

Diego Gonzalez

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Search parking and rfid and tag and (car or vehicle) (Results 270)

1:

Search parking and rfid and tag and (car or vehicle) and (control* and process*) (Results 69)

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3:

Search parking and rfid and tag and (car or vehicle) and (control* and process*) and reader and (wireless or wire) (Results 25)

4:

Search parking and rfid and tag and (car or vehicle) and (control* and process*) and reader and (wireless or wire) and (entrancy or entry) (Results 9)

5:

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

B60R25/102 B60R25/104 B60R25/20 B60R25/24 B60R25/30

B60S5/06 B60W10/184 B60W10/20 B60W30/09 B60W40/08

B60W50/08 B60W50/16 G01C21/34 G01C21/36 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 G06Q20/10 G06Q20/14 G06Q20/18 G06Q20/32

G06Q20/38 G06Q30/00 G06Q30/02 G06Q30/06 G06Q50/06

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G08G1/14 G08G1/16 G09G5/14 G10L15/00 G10L15/02 G10L15/16

G10L15/22 G10L15/30 G10L17/04 G10L17/06 G10L17/26

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H01M10/46 H01M2/10 H01M2/20 H02J3/32 H02J5/00 H02J7/00

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 G01C21/36 G07C5/00 G08G1/00 G10L15/22 G10L15/30 G10L21/0208 G10L25/63 H04W84/12 (Advanced/Non-

invention)

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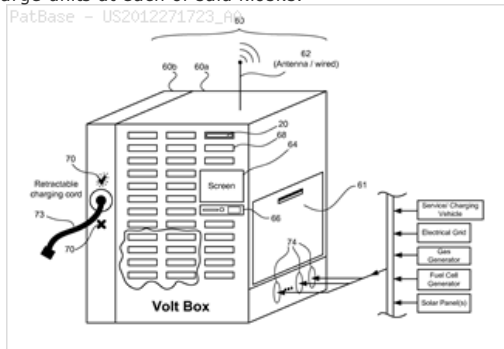
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Probable Assignee:

PENILLA ALBERT S

Assignee(s): (std):

PENILLA ALBERT S ; PENILLA ANGEL A

Inventor(s): (std):

PENILLA ALBERT S ; PENILLA ANGEL A

Title: Antenna array for smart **RFID tags**

Abstract: Source: US2002044096A An antenna array comprises a plurality of antenna loops disposed to define a portal or passageway or other detection region in which the plural antenna loops transmit and/or receive electromagnetic signals. A **processor** coupled to the plural antenna loops **processes** at least the received signals and/or transmitted signals. The plural antennas may be arrayed in a rectangular array, on hanging flexible substrates or other suitable arrangement, and may be coupled to the **processor** by a filter or selective switch. The **processor** may be coupled to a utilization system for cooperating therewith for performing a desired function.

Classifications:

International (IPC 8-9): A61B5/117 G06F11/30 G06F17/50
G06F17/60 G06F19/00 G06F21/00 G06K17/00 G06K19/07 G06K5/00
G06K5/10 G06K7/08 G06K7/10 G06K9/00 G06K9/18 G06K9/68
G06Q10/00 G06Q10/08 G06Q10/10 G06Q30/00 G06Q50/00
G06Q50/10 G06Q50/24 G06Q50/34 G06Q99/00 G07C13/00
G08B13/14 G08B13/24 G08B19/00 G08B23/00 H01Q1/12 H01Q1/22
H01Q1/38 H01Q21/00 H01Q21/24 H01Q21/28 H01Q21/29 H01Q7/00
H03M13/00 H04L12/16 H04L29/06 H04L9/32
H04Q5/22 (Advanced/Invention);
G06K17/00 G07C9/00 G08B13/14 (Advanced/Non-invention);
G06F11/30 G06F17/50 G06F19/00 G06K17/00 G06K5/00
G06K7/08 G06K7/10 G06K9/00 G06K9/18 G06Q10/00 G06Q30/00
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G06K17/00 (Core/Non-invention);
G06K G08B (Subclass/Invention)

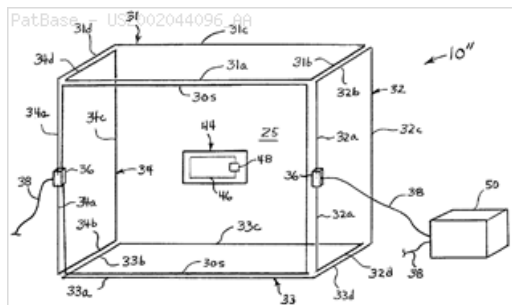
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343/843 343/844 343/866 343/867 343/867S 343/893 343/894 345/179 348/161 382/100 382/115 382/119 382/119P
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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: PANASEC CORP

Assignee(s): (std): AVANTE INT TECHNOLOGY ; AVANTE INT TECHNOLOGY INC ; CHUNG KEVIN K ; CHUNG KEVIN KWONG TAI ; SHI XIAOMING ; KWONG TAI CHUNG KEVIN ; DONG VICTOR JUN ; MINADEO JAMES ARTHUR ; MINADEO JAMES A ; CHUNG KEVIN KWONG TAIQ ; DONG VICTOR J ; AMERASIA INT TECHNOLOGY I ; AMERASIA INT TECHNOLOGY INC ; PANASEC CORP ; AI TECHNOLOGY

