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Search 7: TAC=(ALARM~) (Results 432257)
Search 8: 7 and camera (Results 20603)
Search 9: 8 and pedestrian (Results 190)
Search 10: 9 and prevent (Results 23)

Title: Video detection apparatus for monitoring a railroad crossing

Abstract: Source: US5825412A Apparatus (10) monitors a railroad crossing (X) for the presence of an object (H, V, A) in the crossing. The apparatus determines if an object is of sufficient size to damage to a train (1) approaching the crossing, and provides an **alarm** (Sa) to an approaching train so it can be timely halted. This **prevents** injury to people or other objects in the crossing, or to the train and its occupants. A **camera** (14) continuously views the crossing to obtain images of the crossing. An image processor (28) processes images, establishes the presence of objects in the crossing, and determines the size of the object. If appropriate, an **alarm** (26) is activated and an **alarm** signal is sent to the train through a relay (36) transmitter (44), and on board receiver (46). An audio **alarm** (48) on the train is sounded in response to receipt of the signal. The apparatus is unmanned and performs its monitoring function in a non-invasive manner by which its operation does not interfere with that of vehicles, **pedestrians**, or barriers (G) which may also be in place at the crossing.

Classifications:

International (IPC 8-9): B61L29/00 B61L29/30

H04N7/18 (Advanced/Invention);

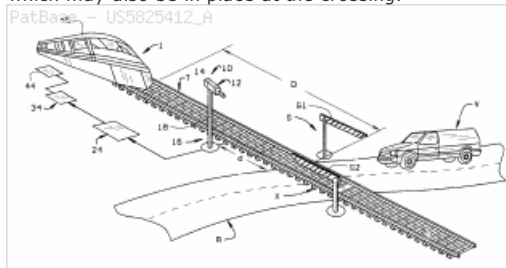
B61L29/00 H04N7/18 (Core/Invention)

International (IPC 1-7): H04N7/18

CPC: B61L29/00 B61L29/30 H04N7/18

European: B61L29/00 B61L29/30 H04N7/18

US: 348/143 348/148 348/149 348/E07.085 348/E7.085



Family:

Publication number	Publication date	Application number	Application date
US5825412 A	19981020	US19960650164	19960520

Priority:

US19960650164 19960520

Probable Assignee: ADT SERVICES AG

Assignee(s): (std): ESCO ELECTRONICS CORP

Assignee(s): ESCO ELECTRONICS INC ; SYSTEMS AND ELECTRONICS INC ; ADT SERVICES AG ; COMTRAK TECHNOLOGIES LLC

Inventor(s): (std): HOBSON GREGORY ; WOOTTON JOHN R

Title: GPS VEHICLE COLLISION AVOIDANCE WARNING AND CONTROL SYSTEM AND METHOD

Abstract: Source: US2002022927A GPS satellite (4) ranging signals (6) received (32) on comm1, and DGPS auxiliary range correction signals and pseudolite carrier phase ambiguity resolution signals (8) from a fixed known earth base station (10) received (34) on comm2, at one of a plurality of vehicles/aircraft/automobiles (2) are computer processed (36) to continuously determine the one's kinematic tracking position on a pathway (14) with centimeter accuracy. That GPS-based position is communicated with selected other status information to each other one of the plurality of vehicles (2), to the one station (10), and/or to one of a plurality of control centers (16), and the one vehicle receives therefrom each of the others' status information and kinematic tracking position. Objects (22) are detected from all directions (300) by multiple supplemental mechanisms, e.g., video (54), radar/lidar (56), laser and optical scanners. Data and information are computer processed and analyzed (50, 52, 200, 452) in neural networks (132, FIGS. 6-8) in the one vehicle to identify, rank, and evaluate collision hazards/objects, an expert operating response to which is determined in a fuzzy logic associative memory (484) which generates control signals which actuate a plurality of control systems of the one vehicle in a coordinated manner to maneuver it laterally and longitudinally to avoid each collision hazard, or, for motor vehicles, when a collision is unavoidable, to minimize injury or damage therefrom. The operator is warned by a heads up display and other modes and may override. An automotive auto-pilot mode is provided.

Classifications:**International (ipc 8-9):** G01S13/86 G01S13/93 G01S19/11

G07C5/08 G08G1/123 G08G1/16 (Advanced/Invention);

G01S13/86 G01S13/93 G01S17/02 G01S17/93 G01S19/48

G01S5/14 (Advanced/Non-invention);

G01S13/00 (Core/Invention)

International (ipc 1-7): B62D1/24 G01C21/26 G06F16/00

G06F17/10 G06K9/00 G08B1/16 G08G1/16

CPC: G01S13/867 B60T2201/024 G01S2013/9367 G01S2013/9339

G01S2013/9353 G01S2013/9357 G01S19/11 B60T2201/022

B60T2201/08 B60T2201/082 B60T2201/083 B60T2201/085

B60T2201/087 G01S5/009 G01S13/86 G01S13/931 G01S17/023

G01S17/936 G01S2013/9321 G01S2013/9325 G01S2013/9342

G01S2013/9346 G01S2013/935 G01S2013/936 G07C5/0891

G08G1/164 G08G1/165 G08G1/166 G08G1/20 H04W4/046

European: G01S13/86 G01S13/93C G01S19/11 G07C5/08R4C

G08G1/16B G08G1/20 L60T201/022 L60T201/024 L60T201/08

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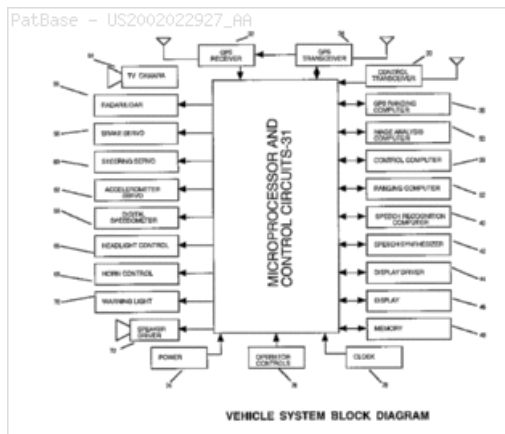
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S01S17/02C S01S17/93 S01S17/93C S01S5/00R5

US: 180/167 180/169 180/271 180/274 180/280 340/435 340/435S 340/436 340/436S 340/903 342/455 342/455S 348/149

348/149S 382/104 382/104P 382/106 701/214 701/27 701/301 701/301P 701/469 701/476 701/481 701/524 701/98

**Family:**

Publication number	Publication date	Application number	Application date
US2002022927 AA	20020221	US20010923252	20010802
US2004022416 AA	20040205	US20030420395	20030421
US5983161 A	19991109	US19960717807	19960924
US6226389 BA	20010501	US19990473350	19991228
US6275773 BA	20010814	US19990436097	19991108
US6487500 BB	20021126	US20010923252	20010802
US6553130 BA	20030422	US19960671853	19960628
US6906639 BB	20050614	US20030420395	20030421

Priority:

US19930105304 19930811	US19960671853 19960628	US19960717807 19960924
US19990436097 19991108	US19990473350 19991228	US20010923252 20010802
US20030420395 20030421		

Probable Assignee: LEMELSON JEROME H**Assignee(s):** LEMELSON DOROTHY ; LEMELSON JEROME H ; PEDERSEN ROBERT ; PEDERSEN ROBERT D**Inventor(s):** (std): LEMELSON DOROTHY ; LEMELSON JEROME H ; PEDERSEN ROBERT ; PEDERSEN ROBERT D**Agent(s):** HOFFMAN LOUIS J; LOUIS J

Title: COLLISION AVOIDANCE SYSTEM

Abstract: Source: US6223125B The Collision Avoidance System **prevents** collisions between vehicles and vehicular collisions with **pedestrians**, trains, and stationary objects by monitoring, controlling, documenting, and reporting the speed and position of vehicles. The system guards against speeding violations, moving violations, and particular safety hazards by invoking a reduction of vehicle speed or by restricting vehicle movement to control its position. This is primarily accomplished with the activation of a controllable road perturbation. The system also monitors **pedestrians**, school bus loading/unloading, traffic density, trains, environmental conditions that may affect driving, and traffic control systems to determine the action to take for collision **prevention**. The capability to monitor various parameters that may indicate an impending collision or detect parameters that indicate that conditions are more favorable for a collision allows the system to monitor an entire traffic environment to anticipate and thus **prevent** those collisions. The system integrates and synchronizes with existing traffic control devices and systems to ensure that it reinforces the traffic laws and safety intent of the environment in which it is installed. Sensors detect the status of objects within the traffic environment including the location and speed of vehicles. A computer is used to determine if the vehicles are adhering to the traffic laws or other safety concerns. **Alarms** may accompany the system output to inform the operator what must be done to **prevent** a collision. Additional sensors and **cameras** document the identity of violating vehicles as well as any resulting collisions and report the information to predetermined authorities through a multiple-channel communications interface. Authorities can remotely alter system operations to compensate for changes in traffic or weather conditions that demands a change in driving behavior in order to maintain safe travel. The system also allows emergency vehicles to pass unimpeded through the traffic environment.

