

Diego Gonzalez

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Title: **VEHICLE** INTRUDER ALERT DETECTION AND INDICATION

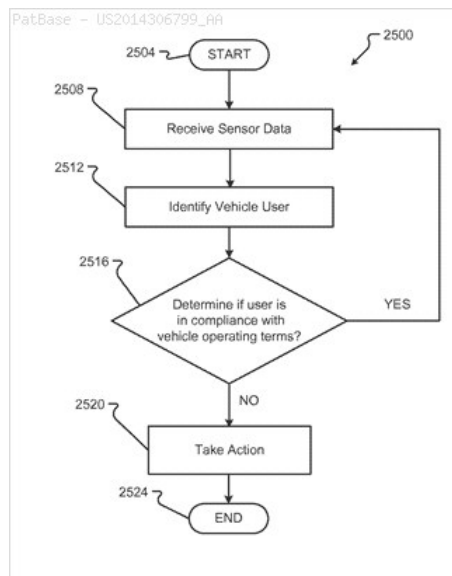
Abstract: Source: US2014306799A Methods and systems for a detecting an intruder near or within a **vehicle** are disclosed. Specifically, a method to detect and identify a person near or within a **vehicle** as an authorized or an unauthorized user is provided. In the event an unauthorized user is detected 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): B60N2/02 B60Q1/00 B60Q7/00 B60R16/037 B60R22/00 B60R25/25 B60W10/00 B60W40/08 B60W40/09 B60W50/08 G01C21/00 G01C21/20 G01C21/26 G01C21/34 G01C21/36 G01L13/00 G05B15/02 G05D1/00 G05D1/02 G05D23/19 G06F15/177 G06F17/28 G06F17/30 G06F21/00 G06F3/01 G06F3/0481 G06F3/0484 G06F9/445 G06K9/00 G06K9/62 G06Q10/00 G06Q10/02 G06Q10/10 G06Q20/14 G06Q30/00 G06Q30/02 G06Q30/06 G06Q50/30 G07C5/00 G07C5/08 G07C9/00 G08B21/02 G08B25/01 G08G1/0965 G08G1/0968 G08G1/16 G10L13/00 H04L29/06 H04L29/08 H04N21/214 H04N21/218 H04N21/258 H04N21/414 H04N21/454 H04N21/475 H04N7/18 H04W36/32 H04W4/04 H04W4/12 H04W48/02 H04W68/12 H04W76/02 H04W8/08 (Advanced/Invention); G08G1/0967 H04N7/18 H04W12/06 H04W12/08 H04W4/20 H04W84/00 (Advanced/Non-invention)

CPC: B60Q1/00 G08G1/166 G01C21/34 G01C21/36 G06Q30/0639 G06Q30/0633 G01C21/00 H04W48/02 G01C21/3647 G06Q30/0645 G06Q10/02 G08G1/0965 G06F17/30864 G05D1/0212 H04N21/4542 H04N21/2181 H04N21/25841 H04N21/214 H04N21/4751 G07C5/008 G07C5/085 B60W40/09 G07C5/0808 H04W76/021 G06F17/30247 G06K9/00268 B60W50/08 G06F21/00 G06Q50/30 G06Q20/145 B60R16/0373 H04W4/046 G06F17/30557 H04L67/12 G06F17/28 G06Q30/012 G06Q10/20 H04L63/08 G05D23/1917 G06K9/00255 G06F3/04842 G06F3/0481 G06F3/016 G07C9/00126 H04W4/12 G06Q30/0265 G07C5/00 G05D1/0027 H04W36/32 G08B21/0205 H04W84/005 G08G1/096725 G08G1/096741 G08G1/096775 H04W12/06 H04W12/08 G07C9/00158 B60R16/037 B60Q7/00 H04W4/206 G06F8/65 H04L67/10 H04W4/003 B60R25/1004 G01C21/26 G06F3/017 G06F3/0488 G06F21/31 G06F21/32 G08B13/19647 G08B21/06 G08B25/016 G08B29/188 H04N7/181 H04N21/41422 H05K999/00