Assignee(s): AL TECHNOLOGY ; AMERASIA INT ; LIU SHUIWANG ; AMERASIA INT TECHNOLOGY INC PRINCETON JUNCTION ; AVANTE INT ; SILICON VALLEY BANK

Inventor(s): (std): CHUNG KEVIN KWONG TAIQ ; DONG VICTOR JUN ; JAMES A MINADEO ; KWONG TAI CHUNG KEVIN ; LIU SHUIWANG ; MINADEO JAMES ARTHUR ; SHI XIAOMING ; XIAOMING SHI ; MINADEO JAMES A ; KEVIN KWONG TAI CHUNG ; DONG VICTOR J ; CHUNG KEVIN K ; CHUNG KEVIN KWONG TAI

Inventor(s): CHUNG KEVIN KWONG TAI PRINCETON ; DONG VICTOR ; CHUNG KEVIN

Agent(s): BERESKIN AND PARR; BERESKIN AND PARR LLP SENCRL SRL; PATENTANWAELTE ISENBRUCK BOESL HOERSCHLER LLP; HANSON WILLIAM BENNETT; DANN DORFMAN HERRELL AND SKILLMAN; DANN DORFMAN HERRELL AND SKILLMAN PC; CLEMENT A; BERARD ESQ CLEMENT A

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 SC 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: EFFICIENT TRANSACTIONAL MESSAGING BETWEEN LOOSELY COUPLED CLIENT AND SERVER OVER MULTIPLE INTERMITTENT NETWORKS WITH POLICY BASED ROUTING

Abstract: Source: US2014098758A A system includes a server; a plurality of **wireless** networks coupled to the server; and one or more mobile devices coupled to the **wireless** networks with intermittent access to the **wireless** networks, the plurality of **wireless** networks providing data communication between client and server applications over multiple intermittent connections.

Classifications:

International (IPC 8-9): A61B10/00 A61B5/00 A61B5/02

A61B5/0205 A61B5/0402 A61B5/0476 A61B5/11 A61B5/1172
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G06F3/048 G06F3/0481 G06F3/0482 G06F3/0484 G06F3/0488
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G06F15/16 (Core/Invention)

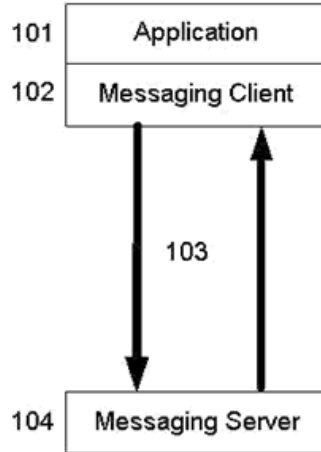
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European: H04L29/06H H04L29/08N31Y H04L47/10 H04L47/14 H04L47/20 H04L47/40

US: 1/1 244/7A 345/156 348/148 370/329 370/331 701/11 701/3 701/8 705/14.12 705/14.23 705/14.34 705/14.73 705/27.1
705/40 705/44 705/64 705/65 705/67 705/71 705/75 709/203 709/206 709/207 709/224

PatBase - US2014098758_AA



Family:

Publication number	Publication date	Application number	Application date
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US2014098758 AA	20140410	US20130034509	20130923
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Probable Assignee: AMOBILEPAY INC

Assignee(s): (std): WORLD AWARD ACAD ; ZHOU DYLAN T X ; ZHOU ANDREW H B ; ZHOU DYLAN ; ZHOU ANDREW ; ZHOU HAIBIN ; ZHOU DYLAN TX ; XING ZHOU TIAN ; AMOBILEPAY INC ; CHENG WESLEY ; GRONBERG MARTIN ; WORLD AWARD ACAD WORLD AWARD FOUND AMOBILEPAY INC ; WORLD AWARD FOUND ; ZHOU TIGER T G ; ZHOU TIGER ; ZHOU TIANXING ; ZHOU TIANGE

Assignee(s): TRAN BAO ; VENTURE LENDING AND LEASING IV INC ; WORLD AWARD ACADEMY ; WORLD AWARD ACADEMY WORLD AWARD FOUNDATION AMOBILEPAY INC ; WORLD AWARD FOUNDATION

Inventor(s): (std): CHENG WESLEY ; GRONBERG MARTIN ; XI MARY M Z ; XING ZHOU TIAN ; ZHOU ANDREW ; ZHOU ANDREW H B ; ZHOU DYLAN ; ZHOU DYLAN T X ; ZHOU DYLAN TX ; ZHOU HAIBIN ; ZHOU TIANGE ; ZHOU TIANXING ; ZHOU TIGER ; ZHOU TIGER T G

Agent(s): TRAN AND ASSOCIATES; GEORGIY L; WWWNIELSENPATENTSCOM; STEVEN A

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE 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 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: ADAPTIVE INFORMATION PRESENTATION APPARATUS AND METHODS

Abstract: Source: US2010217657A An adaptive information presentation apparatus and associated methods. In one embodiment, the apparatus comprises a computer readable medium having at least one computer program disposed thereon, the at least one program being configured to adaptively present (e.g., display or play out via an audio system) information that is related or in response to inputs provided via an input device such as a for example touch-screen display device. In one variant, the at least one program analyzes user input to determine a context of the input, and selects advertising related to the context for presentation to the user.