Classifications:

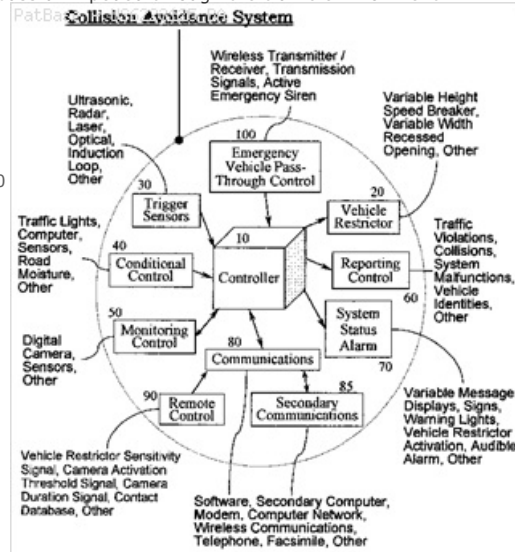
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International (IPC 1-7): B60R21/00 B60R21/01 E01F9/047 G08G1/00 G08G1/017 G08G1/04 G08G1/052 G08G1/087 G08G1/16

CPC: G08G1/164

European: G08G1/16B

US: 701/117 701/301

**Family:**

Publication number	Publication date	Application number	Application date
AT362158 E	20070615	AT20000905974T	20000203
AU200027556 A1	20000825	AU20000027556	20000203
AU200027556 A5	20000825	AU20000027556D	20000203
AU764591 B2	20030821	AU20000027556	20000203
AU764591 C	20040603	AU20000027556	20000203
CA2361425 AA	20010801	CA20002361425	20000203
DE60034767 D1	20070621	DE20006034767	20000203
EP1149371 A1	20011031	EP20000905974	20000203
EP1149371 A4	20030305	EP20000905974	20000203
EP1149371 B1	20070509	EP20000905974	20000203
JP2002541536 T2	20021203	JP20000597777T	20000203
KR100712439 B1	20070502	KR20017009784	20000203
KR20010105342 A	20011128	KR20017009784	20000203
US6223125 BA	20010424	US20000478485	20000106
USRE38870 E	20051108	US20010892185	20010626
WO0046775 A1	20000810	WO2000US02930	20000203

Priority:

KR20017009784 20010802	US19990118920P 19990205	US20000478485 20000106
US20010892185 20010626	WO2000US02930 20000203	WO2000US02930 20010802

Probable Assignee: HALL BRET

Assignee(s): (std): HALL BRETT ; HALL BRETT O ; HALL BRETT OSMUND ; BRETT HALL

Assignee(s): HALL BRET

Inventor(s): (std): HALL BRETT ; HALL BRETT O ; HALL BRETT OSMUND ; BRETT HALL

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; RIDOUT AND MAYBEE LLP

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LV MA 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 TZ UA UG US UZ VN YU ZA ZW

Title: SAFETY CONTROL SYSTEM FOR VEHICLES

Abstract: Source: US2003096593A A safety control system for vehicles including a telephone and sensors for sensing a potentially dangerous condition and for automatically disabling the telephone when sensing such condition. The sensors include two sensors mounted on a steering member to be gripped by the two hands of the driver of the vehicle and effective to disable an operation of the telephone when the two hands of the driver are not sensed as gripping the steering member while the vehicle is in motion. The sensors may also disable the telephone, and/or actuate a signaling device, when sensing other driver conditions or vehicle conditions in which the distraction of the driver by a telephone conversation could increase the risk of accidents.

Classifications:

International (ipc 8-9): A61B5/18 B60Q9/00 B60R11/02 B60R16/023 G01D21/00 G06F17/00 G06F3/01 G06F3/02 G06F3/0488 G08B21/06 G08G1/16 H04B1/06 H04B1/38 H04B7/26 H04M1/00 H04M1/60 H04M1/725 (Advanced/Invention); A61B5/18 B60R11/00 B60R11/02 H04M1/60 (Advanced/Non-invention); B60R11/02 G08B21/00 (Core/Invention); A61B5/16 B60R11/00 B60R11/02 H04M1/60 (Core/Non-invention)

International (ipc 1-7): B60K26/00 B60R11/02 G08B21/06

G08G1/16 H04B1/38 H04B7/26 H04M1/66 H04M3/16

CPC: B60R11/02 B60K2350/906 B60W2520/10 B60W2540/12

H04M1/6041 H04M1/6075 B60R2011/001 B60Q9/00 B60R16/023

H04M1/6083 G06F3/017 G06F17/00 G08B21/06 B60R16/0232

B60Q9/008 H04M1/6091 H04M1/72577 B60K2350/967

B60W2520/105 G06F3/0227 G06F3/016 G06F3/04883

G06F2203/04101 A61B5/18 B60R11/0264

European: B60R11/02 G08B21/06 K61B5/18 L60K350/90L

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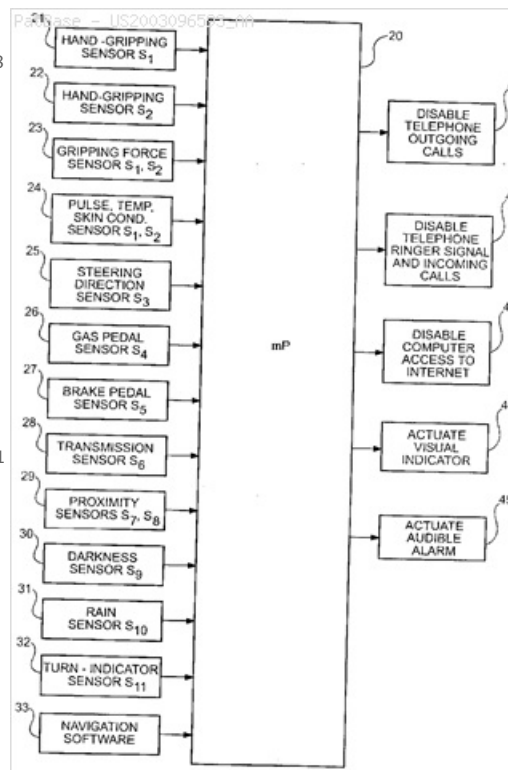
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US: 1/1 340/425.5 340/425.500S 340/575 340/575S 340/576

340/576S 345/156 455/345 455/403 455/403S 455/404.1

455/404.100P 455/411 455/411P 455/565 455/565S 455/569.2 701/1

701/36 73/865.8

**Family:**

Publication number	Publication date	Application number	Application date
DE60245419 D1	20131017	DE20026045419	20021024
EP1446891 A1	20040818	EP20020789277	20021024
EP1446891 A4	20050629	EP20020789277	20021024
EP1446891 B1	20130821	EP20020789277	20021024
JP2005507125 T2	20050310	JP20030539176T	20021024
US2003096593 AA	20030522	US20020279447	20021024
US2003096594 AA	20030522	US20020287299	20021104
US2004209594 AA	20041021	US20040838708	20040504
US2012283894 AA	20121108	US20120405237	20120225
US2013036841 AA	20130214	US20120628884	20120927
US2013124038 AA	20130516	US20120663085	20121029
US2015073619 AA	20150312	US20140296834	20140605
US2015277579 AA	20151001	US20150661598	20150318
US2017182956 AA	20170629	US20160352206	20161115
US2017242487 AA	20170824	US20160352220	20161115
US2017320452 AA	20171109	US20170657777	20170724
US2017334374 AA	20171123	US20170657665	20170724
US6731925 BB	20040504	US20020287299	20021104
US8301108 BB	20121030	US20040838708	20040504
US8768286 BB	20140701	US20120405237	20120225
US9047170 BB	20150602	US20120663085	20121029
US9524034 BB	20161220	US20150661598	20150318
US9526447 BB	20161227	US20140296834	20140605
US9713994 BB	20170725	US20160352206	20161115
WO03036805 A1	20030501	WO2002US34170	20021024

Priority:

EP20020789277	20021024	US20010336293P	20011024	US20020279447	20021024
US20040838708	20040504	US20020287299	20021104	US20020390877P	20020621
US20110446179P	20110224	US20040338708	20040504	US20020279477	20021024
WO2002US34170	20021024	US20120405237	20120225	US20120663085	20121029
US20120628884	20120927	US20140296834	20140605	US20150661598	20150318
US20160352206	20161115	US20160352220	20161115	US20170657777	20170724
US20170657665	20170724				

Probable Assignee: ACT IP

Assignee(s): (std): ACT IP ; NABOULSI MOUHAMAD A ; NABOULSI MOUHAMAD AHMAD

Assignee(s): NABOULSI MOUHAMAD AHMAD WEST BLOOMFIELD ; NABOULSI KHEIRIEH

Inventor(s): (std): NABOULSI MOUHAMAD AHMAD ; NABOULSI MOUHAMAD A ; NABOULSI MOUDAMAD AHMAD
Inventor(s): NABOULSI MOUHAMAD AHMAD WEST BLOOMFIELD
Agent(s): STROEM AND GULLIKSSON AB; REISING ETHINGTON PC; PETE N; VIVACQUA LAW PLLC; RAYMOND J
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK
DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ
LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD
SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: **ALARMING** SYSTEM FOR **PREVENT** TRAFFIC ACCIDENT FOR TRAFFIC CALMING

Abstract: Source: KR200413236Y

Machine translation: The traffic constant temperature anger traffic accident **prevention** warning system which it follows in the idea which it sees when poem of the driver who traverses the road or the **pedestrian** well! traversing the endurance unit (community Zone) junction where the security is disadvantageous has all the illuminant of the condensed water which occurs the indication storehouse which is possible probably is and when in compliance with the perception unit the fact that the vehicle approaches the within schedule scope in the penetration road toward the indication unit which is established at the road and an indication unit and a perception unit the approach of the vehicle is perceived, in order for the indication storehouse which is confronted in approach direction of the vehicle to radiate, it controls an indication unit with [chwal] it damages the image of the junction together It includes the control unit which controls the **camera**. It depends hereupon, there was a possibility to inform the existence of the traverse hour penetration vehicle of the road where the signal light is not established in advance the fact that the traffic accident occurs and. The traffic accident, direction indication and indication storehouse, the **camera**, the sensor, accident record and traffic accident, the independent elder brother radio the sensor which sleeps, traffic constant temperature anger

Classifications:

International (IPC 8-9): G08G1/01 G08G1/09 G08G1/16 (Advanced/Invention);

G08G1/01 G08G1/09 G08G1/16 (Advanced/Non-invention);

G08G1/01 G08G1/09 G08G1/16 (Core/Invention)

CPC: G08G1/16 G08G1/01 G08G1/09

Family:

Publication number	Publication date	Application number	Application date
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Priority:

KR20060002400U 20060126

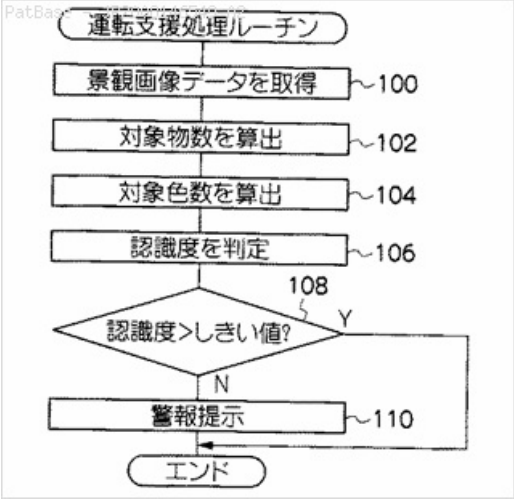
Probable Assignee: LTD BANK AHYITIESEU

Assignee(s): LTD BANK AHYITIESEU

Title: DRIVE SUPPORT DEVICE, MAP GENERATOR AND PROGRAM

Abstract: Source: JP2008146549A PROBLEM TO BE SOLVED: To **prevent** the recognition error of a **pedestrian** in front and to **prevent** accidents involving the **pedestrian**. SOLUTION: Scenery image data are acquired from a **camera** 12 (100); image processing is performed to the scenery image data to calculate the number of objects (102), and the image processing is performed to the scenery image data to calculate the number of colors in a scenery image (104). Then, the calculated number of objects is made into points in an object number index; the calculated number of colors is made into points in an object color index; a complication degree is judged from the points, and a recognition degree is judged on the basis of the complication degree (106). Whether or not the judged recognition degree is larger than a threshold is judged (108), and when the recognition degree is equal to or less than the threshold, it is judged that the possibility that a driver erroneously recognizes the **pedestrian** is high and an **alarm** is presented to the driver (110).

Classifications:
International (IPC 8-9): B60R21/00 G06T1/00
G08G1/16 (Advanced/Invention);
B60R21/00 G06T1/00 G08G1/16 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
JP2008146549 A2	20080626	JP20060335645	20061213
JP4670805 B2	20110413	JP20060335645	20061213

Priority:

JP20060335645 20061213

Probable Assignee: TOYOTA CENTRAL RES AND DEV
Assignee(s): (std): TOYOTA CENTRAL RES AND DEV
Assignee(s): TOYOTA CHUO KENKYUSHO KK ; TOYOTA CENTRAL R AND D LABS INC
Inventor(s): (std): KITAOKA HIRONOBU ; MORI HIROKO

Title: VEHICLE COLLISION AVOIDANCE EQUIPMENT AND METHOD

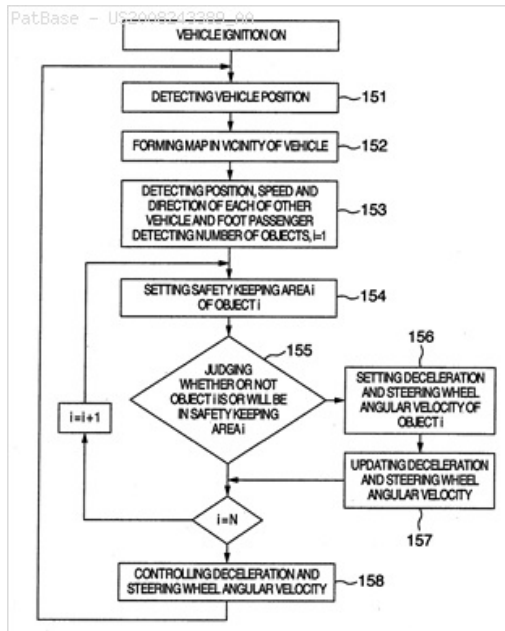
Abstract: Source: US2008243389A An object recognizing means obtains a relative physical value between a movable body and an object such as at least one of the other movable body, an object on the ground, a position on the ground, a topographical feature and a regional information around the movable body, and a safety keeping area calculator calculates an imaginary safety keeping area around the movable body from the relative physical value, and an object intrusion judging means decides as to at least one of whether or not the object is within the safety keeping area and whether or not the object will be within the safety keeping area to perform at least one of controlling for **preventing** a collision between the movable body and the object and outputting an **alarm**, when deciding the at least one of that the object is within the safety keeping area and that the object will be within the safety keeping area.

Classifications:**International (IPC 8-9):** B60R21/00 B62D6/00

G08G1/16 (Advanced/Invention);

B62D101/00 B62D113/00 (Advanced/Non-invention);

B60R21/00 B62D6/00 G08G1/16 (Core/Invention)

CPC: G08G1/167 G08G1/165 G08G1/166**European:** G08G1/16**US:** 701/301 701/301P**Family:**

Publication number	Publication date	Application number	Application date
EP1975903 A2	20081001	EP20080001189	20080123
JP2008242544 A2	20081009	JP20070078122	20070326
US2008243389 AA	20081002	US20080015782	20080117

Priority:

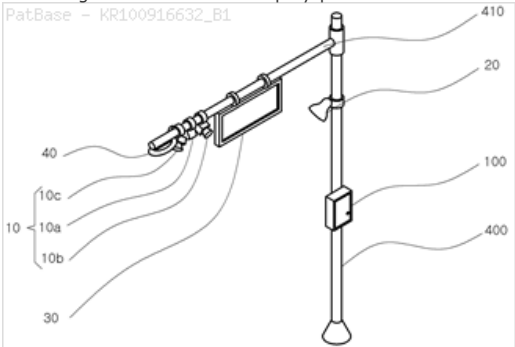
JP20070078122 20070326

Probable Assignee: HITACHI LTD**Assignee(s):** (std): HITACHI LTD**Inventor(s):** (std): INOUE TAKESHI ; MOJI TATSUHIKO ; MONJI TATSUHIKO ; NISHIGAITO TAKAOMI ; SAKAMOTO HIROSHI ; UHEYAMA MIKIO ; YAMAUCHI SHIN ; YAMAUCHI SUSUMU ; YOSHIDA TATSUYA**Agent(s):** MATIAS BRUNO M; CROWELL AND MORING LLP, INTELLECTUAL PROPERTY GROUP; CROWELL AND MORING LLP INTELLECTUAL PROPERTY GROUP**Designated states:** AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK TR

Title: TRAFFIC SAFETY SYSTEM ON CROSSWALK FOR PROVIDE THE AUTOMATIC SAFETY INFORMATION TO PEDESTRIANS AND VEHICLES USING THE CAMERA

Abstract: Source: KR100916632B A traffic safety system on crosswalk is provided to prevent the car accident on crosswalk in beforehand by shortening the generation time of the alarm signal. A traffic safety system on crosswalk comprises a camera, a speaker(20), a display panel(30), an alert generator(50), a main control unit(100) and a trafficking teaching center. The camera is arranged at the first pole(400) positioned between the crosswalk(500) and the pedestrian admission regions(510,520). The speaker is positioned at the first pole and outputs the warning sound. The display panel is positioned at the first pole and outputs the content as the image to the vehicle driver. The alert generator is positioned at the second pole(420) of the pedestrian run-in area and outputs the warning sound to the vehicles. The main control unit is positioned at the first pole and reads the image of camera, controls the speaker, the alert generator and the display panel.

Classifications:
International (IPC 8-9): G08G1/07 G08G1/09
G08G1/095 (Advanced/Invention);
G08G1/07 G08G1/09 G08G1/095 (Core/Invention)
CPC: G08G1/017 G08C17/02 G08G1/075 G09F9/30 H05B37/02



Family:

Publication number	Publication date	Application number	Application date
KR100916632 B1	20090908	KR20080102474	20081020

Priority:

KR20080102474 20081020

Probable Assignee: DICSVISION

Assignee(s): (std): DICSVISION ; KUN SAN CITY

Inventor(s): (std): PARK KIL YANG ; PAK SANG HYON ; KIM YONG GOO ; JANG JONG CHEOL

Title: HIGH TRAFFIC FLOW ROBOTIC ENTRANCE PORTAL FOR SECURE ACCESS

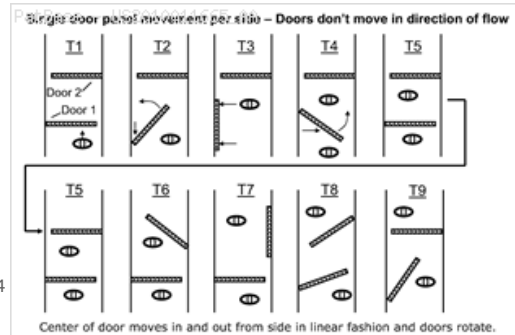
Abstract: Source: US2010011665A Electro-mechanical and electronically controlled access devices are described for controlling access to a building, premises or area in a secure manner such that a subject who is deemed ineligible for access will be barred entry and may be optionally retained. The devices can contain multiple rotatable door panels, which can be positioned behind one another. The door panels can be controlled by mechanized arms or other control devices in order to control the passage through the device. The direction of flow through a device according to these embodiments is electronically controlled and may be changed at any point in time. At any instant in time, the flow through the device is unidirectional. Multiple devices can be stacked together to form clusters, which can be controlled according to traffic, time of day, or other factors.