US: 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



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Publication number	Publication date	Application number	Application date
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Priority:

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

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

Agent(s): RUPPRECHT KAY; SHERIDAN ROSS PC; LENNOX GENTLE THAINE; BUCKLEY RAQUEL F; REINHARDT DEAN N; VICK JASON H; ZELENK A 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

Title: ELECTRICALLY CONTROLLED AUTOMATED DEVICES TO OPERATE, SLOW, GUIDE, STOP AND SECURE, EQUIPMENT AND MACHINERY FOR THE PURPOSE OF CONTROLLING THEIR UNSAFE, UNATTENDED, UNAUTHORIZED, UNLAWFUL HAZARDOUS AND/OR LEGAL USE, WITH REMOTE CONTROL AND ACCOUNTABILITY WORLDWIDE

Abstract: Source: US2001056544A This application describes completely in many unique ways and detail all the devices to reduce a **vehicle**'s speed and/or reduce a machines RPM's and/or stop any piece of equipment's as well as guide it if mobile through automated controls. First to slow it down, and guide it and/or control it if necessary (i.e., other pieces of equipment). Secondly it discusses how to stop any piece of equipment completely. And thirdly, the invention secures it in a safe stationary position either entirely or any number of specific moving parts. Many of these systems are initially here described to slow, reduce speed, steer, stop and/or secure equipment functions. However, they also can be used to increase a piece of equipment's functions. In other words their variations are completely capable to serve any remote or automated controls on a **vehicle** in the future to provide full robotics systems, e.g., for automated transportation systems, automated manufacturing, etc., either through individually isolated remote control systems and/or interfaced with other off-board systems through communication links, gateway computers, computer networks and the world wide web for inexpensive long distance monitoring and remote control. The invention focuses on the automobile industry but as has always been maintained throughout all these applications these devices and systems are designed to control every piece of equipment. The invention includes various accountable protocols and commercial developments to control speed, brake and steering for an automobile shut down to be performed through automation to a safe controlled secured deactivated state to be considered as a basis for a standard in aggressive **vehicle** remote control and/or to control and guide a **vehicle** and/or piece of equipment through many different automated systems.

Classifications:

International (IPC 8-9): B29C65/00 B32B37/00 B60R25/00 B60R25/02 B60R25/04 B60R25/042 B60R25/08 B60R25/10 B60R25/102 B60R25/25 B60R25/30 B60R25/33 B61C17/12 B61G5/10 B67D5/36 B67D7/04 B67D7/38 C04B37/00 E06B1/56 E06B5/11 F17D1/08 G01C21/34 G01S5/02 G05B11/01 G05B15/00 G05B23/02 G05D1/00 G06F13/00 G06F19/00 G06F7/04 G06Q99/00 G07C5/08 G08B13/22 G08C17/00 G08C17/02 G09F3/03 H04B7/185 H04L29/10 H04L9/00 H04M11/00 H04Q1/00 H04Q7/00 H05B1/00 (Advanced/Invention); G06Q99/00 (Advanced/Non-invention); B32B37/00 B60R25/00 B60R25/04 B60R25/08 B60R25/10 B61C17/00 B61G5/00 B67D7/00 B67D7/38 E06B1/56 E06B5/10 F17D1/00 G01S5/02 G05B15/00 G05B23/02 G06F13/00 G06F19/00 G06F7/02 G06Q99/00 G07C5/00 G08C17/00 H04B7/185 H04M11/00 H04Q1/00 (Core/Invention)