Classifications:

International (ipc 8-9): B66B1/20 B66B1/24 B66B1/34 B66B3/00 G01C21/00 G01C21/20 G01C21/36 G05B15/02 G05D23/19 G06F15/16 G06F17/27 G06F17/30 G06F21/24 G06F21/44 G06F3/01 G06F3/02 G06F3/041 G06F3/044 G06F3/048 G06F3/0481 G06F3/0482 G06F3/0484 G06F3/0488 G06F3/14 G06F3/16 G06Q10/00 G06Q20/00 G06Q30/00 G06Q30/02 G06Q40/00 G06Q50/00 G06Q90/00 G06T1/20 G10L11/00 G10L13/00 G10L13/02 G10L13/027 G10L15/00 G10L15/02 G10L15/08 G10L15/22 G10L15/26 G10L17/22 G10L21/00 G10L21/10 G10L25/48 H04L12/24 H04L12/40 H04L29/06 H04L29/08 H04N7/18 H04W12/06 H04W8/08 (Advanced/Invention); G06F3/041 (Advanced/Non-invention); B66B1/34 B66B3/00 G01C21/34 G06F15/16 G06F17/30 G06F3/041 G06Q10/00 G06Q30/00 G06Q40/00 G06Q50/00 G10L13/00 G10L15/00 G10L21/00 (Core/Invention); G06F3/041 (Core/Non-invention)

International (ipc 1-7): G10L15/22

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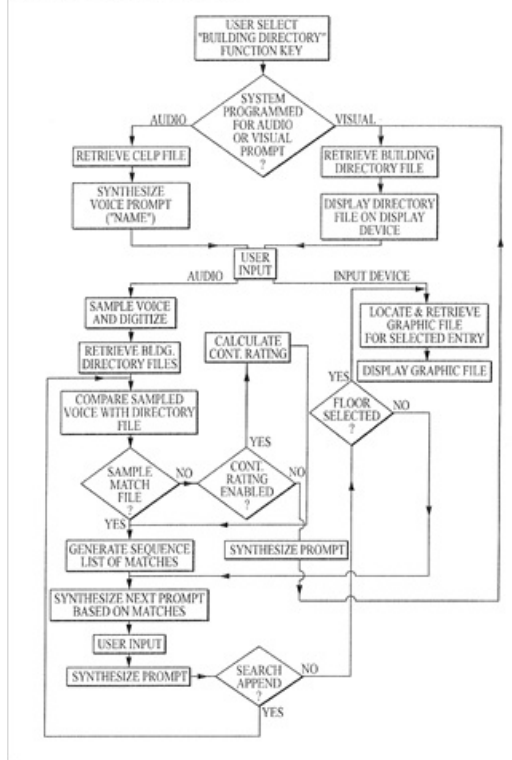
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US: 1/1 187/384 187/391 187/396 340/5.2 340/52 342/357.22 345/156 345/168 345/168P 345/173 345/173S 348/159 369/24.01 369/30.01 700/276 700/277 701/209 701/209S 701/500 701/533 701/533S 701/537 701/539 704/231 704/246 704/251 704/254 704/258 704/258S 704/270 704/270.1 704/270.100S 704/273 704/275 704/275P 704/275S 704/276 704/7 704/E11.001 704/E11.001S 704/E13.002 704/E13.002S 704/E15.001 704/E15.001S 704/E15.045 704/E21.001 704/E21.001S 705/14.43 705/14.49 705/14.490P 705/14.490S 705/14.5 705/14.500P 705/14.52 705/14.520P 705/14.520S 705/14.54 705/14.540S 705/14.57 705/14.570P 705/14.58 705/14.580P 705/14.580S 705/14.61 705/14.610S 705/14.62 705/14.620S 705/14.63 705/14.630S 707/769 707/769S 707/999.003 707/E17.014 707/E17.014S 709/203 709/217 709/217S 709/219 709/219S 715/719 715/728 715/739 726/28 726/28P

Family:

Publication number	Publication date	Application number	Application date
US2010217657 AA	20100826	US20100711857	20100224
US2010217669 AA	20100826	US20100711692	20100224
US2012185331 AA	20120719	US20120364194	20120201
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US2017032785 AA	20170202	US20160230466	20160807
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PatBase - US2010217657_AA



US2017109132 AA	20170420	US20160392230	20161228
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Priority:

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Probable Assignee: WEST VIEW RESEARCH LLC

Assignee(s): (std): GAZDZINSKI ROBERT F ; WEST VIEW RES LLC

Assignee(s): WEST VIEW RESEARCH LLC ; TRUCKMOVERS.COM INC ; DBD CREDIT FUNDING LLC

Inventor(s): (std): GAZDZINSKI ROBERT F ; GAZDZINSKI ROBERT

Agent(s): GAZDZINSKI AND ASSOCIATES PC; GAZDZINSKI AND ASSOCIATES; GAZDZINSKI ASSOCIATES PC;
LAW OFFICE OF JOSEPH SARNOWSKI

