 20151015 US20160099600 20160415

Probable Assignee:

ALI AMR

Assignee(s): (std):

ALI AMR

Inventor(s): (std):

ALI AMR

20) Family number: 71789614 (US2018322533 AA)

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Title: INTERACTIVE ADVERTISING DEVICE AND SYSTEM

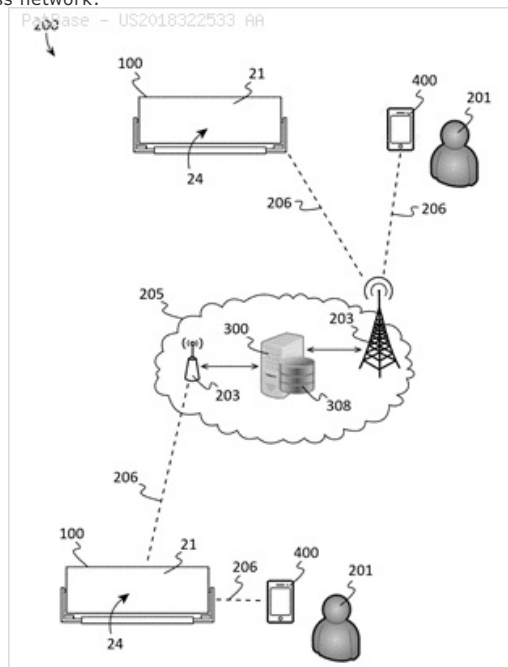
Abstract: An interactive advertising device may include a base and a display. The display may be coupled to the base with one or more movable couplings which may be positioned on opposing ends of the display. One or more mounts may be configured to couple the base to an object or surface. The display may comprise a display area which may be configured to display information, such as indicia and graphics, to observers of the device. An optional traffic light sensor may determine the status of a traffic light near or proximate to the device, and the device may turn on, turn off, and/or alter the information displayed by the display in response to the status of the traffic light. An optional radio module may enable the device to send and receive data in a wireless manner such as from a client device of an observer and/or from a wireless network.

Classifications:

International (IPC 8-9): G06Q30/02 G09F19/02 G09F19/18 G09F9/33 G09F9/35

CPC: G06Q30/0267 G06Q30/0277 G09F19/02 G09F19/18 G09F27/005 G09F9/33 G09F9/35

US: 1/1 705/14.64



Family:

Publication number	Publication date	Application number	Application date
US2018322533 AA	20181108	US20170724960	20171004

Priority:

US20170502012P 20170505 US20170724960 20171004

Probable Assignee:

DEHAVEN JEFF

Assignee(s): (std):

DEHAVEN JEFF

Inventor(s): (std):

DEHAVEN JEFF