International (IPC 1-7): B32B31/00 B60K31/00 B60R25/00 B60R25/04 B60R25/10 B61C17/12 B61G5/10 B67D5/04 B67D5/36 E06B1/56 E06B5/11 F17D1/08 G01S5/02 G05B11/01 G05B15/00 G05B23/02 G06F11/30 G06F12/14 G06F13/00 G06F17/00 G06F17/60 G06F19/00 G06F7/00 G06F7/04 G08B5/22 G08C17/00 G08C17/02 H04B7/185 H04L29/10 H04L9/00 H04M11/00 H04Q1/00 H04Q7/00 **CPC:** B60R25/04 B60R25/252 B60R25/255 B60R25/257 B60R2325/101 G06Q99/00 B60R25/302 B60R25/305 B60R25/042 B60R25/08 B60R25/102 B60R25/33 B60R2325/205 B60R2325/304 B60T7/18 B60T8/4266 B60T8/4863 B60W50/029 B60W2550/402 F02D41/021 F02D41/042 H04Q9/00 Y02T30/40 G06Q30/02

European: B60R25/02 B60R25/04 B60R25/042 B60R25/08 B60R25/102 B60R25/25B B60R25/25D B60R25/25F B60R25/30B B60R25/30D B60R25/33 B60T7/18 B60T8/42A6 B60T8/48B4D B60W50/029 F02D41/02C G06F17/60 G06Q30/02 G06Q90/00 L60R325/10B L60R325/20D L60R325/30D L60W550/40A R02D41/04B

US: 156/308.4 156/325 156/499 180/17 180/170 180/170S 219/243 219/535 219/544 701/1 701/1P 701/2 701/209 701/209S 701/29 701/29P 701/31.4 701/31.400P 701/36 701/36S 701/400 701/400S 713/193 713/193P 713/200 726/2 726/2P

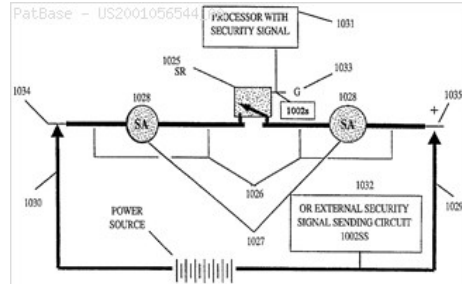
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Assignee(s): (std): KLINE AND WALKER L L C ; KLINE AND WALKER LLC ; WALKER RICHARD C



Inventor(s): (std): RICHARD C WALKER ; WALKER RICHARD ; WALKER RICHARD C
Agent(s): HOFMANN HARALD ET AL; WILMER CUTLER PICKERING HALE AND DORR LLP; WILMERHALE/NEW YORK; WILMERHALE NEW YORK
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 EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: PERIPHERAL ACCESS DEVICES AND **SENSORS** FOR USE WITH **VEHICLE** TELEMATICS DEVICES AND SYSTEMS

Abstract: Source: US2011118934A A telematics method and system includes, and uses, a telematics device with a controller in communication with a diagnostic system configured to receive diagnostic information from a host **vehicle**; a position-locating system configured to determine location information of the host **vehicle**; a wireless transceiver configured to transmit and receive information through a wireless network to and from at least one Internet-accessible website; and, a communication interface including at least a short range wireless interface link. The telematics device may be embodied in an access device, which may include the position-locating system. The access device may be a smartphone, or similar device, that retrieves/transmits diagnostic data/information, and other data/information to/from the **vehicle** via the short range wireless link. The access device performs various telematics device functions; it uses a long range wireless interface to communicate diagnostic and related information to a central host computer, and to receive related information from same.

Classifications:

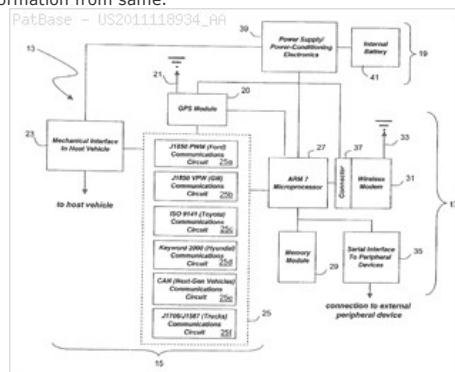
International (IPC 8-9): B60R25/10 G01C17/00 G01M15/10 G06F17/00 G06F19/00 G06F7/00 G06Q50/00 G06Q50/30 G07C5/00 (Advanced/Invention); G08G1/123 (Advanced/Non-invention); B60R25/10 G01M15/04 G06Q50/00 G07C5/00 (Core/Invention); G08G1/123 (Core/Non-invention)