Title: METHOD FOR USING APPLICATIONS IN A MOBILE STATION, A MOBILE STATION, AND A SYSTEM FOR EFFECTING PAYMENTS

Abstract: Source: US2002102963A The invention relates to a method for using an application (18) in a mobile station (1). The application has a first mode of operation and a second mode of operation, whereby the first mode of operation is passive, and in the second mode of operation the application **controls** the master **control** unit (MCU) of the mobile station. The invention also relates to a system for making payments, comprising at least one mobile station (1), which has an application (18), means for using the application (18), and the first means of data transfer (IR, 20, RF) for local data transfer. The system also comprises at least one cash register (21) or the like, which has the second means for data transfer (IR2), and the application (18) comprises means for transferring data between the first means for data transfer (IR) and the second means for data transfer (IR2).

Classifications:

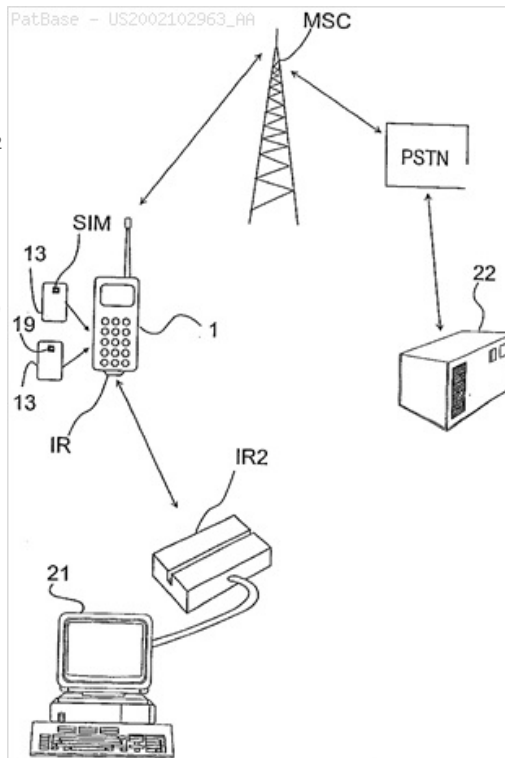
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European: B67D7/14B G06Q10/02 G06Q20/04 G06Q20/06 G06Q20/12 G06Q20/20 G06Q20/26 G06Q20/32 G06Q20/322 G06Q20/3223 G06Q20/3226 G06Q20/3227 G06Q20/3229 G06Q20/3255 G06Q20/327 G06Q20/3278 G06Q20/341 G06Q20/349 G06Q20/3552 G06Q20/3576 G06Q20/363 G06Q20/425 G06Q50/12 G07B15/02 G07F17/24 G07F7/08C G07F7/10D G07G1/12 H04M1/725F1 H04M1/725F2H H04M15/00 H04M15/68 H04M17/00 H04M17/02C H04W4/24 H04W88/02 S07C9/00E20B S07C9/00E22 T04M1/725F1 T04M1/725F1B1 T04M15/00 T04M215/01V T04M215/20D T04M215/32 T04M250/02 T04M250/14 T04W88/02

US: 235/380 340/10.51 340/5.61 340/5.92 340/572.1 342/31 455/403 455/405 455/406 455/407 455/408 455/41.2 455/414.1 455/426.1 455/550.1 455/552.1 455/556 455/556.1 455/557 455/558 455/575.1 455/90.3 705/15 705/16 705/5



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Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: NOKIA TECHNOLOGIES OY

Assignee(s): (std): HEINONEN PETRI ; MARTTILA MATTI ; MARTTILA MATTI J ; NOKIA CORP ; NOKIA MOBILE PHONES LTD ; TERHO MIKKO ; RAUTIO LA MARKKU ; PENNINGTON MICHAEL C ; ZALEWSKI THOMAS W ; SHAW STEVEN A ; ROBERTS RANDY C

Assignee(s): ESTEP RAYMOND J ; POND RUSSELL L ; ROBERTS RANDALL C ; NOKIA TECHNOLOGIES OY ; NOKIA MOBILE PHONES LIMITED

Inventor(s): (std): ESTEP RAYMOND J ; HEINONEN P ; HEINONEN PETRI ; HENOREIN P ; HENOREN P ; MARTILA M ; MARTTILA M ; MARTTILA MATTI ; MARTTILA MATTI J ; MATILA M ; PENNINGTON MICHAEL C ; POND RUSSELL L ; RAUTIO LA MARKKU ; ROBERTS RANDALL C ; ROBERTS RANDY C ; TERBO M ; TERHO M ; TERHO MIKKO ; TERHOE M ; SHAW STEVEN A ; TOERHAO M ; ZALEWSKI THOMAS W