Classifications:

International (IPC 8-9): E01F13/00 E05B47/00 E05D15/58
E05F15/00 E05F15/10 E05F15/20 E05F15/40 E05F15/60 E05F15/608
E05F15/611 E05F15/70 E05F15/73 E05F15/74 E05F15/78 E05F17/00
E05G5/00 E05G5/02 E06B11/02 E06B3/50 E06B5/00 E06B5/10
E06B9/04 G06K9/00 G07C9/02 G08B21/00 (Advanced/Invention);
E05F15/00 (Advanced/Non-invention);
E01F13/00 E05B47/00 E05F15/20 E05F17/00
G08B21/00 (Core/Invention)
CPC: G07C9/02 E05F17/00 E06B5/10 G07C9/00103 G07C9/00158
E05Y2300/82 E05D15/58 E05F15/00 E05G5/003 E05Y2900/132
E06B9/04 E05F2017/008 E05F15/70 E05F15/40 E05F15/608
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E06B11/022 G06K9/00302 E05F2015/765 E05F2015/767
E05F2017/005 E05Y2400/44 E05Y2900/40

European: E01F13/06 E05D15/58 E05F15/10D E05F15/20D P05Y400/82 P05Y900/132

US: 109/6 340/540 340/540S 49/104 49/142 49/254 49/28 49/31 49/31P 49/49 49/49S 49/68 49/9 49/98



Family:

Publication number	Publication date	Application number	Application date
GB201102258 A0	20110323	GB20110002258	20090715
GB201516004 A0	20151021	GB20150016004	20140210
GB2474205 A1	20110406	GB20110002258	20090715
GB2474205 B2	20130109	GB20110002258	20090715
GB2529073 A1	20160210	GB20150016004	20140210
US2010011665 AA	20100121	US20090502997	20090714
US2013298466 AA	20131114	US20130952409	20130726
US2014373761 AA	20141225	US20140485705	20140913
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WO14126868 A1	20140821	WO2014US15634	20140210
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Priority:

US20080135322P 20080718	US20090502997 20090714	US20130952409 20130726
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Probable Assignee: OSANN JR ROBERT

Assignee(s): (std): OSANN JR ROBERT ; OSANN ROBERT JR ; ROBERT JR OSANN

Assignee(s): ROBERT OSANN JR

Inventor(s): (std): ROBERT JR OSANN ; OSANN JR ROBERT ; OSANN ROBERT JR

Inventor(s): ROBERT OSANN JR

Agent(s): FLIESLER MEYER LLP; CHERSKOV FLAYNIK AND GURDA LLC; FLIESLER MARTIN C ET AL; GURDA SZYMON

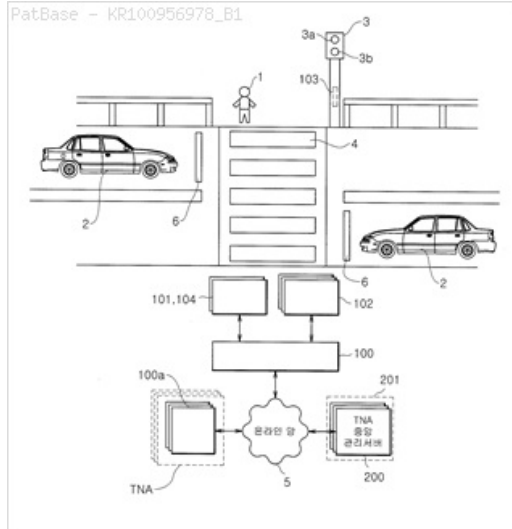
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Title: THE SYSTEM WHICH INTEGRATED MANAGES A TRAFFIC ACCIDENT NOTICE AREA

Abstract: Source: KR100956978B PURPOSE: An integrated management system of a traffic accident notice area is provided to **prevent** a **pedestrian** and a driver from a traffic accident by noticing the state of the TNA(Traffic accident Notice Area) to a traffic management office. CONSTITUTION: A TNA integration management control module manages a TNA moving-**camera**(101) and the management state of an **alarm** display assistant device(102). A traffic signal sensing module detects the state of a traffic signal. A vehicles / **pedestrian** scanning module detects the movement of the vehicles or **pedestrian**. A dangerous situation generation determination module traces the vehicles / **pedestrian** movement according to the state of the traffic signal. A dangerous situation process module outputs an emergency signal to the vehicles or the **pedestrian**.

Classifications:

International (IPC 8-9): G08B25/00 G08B25/14 (Advanced/Invention);
G08B25/00 G08B25/14 (Advanced/Non-invention);
G08B25/00 G08B25/14 (Core/Invention)
CPC: G08B25/14 G08B25/00 G08G1/07



Family:

Publication number	Publication date	Application number	Application date
KR100956978 B1	20100511	KR20090088956	20090921

Priority:

KR20090088956 20090921

Probable Assignee: TOPES CO LTD

Assignee(s): (std): TOPES CO LTD

Assignee(s): TOPES CO

Inventor(s): (std): KANG JONG TAE ; KANG MOON GU ; KIM HAK KWAN ; KIM HO ; LIM CHUL KYU ; NAM HYUN KOOK ; SONG YOUNG DO

Title: FORWARD COLLISION WARNING TRAP AND **PEDESTRIAN** ADVANCED WARNING SYSTEM

Abstract: Source: US2012140076A A method for providing a forward collision warning using a **camera** mountable in a motor vehicle. The method acquires multiple image frames at known time intervals. A patch may be selected in at least one of the image frames. Optical flow may be tracked between the image frames of multiple image points of the patch. Based on the fit of the image points to a model, a time-to collision (TTC) may be determined if a collision is expected. The image points may be fit to a road surface model and a portion of the image points is modeled to be imaged from a road surface. A collision is not expected based on the fit of the image points to the road surface model.

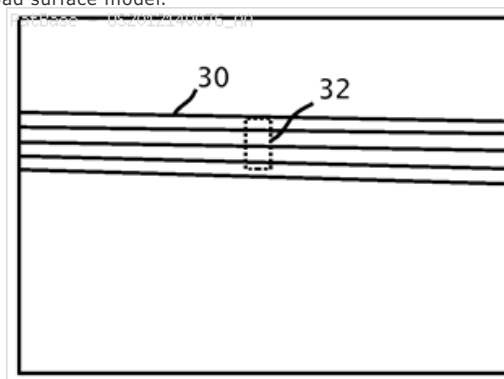
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H04N7/18 (Advanced/Invention)

CPC: B60R21/013 B60W30/0956 B60W2420/42 G06T2207/10016
G06T2207/30196 G06T2207/30256 G06T2207/30261 G08G1/166
G06K9/00805 G08G1/165 B60R1/00 B60R2300/8033 G06T7/246
G06T7/269 G06K9/00362

European: G06K9/00V6P G08G1/16C G08G1/16E

US: 1/1 348/148 348/148P 348/E7.085 348/E70.85S



Family:

Publication number	Publication date	Application number	Application date
CN102542256 A	20120704	CN201110404574	20111207
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CN107423675 A	20171201	CN201710344179	20111207
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DE602011037709 D1	20170622	DE201160037709T	20111207
EP2463843 A2	20120613	EP20110275158	20111207
EP2463843 A3	20130703	EP20110275158	20111207
EP2463843 B1	20150729	EP20110275158	20111207
EP2993654 A1	20160309	EP20150178627	20111207
EP2993654 B1	20170503	EP20150178627	20111207
US2012140076 AA	20120607	US20110313227	20111207
US2012314071 AA	20121213	US20120455719	20120425
US2016107595 AA	20160421	US20150982198	20151229
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Priority:

CN201110404574 20111207	EP20110275158 20111207	US20100420405P 20101207
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Probable Assignee: MOBILEYE VISION TECHNOLOGIES LTD

Assignee(s): (std): MOBILEYE TECHNOLOGIES LTD ; MOBILEYE VISION TECHNOLOGIES LTD ; ROSENBAUM DAN ; STEIN GIDEON ; STEIN GIDEON P ; SAMET YONATAN ; ALONI DAVID ; GURMAN AMIAD

Assignee(s): MOBILEYE TECHNOLOGIES LIMITED

Inventor(s): (std): ALONI DAVID ; AMIAD GUERMANN ; DAN ROSENBAUM ; GIDEON STEIN ; GURMAN AMIAD ; ROSENBAUM DAN ; SAMET YONATAN ; STEIN GIDEON ; STEIN GIDEON P

Inventor(s): GUERMANN AMIAD

Agent(s): RPK PATENTANWALTE REINHARDT POHLMANN U KAUFMANN PARTNERSCHAFT MBB; JEHAN ROBERT; WILLIAMS POWELL; LAW OFFICE OF MICHAEL E KONDOUDIS

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Title: ELECTRIC VEHICLE (EV) RANGE EXTENDING CHARGE SYSTEMS, DISTRIBUTED NETWORKS OF CHARGE KIOSKS, AND CHARGE LOCATING MOBILE APPS

Abstract: Source: US2012271723A Systems and method are provided for providing auxiliary charge to a main battery of an electric vehicle. One system includes an auxiliary battery for holding a plurality of charge units, the auxiliary battery being connectable to the main battery of the electric vehicle, the plurality of charge units being rechargeable and being replaceable from within the auxiliary battery, such that replacing particular ones of the plurality of charge units with charge units with more charge increases a total charge of the auxiliary battery. Kiosks for storing a plurality of charge units. A display in the kiosk for an interface for enabling transactions to provide or receive charge units to customers, and a central processing center that communicates with a plurality of said kiosk over a network and a plurality of vehicles, The plurality of vehicles are provided with access to availability information of charge units at each of said kiosks.

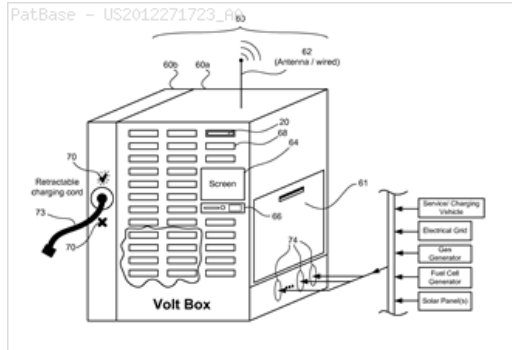
Classifications:

International (IPC 8-9): B60H1/00 B60K1/00 B60K35/00 B60K6/20 B60L1/00 B60L1/06 B60L11/18 B60N2/00 B60R1/00 B60R16/037 B60R25/10 B60R25/102 B60R25/104 B60R25/20 B60R25/24 B60R25/30 B60R25/33 B60S5/06 B60W10/184 B60W10/20 B60W30/08 B60W30/09 B60W40/08 B60W50/08 B60W50/16 G01C21/34 G01C21/36 G01M17/007 G01S13/93 G01S17/93 G01S5/00 G05B15/00 G05B15/02 G05D1/00 G05D1/02 G06F17/00 G06F21/32 G06F3/048 G06F3/0481 G06F3/0482 G06F3/0484 G06F3/0488 G06F3/14 G06F3/16 G06F7/00 G06F9/44 G06K9/00 G06N5/02 G06Q10/00 G06Q10/02 G06Q10/06 G06Q20/10 G06Q20/14 G06Q20/18 G06Q20/32 G06Q20/38 G06Q30/00 G06Q30/02 G06Q30/06 G06Q30/08 G06Q50/06 G06T1/20 G07C5/00 G07C5/02 G07C5/08 G07C9/00 G07F15/00 G08G1/0967 G08G1/14 G08G1/16 G09G5/14 G10L15/00 G10L15/02 G10L15/06 G10L15/16 G10L15/22 G10L15/25 G10L15/30 G10L17/04 G10L17/06 G10L17/26 G10L21/0208 G10L25/45 G10L25/57 G10L25/63 G10L25/84 G11B31/00 H01M10/42 H01M10/46 H01M2/10 H01M2/20 H02J3/32 H02J5/00 H02J7/00 H02J7/14 H04B1/3822 H04B5/00 H04L12/24 H04L29/06 H04L29/08 H04L9/14 H04N5/232 H04N5/76 H04N7/18 H04W4/02 H04W4/04 H04W68/00 (Advanced/Invention);

B60L11/18 B62D15/02 G01C21/36 G07C5/00 G08G1/00 G10L15/22 G10L15/30 G10L21/0208 G10L25/63 H01M10/052 H01M10/0525 H01M10/48 H04L29/08 H04N7/18 H04W4/00 H04W4/20 H04W84/12 (Advanced/Non-invention)
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Family:

Publication number	Publication date	Application number	Application date
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US9426225 BB	20160823	US20160071120	20160315
US9434270 BA	20160906	US20160161373	20160523
US9467515 BA	20161011	US20140275569	20140512
US9493130 BB	20161115	US20150949883	20151124
US9499129 BA	20161122	US20160180306	20160613
US9536197 BA	20170103	US20140499039	20140926
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US9579987 BB	20170228	US20150880970	20151012
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US9663067 BB	20170530	US20160344566	20161106
US9672823 BB	20170606	US20160351422	20161114
US9697503 BA	20170704	US20140176138	20140209
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US9738168 BB	20170822	US20170463287	20170320
US9778831 BB	20171003	US20150677341	20150402
US9802500 BA	20171031	US20170657112	20170722
US9809196 BA	20171107	US20130911072	20130605
US9815382 BB	20171114	US20160188971	20160621
US9818088 BB	20171114	US20170615812	20170606
US9855947 BA	20180102	US20170469517	20170325

Priority:

US20110478436P	20110422	US20120452881	20120422	US20120452882	20120422
US20120745729P	20121224	US20130050314	20131009	US20130063638	20131025
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US20130760003P	20130201	US20130763453P	20130211	US20130757020P	20130125
US20130145693	20131231	US20130338636	20130101	US20130824158	20130315
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US20160191506	20160623	US20160180306	20160613	US20160243948	20160822
US20160257016	20160906	US20140499039	20140926	US20160344566	20161106
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US20170444892	20170228	US20170444328	20170228	US20170463287	20170320
US20170469520	20170325	US20170470881	20170327	US20170607418	20170526
US20170615812	20170606	US20170657112	20170722	US20170469517	20170325
US20170714113	20170925	US20170683286	20170822	US20170723790	20171003
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Probable Assignee: EMERGING AUTOMOTIVE LLC

Assignee(s): (std): EMERGING AUTOMOTIVE LLC ; PENILLA ALBERT S ; PENILLA ANGEL A

Inventor(s): (std): PENILLA ALBERT S ; PENILLA ANGEL A

Title: METHOD FOR STAND OFF INSPECTION OF TARGET IN MONITORED SPACE

Abstract: Source: US2013022237A This invention addresses remote inspection of target in monitored space. A three dimensional (3D) microwave image of the space is obtained using at least two emitters. The data undergoes coherent processing to obtain maximum intensity of the objects in the area. This image is combined with a 3D video image obtained using two or more video cameras synchronized with the microwave emitters. The images are converted into digital format and transferred into one coordinate system. The distance l is determined between the microwave and the video image. If $l < l_0$, where l_0 is a given threshold, the absence of a concealed dielectric object at the target is indicated. If $l > l_0$ then the presence of cavities is analyzed. If the cavity depth h is greater than the threshold value h_0 a concealed dielectric object at

$$h_0 = l_0 \frac{\sqrt{\epsilon} - 1}{\sqrt{\epsilon}}$$

the target is ascertained:

$0 < 1 - \epsilon < 1$ where ϵ is dielectric permeability of the sought dielectric object.

Classifications:

International (IPC 8-9): E05G5/00 E06B3/90 G01N G01N22/00 G01N33/22 G01S G01S13/00 G01S13/02 G01S13/86 G01S13/87 G01S13/88 G01S13/89 G01S17/36 G01S3/78 G01S7/41 G01V3/12 G01V5/00 G01V8/00 G01V8/10 G06F19/00 G06K9/00 G06K9/46 G06K9/62 G07C G07C9/00 G07C9/02 G08B13/196 G08B13/22 G08B15/00 G08B21/02 H04N13/00 H04N13/02 H04N15/00 H04N5/30 H04N5/32 H04N7/18 (Advanced/Invention); E05G5/00 G01N22/00 G01S13/89 (Advanced/Non-invention); G01N G01S G07C (Subclass/Invention)

CPC: H04N13/02 G07C9/025 G01N33/227 G01S7/41 G01S13/867 G01S13/887 G01S13/89 G01V8/005 G08B15/007 E06B3/90 E05G5/003 G06K9/00771 G06K2209/09 H04N5/30 H04N5/32 H04N13/0239 G01S13/003 G01S13/878 G01V3/12 G08B21/02 G01V5/0016 G01N22/00 E05G5/02 G07C9/00031 H04N13/0282 H04N7/181 G01V8/10 G08B13/196 G01V3/081 G01V5/0075 G08B29/185

US: 1/1 324/637 340/5.7 340/541 340/600 348/43 348/46 348/E13.074 348/E5.085 382/103



Family:

Publication number	Publication date	Application number	Application date
AU2014353259 AA	20150528	AU20140353259	20141117
AU2014353259 BB	20160707	AU20140353259	20141117
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IL245695 A0	20160630	IL20140245695	20141117
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IN201627020719 A	20160826	IN201627020719	20160617
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JP2017508949 T2	20170330	JP20160533097T	20141117
JP6178511 B2	20170809	JP20160533097T	20141117
RU2016123960 A	20171225	RU20160123960	20141117
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RU2623420 C1	20170626	RU20160121669	20141117
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US2013033574 AA	20130207	US20120528412	20120620
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US2017270366 AA	20170921	US20170613832	20170605
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US9329138 BB	20160503	US20140426239	20141117
US9330549 BB	20160503	US20140259603	20140423
US9697710 BB	20170704	US20150964328	20151209
US9784879 BB	20171010	US20140319222	20140630
US9823377 BA	20171121	US20170596345	20170516
WO15077167 A1	20150528	WO2014US65879	20141117
WO15077168 A2	20150528	WO2014US65881	20141117
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WO15077169 A1	20150528	WO2014US65883	20141117
WO17136032 A1	20170810	WO2016US64355	20161201

Priority:

US20110120494	20110804	US20110120857	20110719	US20120528412	20120620
US20120403256	20120223	US20140160895	20140122	US20130905940P	20131119
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US20170596345	20170516	US20160345064P	20160603	WO2014US65883	20141117
WO2014US65879	20141117	WO2014US65881	20141117	US20170613832	20170605

Probable Assignee: APSTEC SYSTEMS USA LLC

Assignee(s): (std): ANDREY KUZNETSOV ; APSTEC ; APSTEC SYSTEMS ; APSTEC SYSTEMS LTD ; APSTEC SYSTEMS USA LLC ; GORSHKOV IGOR ; AVERYANOV VALERY ; KUZNETSOV ANDREY ; KELLERMANN DAVID GUSTAV ; VOROBYEV STANISLAV ; DAVID GUSTAV KELLERMANN ; STANISLAV VOROBYEV ; IGOR GORSHKOV ; VALERY AVERYANOV

Inventor(s): (std): ANDREY KUZNETSOV ; AVERYANOV VALERY ; DAVID GUSTAV KELLERMANN ; GORSHKOV IGOR ; GORSHKOV LGOR ; IGOR GORSHKOV ; KELLERMANN DAVID GUSTAV ; KUZNETSOV ANDREY ; MESHCHERYAKOV VIKTOR ; SEMENOV SEMEN ; STANISLAV VOROBYEV ; VAKHTIN DMITRII ; VALERY AVERYANOV ; VOROBYEV STANISLAV ; VOROBYOV VIKTOR

Agent(s): CHURCHILL ATTORNEYS; HOPKINSON MARK A; FURMAN IP LAW AND STRATEGY PC; BEST MICHAEL; S WINOGRADOW AND CO; IWATANI RYO; NADYA; NADYA REINGAND; YAN; REINGAND NADYA

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

Title: VEHICLE INTRUDER ALERT DETECTION AND INDICATION

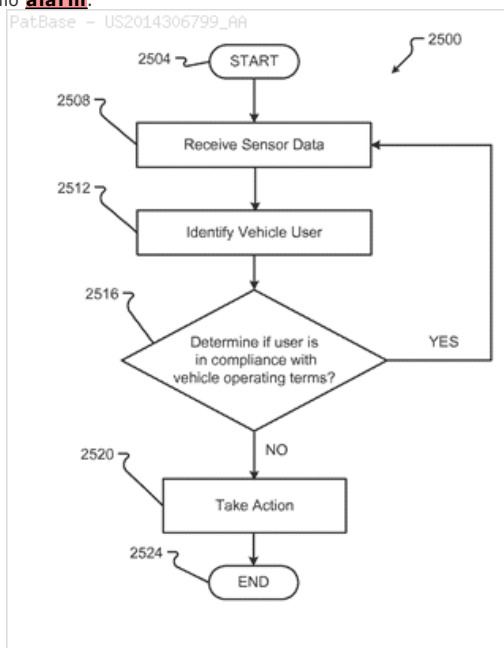
Abstract: Source: US2014306799A Methods and systems for a detecting an intruder near or within a vehicle are disclosed. Specifically, a method to detect and identify a person near or within a vehicle as an authorized or an unauthorized user is provided. In the event an unauthorized user is detected within a vehicle, the system may take a number of actions. In one embodiment, the actions comprise providing notice to one or more authorized users of the vehicle, disabling the vehicle, notifying emergency personnel or police, and emitting a visual or audio **alarm**.