International (IPC 1-7): G01M15/00 G06F7/00

CPC: B60R25/102 B60R25/302 B60R25/33 G08G1/205 G01M15/102 G06Q50/30 G06Q90/00 G07C5/008 G08G1/0962 G08G1/20 G01C21/26 G01C21/3688 G01S19/14 G07C2205/02 G07C5/0808

European: B60R25/102 B60R25/30B B60R25/33 G01C21/26 G01C21/36S G01M15/10E G06Q50/30 G06Q90/00 G07C5/00T G08G1/09 G08G1/0962 G08G1/0967C1 G08G1/20 S01S19/14 S07C205/02 S08G1/20B

US: 701/2 701/213 701/29 701/29.1 701/29.4 701/2P 701/31.4 701/31.5 701/31.500P 701/31.500S 701/32.3 701/32.300S 701/32.4 701/32.7 701/33 701/33.2 701/34.3 701/34.4 701/36



Family:

Publication number	Publication date	Application number	Application date
US2011118934 AA	20110519	US20110014635	20110126
US2012053759 AA	20120301	US20110244017	20110923
US2015032291 AA	20150129	US20130949136	20130723
US6604033 BA	20030805	US20010776033	20010201
US6604033 C1	20141027	US20010776033	20010201
US6636790 BA	20031021	US20010776106	20010201
US6636790 C1	20140115	US20010776106	20010201
US6732031 BA	20040504	US20030447713	20030529
US6732031 C1	20121009	US20030447713	20030529
US6732032 BA	20040504	US20030456788	20030606
US6957133 BA	20051018	US20030431947	20030508
US7228211 BA	20070605	US20040810373	20040326
US7904219 BA	20110308	US20070796372	20070427
US8055403 BB	20111108	US20110014635	20110126
US8527135 BB	20130903	US20110244017	20110923

Priority:

US20000220986P	20000725	US20000222213P	20000801	US20030431947	20030508
US20010776106	20010201	US20000222152P	20000801	US20010776033	20010201
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US20130949136	20130723				

Assignee(s): (std): BANET MATTHEW J ; BERKOBIN ERIC C ; BORREGO DIEGO A ; NETWORKCAR COM ; HTI IP LLC ; HTIIP LLC ; LOWREY LARKIN H ; LINK II CHARLES M ; LIGHTNER BRUCE DAVIS ; HTI IP L L C ; REYNOLDS AND REYNOLDS HOLDINGS ; REYNOLDS AND REYNOLDS HOLDINGS I ; WASHICKO PAUL ; WETTIG ALAN

Assignee(s): NETWORKCARCOM PLAZA ; RUSSELL S LEWIS TRANSORE ; NETWORKCAR INC ; REYNOLDS AND REYNOLDS HOLDING INC ; RUSSELL S LEWIS ; PLASE HT LLC ; NETWORKCARCOM ; REYNOLDS AND REYNOLDS HOLDINGS INC ; MORGAN STANLEY AND CO INC ; MORGAN STANLEY AND CO INC COLLATERAL AGENT AS ; GLANCY FAMILY TRUST U A DATED JULY 23 2001

Inventor(s): (std): BANET MATTHEW ; BANET MATTHEW J ; BERKOBIN ERIC C ; BORREGO DIEGO ; BORREGO DIEGO A ; BOTREGO DIEGO ; HUNT ROBERT ; LIGHTNER BRUCE ; LIGHTNER BRUCE DAVIS ; LINK II CHARLES M ; LOWREY LARKIN ; LOWREY LARKIN H ; LOWREY LARKIN HILL ; MYERS CHUCK ; WASHICKO PAUL ; WETTIG ALAN