Inventor(s): ZALEWSKI THOMAS ; STEVEN A SHAW ; THOMAS W ZALEWSKI ; SHAW STEVEN ; ROBERTS RANDALL ; RANDY C ROBERTS ; PETRI HEINONEN ; MATTI MARTTILA ; MICHAEL C PENNINGTON ; MIKKO TERHO ; P HEINONEN ; P HENOREIN ; P HENOREN ; PENNINGTON MICHAEL ; M MARTILA ; M MARTTILA ; M MATILA ; M TERBO ; M TERHO ; M TERHOE ; M TOERHAO ; MARKKU RAUTIO LA

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; READ MATTHEW CHARLES; JOHANSSON FOLKE ANDERS; TSURUTA JUNICHI; NISHIYAMA MASAYA; HIGUCHI SOTOJI; ISHIDA TAKASHI; AOKI ATSUSHI; STEVEN A SHAW NOKIA INC; PERMAN AND GREEN; PERMAN AND GREEN LLP; STEVEN A; ALSTON AND BIRD LLP; DITTHAVONG MORI AND STEINER PC; BANNER AND WITCOFF LTD

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 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: **VEHICLE** SAFETY SYSTEM

Abstract: Source: US2010087137A The **vehicle** safety system selectively deactivates a driver's cellular telephone when the driver is ready to drive his or her **vehicle**. The **vehicle** safety system first determines the proximity between the cellular telephone and the driver's seat of the **vehicle**. An identification **tag** is mounted on or in the vicinity of the driver's seat. The identification **tag** is sensed by a sensor to determine proximity. A gear state of the **vehicle** is then determined and transmitted to a call authorization module associated with the cellular telephone. The sensor for sensing the identification **tag** is also associated with the call authorization module. The call authorization module selectively deactivates the cellular telephone when the cellular telephone is located within a pre-set range from the driver's seat of the **vehicle** and the gear state of the **vehicle** is such that the **vehicle** may be driven under power.

Classifications:

International (IPC 8-9): B60K28/06 B60Q1/00 B60R21/00 B60R25/01 B60R25/10 G07C9/00 G08B21/02 G08G1/017 G08G1/0969 H04B7/00 H04K3/00 H04M1/00 H04M1/60 H04M1/66 H04M1/67 H04M1/72 H04M1/725 H04M11/00 H04M3/42 H04W4/00 H04W4/02 H04W4/06 H04W48/04 H04W48/16 H04W84/10 H04W88/02 (Advanced/Invention); G06F17/00 (Advanced/Non-invention); B60K28/00 B60R21/00 G08G1/0969 H04B7/00 H04K3/00 (Core/Invention); G06F17/00 (Core/Non-invention)

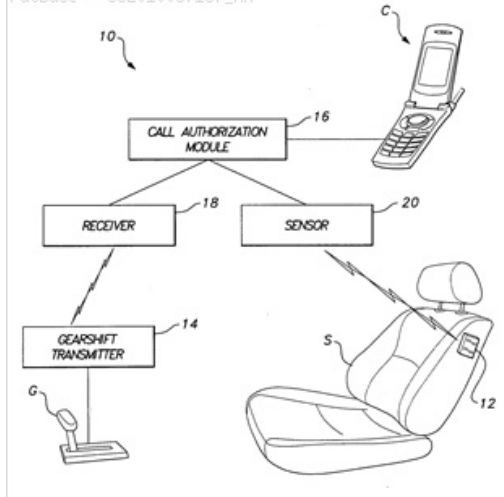
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PatBase - US2010087137_AA



Family:

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US2012220213 AA	20120830	US20120469965	20120511
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Priority:

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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 RO RS RU 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 FOR TRACKING SUSPICIOUS VEHICULAR ACTIVITY

Abstract: Source: US2005270178A A system for monitoring and tracking **vehicles** in **parking** locations, public roadways and highway entrances and exits and other public **vehicle** access areas is provided, such as to monitor and track **vehicles** in **parking** spaces, public roadways and highways without the need for **parking** or traffic personnel. The system includes a meter system that generates image data of a **vehicle** in a **parking** space, public roadway and highway entrances and exits such as by creating an array of pixel data in a predetermined field of view that includes a **vehicle** identification **tag** and facial imaging. An enforcement and tracking system receives the image data and generates a **vehicle** license number, **vehicle tag** identification number and facial image from the image data, such as by analyzing the image data to identify the **vehicle** license number, **vehicle tag** identification number and facial image based on the expected location of the license **tag**, identification **tag** and field of view image data characteristics of the license **tag**, facial image or other suitable data. From the image data acquired, monitoring of **parking** spaces is performed and violation citations or notices are generated for errant **vehicles** in **parking** locations as well as notification to law enforcement and homeland security agencies of **vehicles** and facial images identified as being on a watch list.