Classifications:

International (IPC 8-9): B60C1/00 B60K28/00 B60K35/00 B60N2/02 B60Q1/00 B60Q7/00 B60Q9/00 B60R16/037 B60R22/00 B60R25/00 B60R25/01 B60R25/10 B60R25/25 B60W10/00 B60W40/08 B60W40/09 B60W50/08 B60W50/10 B60W50/14 G01C21/00 G01C21/20 G01C21/26 G01C21/34 G01C21/36 G01C23/00 G01L13/00 G05B15/02 G05D1/00 G05D1/02 G05D23/19 G05D3/00 G06F13/36 G06F15/177 G06F17/00 G06F17/28 G06F17/30 G06F21/00 G06F21/31 G06F21/32 G06F3/01 G06F3/0481 G06F3/0482 G06F3/0484 G06F7/00 G06F9/445 G06K9/00 G06K9/62 G06Q10/00 G06Q10/02 G06Q10/10 G06Q20/14 G06Q30/00 G06Q30/02 G06Q30/06 G06Q50/30 G07C5/00 G07C5/02 G07C5/08 G07C9/00 G08B13/196 G08B21/02 G08B23/00 G08B25/01 G08B29/18 G08G1/00 G08G1/01 G08G1/0965 G08G1/0968 G08G1/16 G10L13/00 H04L29/06 H04L29/08 H04N21/214 H04N21/218 H04N21/2225 H04N21/226 H04N21/239 H04N21/258 H04N21/414 H04N21/436 H04N21/4363 H04N21/454 H04N21/475 H04N21/6408 H04N21/643 H04N7/16 H04N7/18 H04W36/00 H04W36/32 H04W36/34 H04W4/00 H04W4/04 H04W4/12 H04W4/20 H04W4/22 H04W48/02 H04W48/04 H04W68/12 H04W76/02 H04W8/08 H04W84/00 H04W84/18 (Advanced/Invention); B60Q1/52 B60W40/08 B60W50/00 G01C21/26 G01C22/00 G06F19/00 G06F3/01 G06F3/0488 G06G7/70 G08B1/08 G08B21/06 G08B25/01 G08B29/18 G08G1/00 G08G1/09 G08G1/0967 H04N7/18 H04W12/06 H04W12/08 H04W4/20 H04W84/00 (Advanced/Non-invention)

IPC: H04L67/10 H04W4/12 H04W12/06 B60Q1/52 G06Q30/00 H05K999/00 H04W36/0005 H04W36/34 H04W48/04 B60R25/1004 G01C21/00 G01C21/36 G01C21/3647 G05D1/0212 G05D23/1917 G06F3/016 G06F3/0481 G06F3/04842 G06F8/65 G06F17/28 G06F21/31 G06F21/32 G06Q20/145 G07C5/00 G07C5/008 G07C5/085 G07C9/00126 G08B13/19647 G08B21/0205 G08G1/0965 G08G1/166 H04L63/08 H04L67/12 H04N21/214 H04N21/2181 H04N21/25841 H04N21/4542 H04N21/4751 H04W36/32 H04W48/02 B60Q1/00 G06F3/0488 H04W84/005 G06Q10/00 B60W2040/0809 B60W2540/00 B60W2540/12 B60W2540/30 G01C21/3691 G07C5/02 H04L67/26 B60W50/10 B60R16/037 B60R16/0373 B60R25/00 B60W40/09 B60W50/08 B60W2540/18 G01C21/26 G06F3/017 G06F17/30247 G06F17/30557 G06F17/30864 G06F21/00 G06K9/00255 G06K9/00268 G06Q10/02 G06Q10/20 G06Q30/012 G06Q30/0633 G06Q30/0639 G06Q30/0645 G06Q50/30 G08B25/016 H04N7/181 H04N21/41422 H04W4/046 B60K28/00 B60Q9/008 B60W50/14 B60W2050/0077 B60W2540/20 G06F3/04883 H04W4/22 B60W40/08 B60W2540/28 G01C21/3484 G01C21/34 B60R25/01 B60K35/00 G06F3/0482 G08G1/01 G07C5/0808 B60R11/04 G06F3/0622 G06F3/0637 G06F3/0673 G06F17/30528 G06F17/3056 G06K9/00288 G06K9/00838 G08B21/02 G06Q10/1093 H04L67/306 A61B5/0077 A61B5/4809 A61B5/6808 A61B5/7405 A61B5/742 A61B7/04 A61B2503/04 B60W2040/0881 G01C21/362 G08G1/096725 B60H1/00742 B60N2/0244 B60R25/20 B60R25/2081 B60R25/257 G01C21/206 G01C21/3641 G01S19/42 G05D1/0016 G06F17/30203 G06F2203/04803 G06K9/00335 G08G1/07 H04W4/005 H04W4/008 H04W76/028 G08B21/06 G08B29/188 G08G1/096741 G08G1/096775 H04W12/08 H04N21/2265 H04N21/2393 H04N21/25816 H04N21/43615 H04N21/43637 H04N21/454 H04N21/6408 H04N21/64322 G06Q30/0265 G05D1/0027 B60R25/102 B60R25/25 G01C21/3629 G01C21/365 G01C21/3667 G01C21/3697 B60K2350/1004 B60K2350/1056 B60K2350/352 B60K2350/965 G06F3/04886 G06F9/4443 G09G5/37 G09G2354/00 G09G2380/10 H04L51/02 H04L67/34 H04W4/021 G01C21/28 G01C21/3446 G01C21/3476 G01C21/3617 G06Q30/0266 H04L63/0428 H04L63/102 B60K2350/1052 G06F3/013 B60C1/00 H04W84/18 G05D1/0022 G08G1/207 B60W50/085 B60W2050/146 G06Q30/0641 G07C5/006 G08B21/18 G07C9/00158 B60Q9/00 G01C21/3415 G06F3/167 H04L63/0236 G06K9/00355 G06K9/00832 G06K2009/00939 G08G1/096811 G05D1/021 G05D1/0276 G08G1/0968 G08G1/096805 G08G1/096844 G08G1/164 H04N21/2225 G02B27/0093 G06K9/00221 H04W4/04 H04W4/21 H04W4/60 H04W76/11 G06F9/451 H04W4/70 H04W4/80 H04W76/19 H04W4/90

US: 1/1 340/425.5 340/457 340/5.8 340/5.83 340/573.1 340/901 340/902 370/329 370/338 382/103 382/118 455/66.1 700/276 701/1 701/102 701/117 701/2 701/25 701/301 701/33.1 701/33.4 701/34.4 701/36 701/400 701/41 701/424 701/425 701/431 701/45 701/48 701/49 701/537 701/540 701/70 702/19 704/3 705/13 705/14.62 705/26.8 705/302 705/5 707/736 707/771 709/217 715/702 715/744 717/173 725/28 725/75 726/6

**Family:**

Publication number	Publication date	Application number	Application date
CN104321220 A	20150128	CN201480001334	20140415
CN104321220 B	20170308	CN201480001334	20140415
CN104321620 A	20150128	CN201480001273	20140415
CN104379414 A	20150225	CN201480001263	20140415
CN104380349 A	20150225	CN201480001264	20140415
EP2817170 A1	20141231	EP20140766875	20140415
EP2817170 A4	20151104	EP20140766875	20140415
EP2817176 A2	20141231	EP20140766874	20140415
EP2817176 A4	20160810	EP20140766874	20140415
EP2817591 A1	20141231	EP20140766876	20140415
EP2817591 A4	20151007	EP20140766876	20140415
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EP2834598 A1	20150211	EP20140766878	20140415
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Probable Assignee: AUTOCONNECT HOLDINGS LLC

Assignee(s): (std): AUTOCONNECT HOLDINGS LLC ; FLEXTRONICS AP LLC ; RICCI CHRISTOPHER P

Inventor(s): (std): CHINCISAN OCTAVIAN ; FONG GARY ; LENNOX GENTLE THAINE ; LINDON BRENT R ; RICCI CHRISTOPHER P ; WILSON TADD F ; YUSUPOV ALISHER ; YUSUPOV ALISHER I

Agent(s): RUPPRECHT KAY; SHERIDAN ROSS PC; MARSH FISCHMANN AND BREYFOGLE LLP; ROBERT G; LENNOX GENTLE THAINE; BUCKLEY RAQUEL F; REINHARDT DEAN N; VICK JASON H; ZELENKA RICHARD E; BUCKLEY TIMOTHY E; WILSON TADD F; SWARTZ DOUGLAS W

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

Title: WEARABLE RADAR REFLECTORS

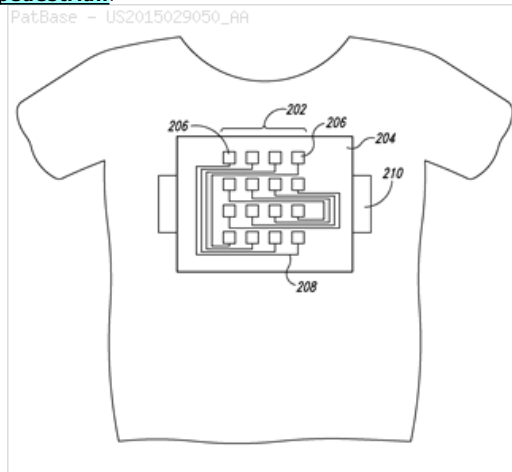
Abstract: Source: US2015029050A A wearable radar reflector includes a retroreflector configured to reflect radiation received from a vehicle, and incorporated into a garment worn by a **pedestrian**.