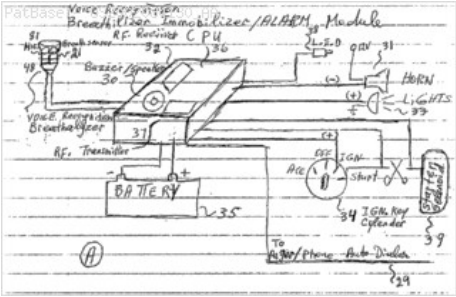
Agent(s): KIRKPATRICK AND LOCKHART PRESTON GATES ELLIS LLP ; STEPHEN C ; JOHN L

Title: **BREATHALYZER** WITH VOICE RECOGNITION

Abstract: Source: US2002084130A A Voice recognition **Breathalyzer** comprises of a microphone for transducing spoken expression into electronic signals and a **breathalyzer sensor** for transducing given breath content into electronic signals. An audio and **breathalyzer sensor** circuit for conditioning said electronic signals from said microphone and **breathalyzer sensor**; a memory storage for storing speech templates and toxic breath setting; a processor for processing said conditioned electronic signals and for simultaneously comparing the processed, conditioned electronic signals with said speech templates and said toxic breath setting threshold stored in said memory storage, said processor generating a unique signal when said processed, conditioned electronic signals are substantially similar to one of said speech templates and below said toxic breath setting threshold. In the preferred embodiment of invention said Voice recognition **breathalyzer** is mobil and it's powered by a **battery** and said unique signals are transmitted by an RF link.

Classifications:

International (IPC 8-9): B60K28/06 (Advanced/Invention);
B60W50/08 B60W50/14 (Advanced/Non-invention);
B60K28/00 (Core/Invention);
B60W50/08 (Core/Non-invention)
International (IPC 1-7): A61B5/00 B60K28/06
CPC: B60K28/066 B60K28/063 B60W2050/143 B60W2550/402
European: B60K28/06B B60K28/06D L60W50/14B L60W550/40A L60W600/30B
US: 180/272 422/84 600/532 73/23.3 73/233



Family:

Publication number	Publication date	Application number	Application date
US2002084130 AA	20020704	US20010866791	20010328
US6726636 BB	20040427	US20010866791	20010328

Priority:

US20000196429P 20000412 US20010866791 20010328

Assignee(s): (std): LORAN TECHNOLOGIES INC

Assignee(s): DER GHAZARIAN OHANES ; DER GHAZARIAN VIKEN

Inventor(s): (std): DER GHAZARIAN VIKEN ; DER GHAZARIAN OHANES

Title: RF BREATHALYZER

Abstract: Source: US2002127145A A RF **Breathalyzer** system, which transmits a unique RF signal in response to a toxic or non-toxic breath sample given to said RF **Breathalyzer** by the user. An immobilizer CPU installed in a **vehicle** to receive commands from said RF **Breathalyzer** and to control said **vehicle** Horn, Lights, Immobilize engine, and is connected to a GPS antenna driver through a mobile phone/pager unit to communicate with a monitoring station.

Classifications:

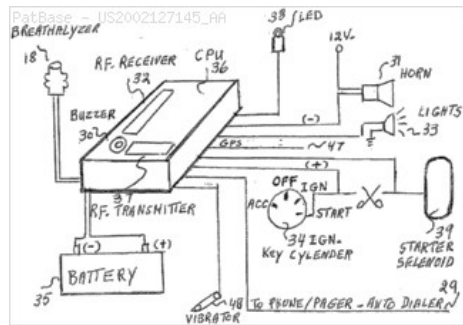
International (IPC 8-9): G01N31/22 G01N33/48 G01N33/497 (Advanced/Invention); G01N31/22 G01N33/48 G01N33/483 (Core/Invention)

International (IPC 1-7): G01N27/00

CPC: Y10T436/204165 A61B5/083 G01N33/4972

European: A61B5/083 G01N33/497A

US: 422/83 422/84 436/132



Family:

Publication number	Publication date	Application number	Application date
US2002127145 AA	20020912	US20010755716	20010105
US2006193749 AA	20060831	US20030673314	20030929
US7341693 BB	20080311	US20030673314	20030929