Classifications:

International (IPC 8-9): B60Q1/48 G05B19/00 G06K9/00 G06Q10/00 G06Q30/00 G06Q40/00 G06Q50/30 G06Q99/00 G06T7/20 G07B15/00 G07B15/02 G08B29/00 G08G1/123 G08G1/14 H04N7/18 (Advanced/Invention); G08B29/00 (Advanced/Non-invention)

International (IPC 1-7): B60Q1/48

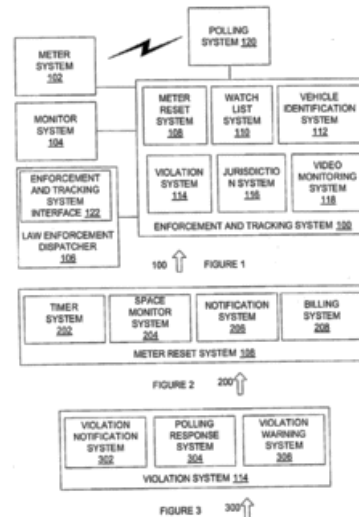
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European: G06Q20/40 G07B15/00 G08G1/20C

US: 235/384 340/425.5 340/5.83 340/928 340/932.2 340/932.200P 348/149 348/149P 348/E7.085 348/E70.85S 382/104 382/105 382/118 705/1.1 705/1.100S 705/13 705/13S 705/44 705/44P

PatBase - US2005270178_AA

Patent Application Publication Dec. 8, 2005 Sheet 1 of 6 US 2005/0270178 A1

**Family:**

Publication number	Publication date	Application number	Application date
US2005270178 AA	20051208	US20050156380	20050616
US2008231470 AA	20080925	US20080131443	20080602
US2010332394 AA	20101230	US20100875923	20100903
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Priority:

US20030319939P 20030212	US20030419414 20030421	US20050156380 20050616
US20080131443 20080602	US20100875923 20100903	US20110327626 20111215
US20120679854 20121116		

Probable Assignee: AVIGILON PATENT HOLDING 1 CORP

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Inventor(s): (std): IOLI EDWARD D

Inventor(s): IOLI TRUST EDWARD D ; IOLI EDWARD

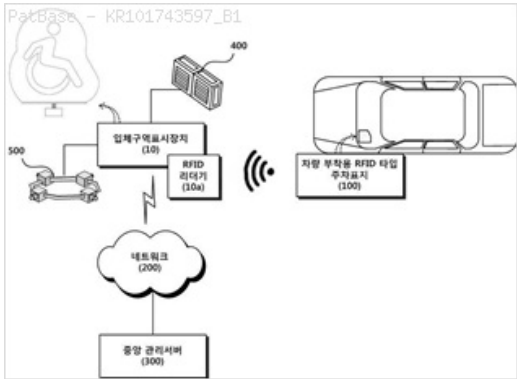
Agent(s): MR CHRISTOPHER JOHN ROURK GODWIN GRUBER LLP; MR CHRISTOPHER JOHN ROURK JACKSON WALKER LLP; JACKSON WALKER LLP; CHRISTOPHER J

Title: MANAGEMENT AND ENFORCEMENT SYSTEM OF **PARKING** SPACE FOR THE DISABLED USING STEREOSCOPIC DISPLAY DEVICE, AND METHOD THEREOF