Classifications:

International (IPC 8-9): G01S13/74 G01S13/93 G06K9/00
G08G1/005 G08G1/095 H01Q15/14 (Advanced/Invention);
B60Q9/00 (Advanced/Non-invention)

CPC: G01S13/74 H01Q1/273 H01Q3/30 H01Q15/14 G01S13/931
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US: 1/1 340/944 342/5 342/51 342/6



Family:

Publication number	Publication date	Application number	Application date
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WO15013240 A1	20150129	WO2014US47543	20140722

Priority:

US20130011275 20130827 US20130057732 20131018 US20130950719 20130725
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Probable Assignee: ELWHA LLC

Assignee(s): (std): ELWHA LLC

Inventor(s): (std): CHEATHAM JESSE R III ; DRISCOLL TOM ; DUNCAN WILLIAM D ; DUNCAN WILLIAM DAVID ; HYDE RODERICK A ; KARE JORDIN T ; MYHRVOLD NATHAN P ; NUGENT ELIZABETH E ; PETROSKI ROBERT C ; SMITH DAVID R ; TEGREENE CLARENCE T ; URZHUMOV YAROSLAV A ; WOOD JR LOWELL L ; CHEATHAM III JESSE R ; WOOD LOWELL L JR

Inventor(s): CHEATHAM JESSE R ; WOOD LOWELL L

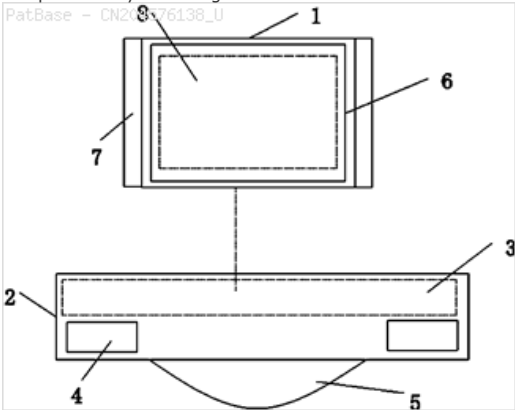
Agent(s): STEWART JOHN C ET AL

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

Title: SYSTEM OF BACKING A CAR BASED ON SINGLECHIP

Abstract: Source: CN204576138U The utility model provides a system of backing a car based on singlechip mainly includes well accuse interface, and rear of a vehicle bumper bar is installed infrared inductor and is backed a car the radar on the rear of a vehicle bumper bar, and three-dimensional camera is installed to rear of a vehicle bumper bar bottom, and well accuse interface sets up touch display screen, well accuse interface both sides installation pronunciation player, and well accuse interface is inside to be equipped with PCB circuit board, is equipped with the singlechip on the PCB circuit, voice module, alarm module, the reverse gear circuit, brake drive module and CAN module, the utility model discloses simple structure, simple to operate sets up three-dimensional camera, prevents to be cut to pieces at the in-process vehicle of backing a car to rub, sets up infrared ray sensor and can prevent to back a car the in-process and meet the pedestrian because there being the blind area, has ensured people's safety, and the practicality is strong

Classifications:
International (IPC 8-9): G05B19/042 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
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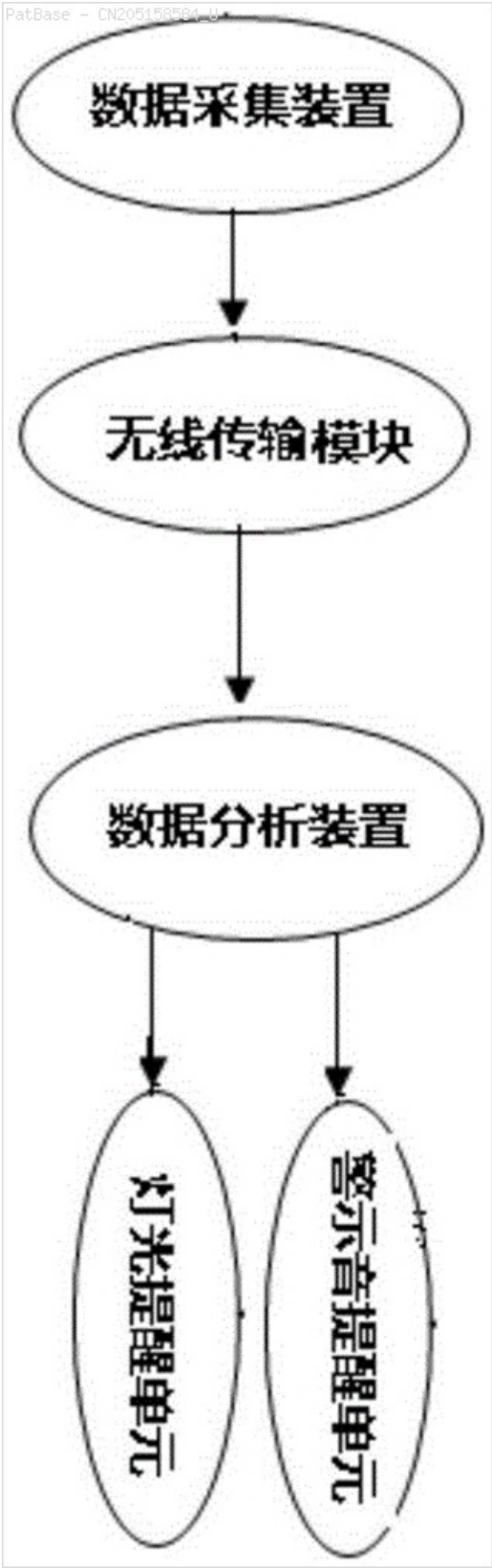
Priority:
CN201520197395U 20150403

Probable Assignee: ZHANG YAHAN
Assignee(s): (std): ZHANG YAHAN
Assignee(s): ZHANG YUHAN
Inventor(s): (std): DAI QINGYUN ; ZHANG YAHAN

Title: DEVICE FOR RESISTING FATIGUE DRIVING

Abstract: Source: CN205158584U The utility model provides a device for resisting fatigue driving, data analysis device of being connected including the data acquisition device, with the data acquisition device and the **alarm** device who is connected with the data analysis device, **alarm** device includes that light warning unit and warning tone remind the unit, the data analysis device include the image analysis circuit and with image analysis circuit connection's treater, the image analysis circuit is connected with the vehicle mounted power, the treater reminds unit and warning tone to remind the unit connection with light respectively. The utility model discloses a **camera** is to the blink seizure of time scalar sum frequency of driver, and whether determine is driver fatigue to triggering safety warning device and **alarm** device, sending warning tone and scintillation light simultaneously, with warning driver and outer vehicle of car and **pedestrian**, **prevent** that driver fatigue is effectual, the security is high.

Classifications:
International (IPC 8-9): G08B21/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
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Priority:

CN201520641528U 20150821

Probable Assignee: PANASONIC AUTOMOTIVE SYSTEMS DEV TIANJIN CO LTD

Assignee(s): (std): PANASONIC AUTOMOTIVE SYSTEMS DEV TIANJIN CO LTD

Assignee(s): PANASONIC AUTOMOTIVE SYSTEMS DEVELOPMENT TIANJIN CO ; PANASONIC AUTOMOTIVE ELECTRONICS DEVELOPMENT CO LTD TIANJIN

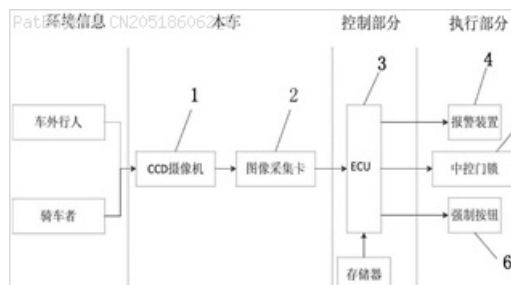
Inventor(s): (std): YANG TAO

Title: OPEN DOOR AND **PREVENT** OVERTAKING COLLISION SYSTEM BASED ON MACHINE VISION

Abstract: Source: CN205186062U The utility model discloses an open door and **prevent** overtaking collision system based on machine vision, including installing the CCD **camera** on the vehicle reflector, the CCD **camera** is connected data transmission to the ECU module that can carry out face identification, ECU module **alarm** device, well accuse lock and is forced the button through image acquisition card. The utility model discloses after the parking, the CCD **camera** of the outer reflector of approved car department is gathered the outer information of car, have when detecting the car after the **pedestrian** or by bike the person through the time, if open the left side door this moment, the ECU module can be to well accuse lock send instruction, it is dead to desire to be opened the car door lock with the left side, **prevents** to reach person's injury by bike to passenger, car unprofessional person. Do not have after detecting the car **pedestrian** or by bike the person through the time, the left side door can normally be opened. The utility model discloses can remind the person's of opening the door the action of opening the door, **prevent** the overtaking collision accident of blindly opening the door and leading to the fact effectively.

Classifications:

International (IPC 8-9): B60Q9/00 B60R21/0134 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN205186062 U	20160427	CN201521054271U	20151216

Priority:

CN201521054271U 20151216

Probable Assignee: CHANG AN UNIV

Assignee(s): (std): CHANG AN UNIV

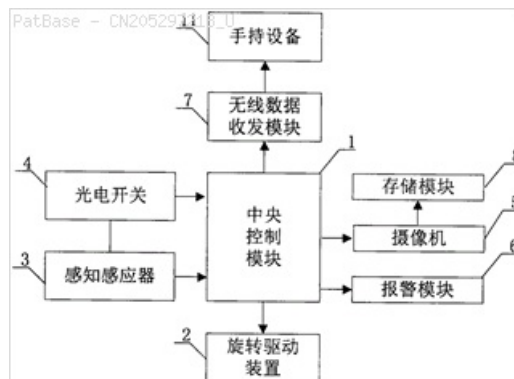
Inventor(s): (std): CHENG LEILEI ; GUAN PENGJU ; LIN BOJIAN ; WANG KAIMIN ; WANG SUILONG ; XUE ZHONGYU

Title: BUT **PREVENTION** AND CONTROL WARNING AUTOGIRATION DOOR

Abstract: Source: CN205297218U The utility model discloses a but **prevention** and control warning autogiration door, include: central control module and rotation driving device, central control module's input connect perception inductor and photoelectric switch, the perception inductor install set up on moving the door leaf stand **prevent** the doubling strip in, photoelectric switch sets up in the inboard of deciding the door leaf stand, **camera**, **alarm** module and data transmitting and receiving module are connected to central control module's output, and **alarm** module embeds the buzzer, and the **camera** is installed on the lintel of autogiration door, and data transmitting and receiving module sends the picture of **camera** shooting to handheld device. Meet when hindering when appear pressing from both sides the people, pressing from both sides the thing, when the door despined, the buzzer was started working and is reported to the police in order reminding **pedestrian** and property personnel, and the **camera** shooting revolving door is imported and exported the image and is sent to the personnel's of being correlated with the handheld device on for property personnel and maintenance personal in time know the on -the -spot condition and in time formulate the countermeasure, make the monitoring of autogiration door more perfect.