Priority:

US20000174897P 20000106 US20010755716 20010105 US20030673314 20030929

Assignee(s): (std): DER GHAZARIAN OHANES ; DER GHAZARIAN VIKEN ; GHAZARIAN OHANES D ; GHAZARIAN VIKEN D ; LORAN TECHNOLOGIES INC

Inventor(s): (std): DER GHAZARIAN OHANES ; DER GHAZARIAN VIKEN ; GHAZARIAN OHANES D ; GHAZARIAN VIKEN D

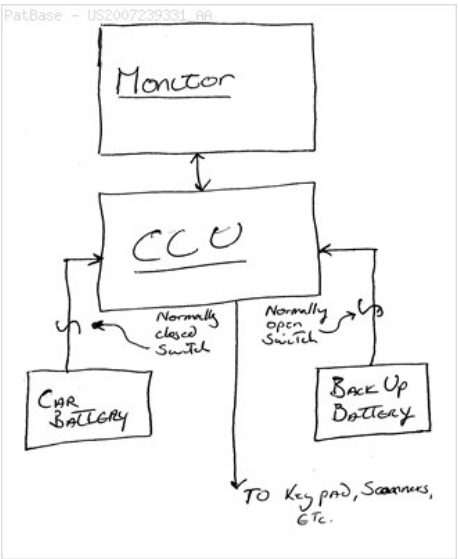
Inventor(s): GHAZARIAN VIKEN DER ; GHAZARIAN OHANES DER ; GHAZARIAN VIKEN ; GHAZARIAN OHANES

Agent(s): MATTHEW A NEWBOLES STETINA BRUNDA GARRED AND BRUCKER; STETINA BRUNDA GARRED AND BRUCKER

Title: GPS, CELLULAR, FM SPEED AND SAFETY CONTROL DEVICE

Abstract: Source: US2007239331A A system, method and device for automatically controlling the maximum speed of a **vehicle** based upon the actual speed limit of a roadway being traveled by the **vehicle** by using a (GPS) receiver, the nationwide cellular network and FM signal to locate the position of **vehicle** in 'real time', using a computer control unit to control **vehicle** maximum speed by incorporating road speed limiting devises and governor, to identify **vehicle** operators using keyboard and scanner devises and to receive and send user specific information, navigational and remote operation of **vehicle** components.

Classifications:
International (IPC 8-9): G06F19/00 (Advanced/Invention)
CPC: B60R25/04 B60R25/102 B60R25/241 B60R25/302 B60R25/33 G07C5/008 G07C9/00563
European: B60R25/04 B60R25/102 B60R25/24B B60R25/30B B60R25/33 G07C5/00T S07C9/00E6
US: 701/36 701/36P



Family:

Publication number	Publication date	Application number	Application date
US2007239331 AA	20071011	US20060645551	20061226

Priority:
US20050753612P 20051224 US20060645551 20061226

Assignee(s): (std): KAPLAN CRAIG R
Inventor(s): (std): KAPLAN CRAIG R
Inventor(s): KAPLAN CRAIG ROBERT ; KAPLAN CRAIG
Agent(s): CRAIG KAPLAN

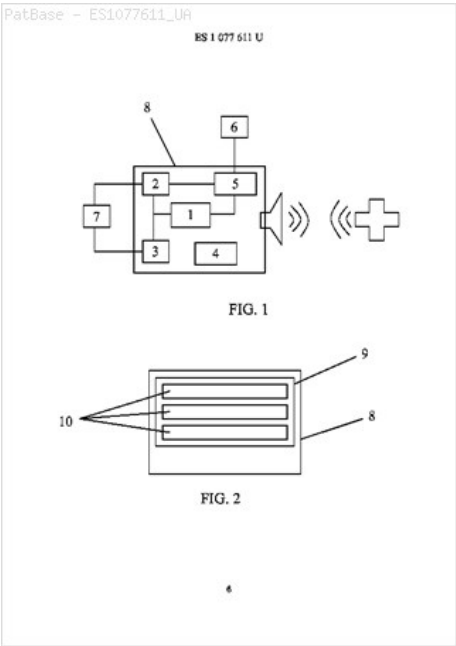
Title: DISPOSITIVO DE SEGURIDAD Y LOCALIZACION PARA VEHICULOS SAFETY DEVICE AND VEHICLE LOCATION (Machine translation)