Abstract: Source: KR101743597B The present invention handicapped **parking** zone display devices using a three-dimensional zone **control** and regulation system, **control** and enforcement of the handicapped **parking** zone based on them, and it relates to a method. The present invention provides a three-dimensional zone display device attached **RFID** (radio frequency identification) (**RFID** readers, **vehicle parking** signs, network, **RFID** type for the managed server, the speaker device, and a display device including a three-dimensional zone CCTV handicapped **parking** zone **control** and regulation system using the same according to the type of the **vehicle**-mounted **RFID** label is attached to the disabled **vehicle parking**, comprising an **RFID tag** and disabled, the impaired table which is printed a display portion, wherein the **RFID tag** is issued from the central management server, and stores the disabled code information to the central management server, each **vehicle**-mounted **RFID** type handicapped **parking** the **vehicle** owner of the personal information received from the label, and stores personal information of the disabled **vehicle** handicapped code information provided by owners and issued to the disabled **vehicle** owners, the disabled **vehicle** owner's information issued disabled code information by matching the license plate number of the **vehicle**, the **vehicle**-mounted **RFID** type store, each managing the information about the **parking** signs, the speaker unit and the CCTV, the **parking** zone and the disabled **Parking** unattended in the three-dimensional region including the region formed separately from the display device, the three-dimensional region or integrally formed inside the display device, the above-described speaker apparatus, the three-dimensional zone handicapped **parking** zone according to the request of the display device, such as a warning message announcements violation is used for the purpose to output the CCTV, the zone handicapped **parking** zone according to the **control** of the display device according to the taken images to provide the three-dimensional region of the display device cell type of **parking** zone **parking** zone of generally rectangular designed for people with disabilities, as formed in the **entry** region of the handicapped **parking** area, indicating that the driver is handicapped **parking** zone to zone, as a display device, such as a fastener, support pivoting-type elastic spring, elastic hinge, sensor unit three-dimensional signs, **RFID** reader, **RFID** reader, the **control** unit, the drive unit, a storage unit, a transmitting and receiving unit and the I/O interface is made, the rotation-type fixture is made of a metallic material or synthetic resin material, by applying a coating material on the bottom of the frame shape is embedded in the compartment of the handicapped **parking** area, and an upper surface of the rotary-type fixture has the elastic spring is fitted to be welded to the lower portion, wherein the resilient spring coupling hole to form a top of the rotation-type fastener, the upper end is fixed to the lower end on the ground, Being disposed to protrude, the support is made of a metal material or synthetic resin material to additional components as a long bar shape is formed or fusion welded to the top of the resilient spring is fastened and fixed on the upper surface of the support, so that the three-dimensional signs fitting, to form a groove inserted into the insertion groove is fixed is screw fastened to the three-dimensional signs, the support of the elastic hinge is provided at the lower portion of the elastic hinge is fixed to the solid signs, signs the elastic hinge is returned to the original three-dimensional rotation relative to ensure that the resilient spring and a pivoting by the resiliency of the resilient hinge is vertically, the three-dimensional signs is damaged even when the resilient spring, so that the lower portion of the support to the three-dimensional fixed to the front portion and the rear portion of the display is disabled, it is printed as an identifiable symbol (disabled the display unit, the three-dimensional printing on the front and back surface of the signs, is made of a synthetic resin material having elasticity around the room musk in central fold line is formed with a plurality of three-dimensional display panel, wherein when the **vehicle** moves by the folded by a fold line to prevent the three-dimensional panel is broken, the three-dimensional panel is elastic, Is formed of a synthetic resin material having after the folded state of the horizontal plane is returned by the elasticity, the elastic pad is attached to the central portion of the sign, and the elastic pad is connected as the support is connected to the three-dimensional signs, which is moved, is inwardly bent engaging, by the elasticity of the elastic pad may return to the state of the plane of the three-dimensional signs, the elastic pad is bonded to the central portion of the three-dimensional panel or fusing fixed, is formed in a radial fold lines formed so as to cover the end of the circular signs to return the bent also serves as the three-dimensional the three-dimensional first sign and should not be bent by its own weight to the upright on the drawing, carries out a role that the stem is made of a metal or synthetic resin material, and connecting the elastic pad and the support are fixed to welding or welding, wherein the stem is bonded to the three-dimensional signs can be fixed, the elastic hinge hinge spring-loaded blade is 108 degrees, the first amount and is installed in the expanded state, the spring is compressed while rotating sign is pulled by the elasticity or To return to the rotated, and three-dimensional signs the signs on the sensor portion toward the direction of the **entry** of the **vehicle** angle measuring sensor or a gyro sensor in the default (default) state, lying on the vertical axis and parallel to rotate relative to the direction perpendicular to the axis of the three-dimensional signs the angle information, and transmits the measured angle information to the **control** unit, wherein the **RFID** reader is formed on the three-dimensional zone display device attached to the disabled **vehicle** equipped with a **vehicle**-mounted **RFID** type **parking** label information of the **tags** stored in the **RFID** tags to the disabled **vehicle**-mounted **RFID** code type for receiving information, and performs data transmission and reception in a **wireless** manner has a **parking** signs, or **vehicle**-mounted **RFID** type including a **parking** labeling system information collected from backend system over the network to the central management server, and transmits the drive unit with respect to the three-dimensional signs for the **entry** of the **vehicle** relative to the vertical axis toward the traveling direction of the **vehicle** and the **vehicle** is rotated by a predetermined angle in the handicapped **parking** area is formed in order to be able to enter the Display device for a three-dimensional zone is placed on top of the support in order to **control** the angle of the three-dimensional signs formed in a rotor **control** the rotation of the support, the elastic hinge of the formed flush with the upper surface of the three-dimensional road sign in contact with the lower surface of the support and the attached hydraulic or pneumatic piston between, is formed into a shape, the angle between the support and the three-dimensional, is formed to **control** the signs, and the storage unit is stored in the database of the central management server receiving the stored code information DB for the disabled in accordance with the **control** of the **control** unit, the output to the speaker unit via the I/O interface is handicapped **parking** zone, previously stored violation warning message to the transmitting and receiving unit and the central management server through the network and a **wired** or **wireless** manner, the I/O interface and performs data transmission and reception apparatus and the speaker and the CCTV formed in order to perform signal and data transmission and reception, the **control** unit may **control** means and an automatic type The **control** means, and the passive **control** means by the sensor unit for detecting the rotation of the three-dimensional signs, to this end, the sensor unit, the default (default) state, parallel to the longitudinal axis of the **vehicle** with respect to the three-dimensional, according to the **entry** signs rotate relative to the vertical axis, and the angle information, the rotation angle greater than a predetermined angle, and generating a detection signal when the detection, in accordance with the meeting and go to the disabled **vehicle parking** area, it is determined that, by **controlling** the **RFID** reader, the **RFID** of the **RFID tag** attached to the **vehicle** type in the **wireless** communication system from the cover handicapped **parking** code information received, and impaired, query to query the code information according to the method, in the disabled code information DB stored in the storage unit the information that matches the information received disabled code, or query whether the central management server through the network access to the central management server by **controlling** the transmission disabled code information DB stored in the database, query information query code received from the disabled in accordance with the inquiry The information that is matched to the code information received disabled through an extraction whether or not the disabled **vehicle**-mounted **RFID** type code information of the authentication through the **parking** signs, and determines whether or not the disabled **vehicle** handicapped passing the code information of the authentication device is installed by a legitimate handicapped **parking** zone in a three-dimensional zone display is determined by the **parking** of handicapped **parking** zone display devices using a three-dimensional zone **control** and enforcement method and end the **process**, on the contrary, if the determination result does not pass the authentication failure due to the disabled **vehicle** handicapped **parking** zone, that is, the **parking** the **vehicle** in general as judged by the I/O interface is handicapped **parking** zone through the speaker device **controls** to output a violation warning message, the automated **control** means, by **controlling** the **RFID** reader is attached to the **vehicle** through the **wireless** communication of the **RFID tag** of the **RFID** type **parking** cover access to within a preset distance to the recognized, but the license plate of the **vehicle** attached to the **vehicle** access within a predetermined distance attached to the handicapped **parking** signs from the **RFID tag** of the **RFID** type receives the information code The authentication code received by querying the information of the disabled passive **control** means, performed in the same manner as received in accordance with the query code information and the matching information of the disabled through an extraction whether or not the disabled **vehicle**-mounted **RFID** type code information of the authentication through the **parking** signs determines the determination result of the authentication passes, the support