Classifications:

International (IPC 8-9): E05F15/41 E05F15/73
E06B3/90 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN205297218 U	20160608	CN201620019331U	20160111

Priority:

CN201620019331U 20160111

Probable Assignee: HEFEI KAIFANGBAODUN AUTOMATIC DOORS CO LTD

Assignee(s): (std): HEFEI KAIFANGBAODUN AUTOMATIC DOORS CO LTD

Assignee(s): HEFEI PRESCRIBING EDAM AUTOMATIC DOORS LTD ; HEFEI KAIFANGBAODUN AUTOMATIC DOORS CO

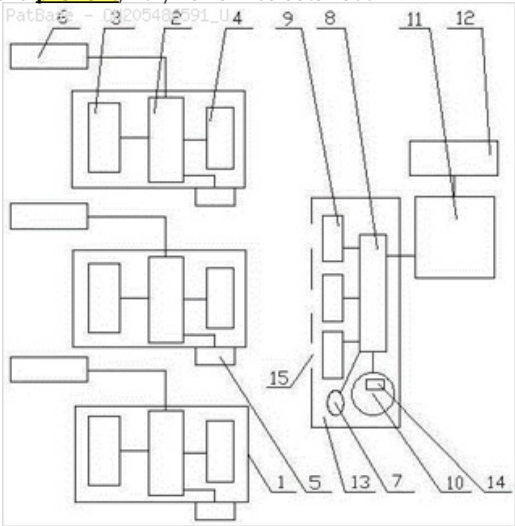
Inventor(s): (std): WANG BIN

Title: COMMUNICATION CONTROLLER DRIVE ARRANGEMENT

Abstract: Source: CN205486591U The utility model discloses a communication controller drive arrangement, including front end inductor casing, microprocessor A, light light intensity sensor and wireless signal transmitter module be equipped with in the front end inductor casing, power module is equipped with to front end inductor casing outside, microprocessor A is connected with the electric barrier electricity, unlimited emission module gives wireless signal receiving module with signalling, wireless signal receiving module is connected with the microprocessor B electricity, microprocessor B is connected with a set of alarm lamp and speaker difference electricity, microprocessor B is connected with upper electromechanics, the host computer is connected with surveillance?camera head electricity. This communication controller drive arrangement accessible time knows pedestrian's violation, then transfers relevant monitor message through the surveillance?camera head, watch pedestrian's tendency, and the countermeasure is handled on next step in the decision, and that has avoided promptly that the supervisor wants constantly not leave stands fast at at forbidden logical roadside hazard, can in time know again the pedestrian in violation of rules and regulations the action and prevent, very humanized automatic.

Classifications:

International (IPC 8-9): G08B13/18 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN205486591 U	20160817	CN201620000601U	20160104

Priority:

CN201620000601U 20160104

Probable Assignee: INFORMATION COMMUNICATION CO OF STATE GRID XINJIANG ELECTRIC POWER CO

Assignee(s): (std): INFORMATION COMMUNICATION CO OF STATE GRID XINJIANG ELECTRIC POWER CO

Assignee(s): STATE GRID ELECTRIC POWER CO TELEMATICS XINJIANG

Inventor(s): (std): AN WENYAN ; GONG RUI ; LI LUMIN ; LI MING ; LIU JIE ; LIU ZHE ; QIAO HAN ; WANG BING ; WANG XIAO ; YAO YONGBO ; ZHANG LIANGKAI ; ZHANG ZHENJIE ; ZHAO BO ; ZHOU WENTING

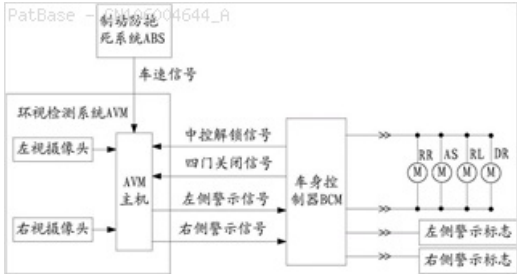
Title: AVM-BASED DOOR OPENING **ALARM** SYSTEM

Abstract: Source: CN106004644A The invention provides an AVM (Around View Monitor)-based door opening **alarm** system. The AVM-based door opening **alarm** system comprises an AVM, an ABS (Anti-lock Braking System) and a BCM (Body Control Module), wherein the ABS, a left-view **camera** and a right-view **camera** are connected with the AVM host; the AVM host is connected with the BCM. When a car stops, the dead zone behind the car is detected by the left-view **camera** and the right-view **camera** of the AVM. When a **pedestrian** or another car behind approaches the position, a preset **alarm** distance away from the car, the AVM host sends a prewarning signal to the BCM, and the BCM lights up a red warning mark at a handle of a corresponding side door to simultaneously lock four side doors. When the **pedestrian** or the car behind leaves the position, an **alarm** distance away from the car in front, the red warning mark disappears, and the car doors are unlocked. The AVM-based door opening **alarm** system can effectively **prevent** an accident of door opening collision of the car without increasing the hardware cost.

Classifications:

International (IPC 8-9): B60Q1/32 B60R21/0134 (Advanced/Invention)

CPC: B60Q1/323 B60R21/0134



Family:

Publication number	Publication date	Application number	Application date
CN106004644 A	20161012	CN201610623736	20160802

Priority:

CN201610623736 20160802

Probable Assignee: SOUTH EAST FUJIAN MOTOR CORP LTD

Assignee(s): (std): SOUTH EAST FUJIAN MOTOR CORP LTD

Assignee(s): SOUTH EAST FUJIAN MOTOR LTD CORP ; SOUTHEAST FUJIAN AUTOMOTIVE IND CO LTD ; SOUTHEAST FUJIAN MOTOR CO LTD

Inventor(s): (std): CHEN YAN

Title: MODULAR APPROACH FOR SMART AND CUSTOMIZABLE SECURITY SOLUTIONS AND OTHER APPLICATIONS FOR A SMART CITY

Abstract: Source: US2017301220A A modular approach is provided for sensing and responding to detected activity or an event in a region that can be implemented quickly and easily using existing city infrastructure to establish a grid of sensors and detectors to provide localized or wide area coverage. The approach provides a turnkey solution or smart city in a box that can be adapted to different situations and needs to provide communications functionality and/or a desired or customized functionality for a wide range of different applications.

Classifications:

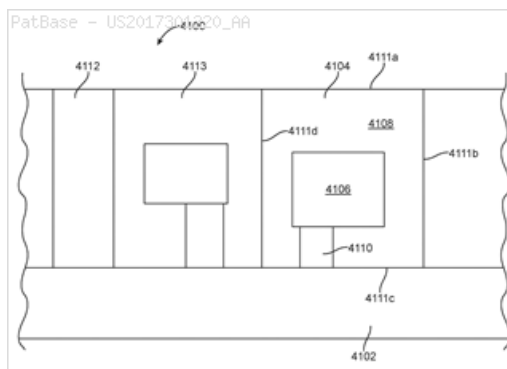
International (IPC 8-9): F21V33/00 G05B19/048 G08B25/10

H04L12/28 H04L29/08 H04W4/00 (Advanced/Invention);

H04W84/18 (Advanced/Non-invention)

CPC: G08B25/10 H04W4/005 H04L67/125 H04W4/001 H04W84/18

H04W4/50 H04W4/70



Family:

Publication number	Publication date	Application number	Application date
US2017301220 AA	20171019	US20170489526	20170417
WO17184636 A1	20171026	WO2017US28184	20170418

Priority:

US20160324673P 20160419	US20160331672P 20160504	US20160360335P 20160709
US20160365323P 20160721	US20160385181P 20160908	US20160405080P 20161006
US20170489526 20170417		

Probable Assignee: NAVIO INT INC

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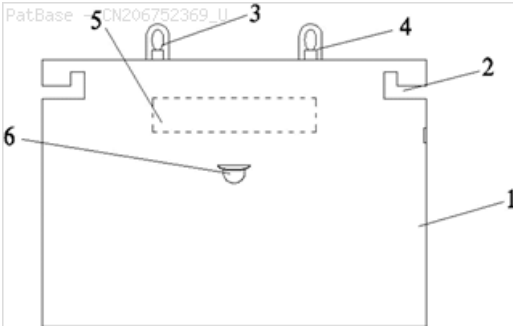
Agent(s): ISON ANNA M ET AL

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

Title: A municipal road fence Imaging (Machine translation)

Abstract: Source: CN206752369U The utility model discloses a camera with a municipal road fence, including the fence, the fence is provided with a counterweight, said fence is provided as a closed-like fence, the fence on both sides of the upper portion of the bent structure of the groove, the lift raising his hand hand groove bent shape is set equal to the palm of the bent shape, the top of the fence install alarm lamp and lighting, the internal fence installed batteries, battery wires alarm lamp and lighting, the guardrail is provided with a gravity sensor, gravity sensor connected warning lights of the signal receiver, the guardrail on both sides are embedded into the installation miniature camera, the miniature camera connected battery, the guardrail is provided with a miniature camera information memory. The municipal road fence with the camera, not only easy dumping, to pedestrian safety, but also in the event of an accident, to make safety warning, to prevent accidents, and can record a greater accident situation, facilitate accountable afterwards.

Classifications:
International (IPC 8-9): E01F15/08 E01F9/615
E01F9/669 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: WANG CHUN LING
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