Abstract: Source: ES1077611U 1. Dispositivo de seguridad y localizacion para vehiculos, que comprende una carcasa (8) estanca y antivandamica, con medios de union para adherirse a cualquier zona interna del vehiculo que sea visible desde el exterior, con una pantalla (9) con una pluralidad de zonas (10) de control diferenciadas, y con un sistema de senalización a traves de colores y digitos para cada una de las zonas (10) de la pantalla (9), en cuyo interior dispone de una unidad central de control (1) a la que se conectan un sistema de localizacion (2) de posicion, un sistema de comunicacion (3) inalambrico para el envio de senales de emergencia y localizacion a un receptor, una bateria (4), una tarjeta (5) de registro y almacenamiento de datos, y que dispone de conexiones para al menos un sensor, una antena auxiliar y cable de alimentacion, caracterizado porque comprende un sensor de frenado (6) asociado a la tarjeta (5) de registro y almacenamiento de datos y un sensor de airbag (7) asociado a los sistemas de localizacion (2) y comunicacion (3), de modo que el envio de senales de emergencia y localizacion esta en funcion de la activacion de dicho sensor de airbag (7).2. Dispositivo de seguridad y localizacion para vehiculos, segun reivindicacion 1, caracterizado porque para casos de accidentes leves donde no se salte el airbag, dispone de medios de activacion manual de la senal de alarma.3. Dispositivo de seguridad y localizacion para vehiculos, segun reivindicaciones anteriores, caracterizado porque esta conectado al sistema de arranque del vehiculo.4. Dispositivo de seguridad y localizacion para vehiculos, segun reivindicaciones anteriores, caracterizado porque comprende medios para la conexon de un alcoholimetro, asociado a su vez al sistema de arranque del vehiculo.

Machine translation: 1. Safety device and location for vehicles, comprising a housing (8) waterproof and vandal with attachment means to adhere to any internal area of the vehicle that is visible from the outside, with a screen (9) with a plurality of zones (10) distinct control, and a system of signaling through colors and digits for each of the zones (10) of the screen (9), in whose interior has a central control unit (1) to which connect a tracking system (2) position, a communication system (3) for sending wireless signals and emergency location to a receiver, a battery (4), a card (5) for recording and storing data, and has connections to at least one sensor, an auxiliary antenna and power cord, characterized by comprising a brake sensor (6) associated with the card (5) for recording and storing data and an airbag sensor (7) associated with positioning systems (2) and communication (3), so sending emergency signals and location is a function of the activation of the airbag sensor (7) 2. Safety device and location for vehicles according to claim 1, characterized in that in case of minor accidents where the airbag not skip, has manual activation means alarma.3 SIGNAL. Safety device and location for vehicles according to previous claims, characterized in that it is connected to the ignition system of vehiculo.4. Safety device and location for vehicles according to previous claims, characterized in that it comprises means for connecting a breathalyzer, associated in turn to the ignition system of the vehicle.

Classifications:

International (IPC 8-9): G06K7/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
ES1077611 UA	20120822	ES20120030725U	20120702
ES1077611 Y1	20121120	ES20120030725U	20120702

Priority:

ES20120030725U 20120702

Assignee(s): (std): CABELLO ORTIZ BERNABE ; DIAZ GONZALEZ JUAN MANUEL

Assignee(s): JUAN MANUEL DIAZ GONZALEZ ; BERNABE CABELLO ORTIZ

Inventor(s): (std): CABELLO ORTIZ BERNABE ; DIAZ GONZALEZ JUAN MANUEL

Inventor(s): JUAN MANUEL DIAZ GONZALEZ ; BERNABE CABELLO ORTIZ