substrate or the resilient hinge for the rotation **control** by sending a **control** command to the drive unit, the vertical axis and the default (default) state, sign with respect to the stereoscopic lies parallel to the vertical axis on the basis of for the **entry** of the **vehicle** is rotated by an angle set in advance to give access into the disabled **vehicle parking** area and, conversely, if the determination result does not pass the authentication failure due to the disabled **vehicle parked** in the handicapped **parking** area according to general **vehicle** as judged by the speaker apparatus via the I/O interface handicapped **parking** zone violation warning message to, and **controls** the output of the pre-set standby time during the rotation of the sensor unit Through the detection signal determines whether or not the sign for the rotation of the three-dimensional sensor or a gyro sensor angular measurements from the sensor section, the default (default) state of the three-dimensional signs lying parallel to the longitudinal axis of the **vehicle** with respect to the three-dimensional signs rotate relative to vertical axis in accordance with the **entry** angle is greater than the pre-set information if the rotation angle, the rotation angle, rotation for generating a detection signal which does not generate the **entry** of handicapped **parking** zone, it is determined that there is no rotation, on the contrary, if the determination result to generate a detection signal, and to output a warning message despite the **entry** of handicapped **parking** zone, it is determined that this by **controlling** the transmission to the central management server through the network handicapped **parking** zone photographed by the CCTV **vehicle** and the **vehicle** number of the violation condition with general fine image characterized in that it transmits a notification to the target. Thereby, the cover of a conventional **vehicle**-mounted impaired modulation in the counterfeit or illegal use labeled distinction for illegal handicapped rooms for the handicapped **parking** area is made efficient It provides an effect to make. In addition, the present invention **parked** in a handicapped **parking** zone through a fault on the general **parking** zone, announcements, and deriving the fine even if this subject to induced by being carried out automatically is handicapped **parking** zone notification is this effective enforcement personnel to manage and provides an effect that can be minimized. Furthermore, the present invention is partitioned on the floor of the **car park** handicapped **parking** zone, the three-dimensional three-dimensional handicapped **parking** zone of installing the signs to the driver, the misidentification due by recognizing that resulted in inconvenience to the disabled **vehicle parking** as well as fine issued in the, problem does not occur when the **vehicle** is **parked** in the disabled and rotated by pressing the elastic vertically by a **parked vehicle** is configured such that when moving the turning device is required, and the configuration is simple and to facilitate the installation is installed, there is an effect that cost reduction.

Classifications:
International (IPC 8-9): G06K19/07 G06K7/10 G08G1/017
G08G1/14 (Advanced/Invention)
CPC: G08G1/14 G06K19/0723 G06K7/10009 G08G1/017



Family:

Publication number	Publication date	Application number	Application date
KR101743597 B1	20170605	KR20160081870	20160629

Priority:

KR20160081870 20160629

Probable Assignee: BAKGILHO

Assignee(s): BAKGILHO ; CO LTD SEOUL FULL TIME ; X SOLAR CO LTD ; SPECIES LINE

Title: SYSTEM AND METHOD FOR INTELLIGENT **VEHICLE** MANAGEMENT

Abstract: Source: IN02374DE2015A A system for registering, tracking and monitoring the **parking** status of **vehicles**, the system comprising: a plurality of **wireless** identification **tags**, each **tag** having a unique **tag** identifier, wherein each of the **tags** is associated with a selected **vehicle** and a user; a first scanner to be used by an **entry control** apparatus, the first scanner having a **processor** executing instructions thereon, the first scanner capable of reading a **wireless** identification **tag** of a selected **vehicle** located in relatively close proximity over a **wireless** link and communicating over a **wireless** wide area network to transmit information about **vehicle** and the user; a second scanner to be used by an exit **control** apparatus, the second scanner having a **processor** executing instructions thereon, the second scanner capable of reading a **wireless** identification **tag** of a selected **vehicle** located in relatively close proximity over a **wireless** link and communicating over a **wireless** wide area network to transmit information about **vehicle** and the user; a host system having a remote database with fields for each of the selected **vehicles** including the **tag** identifier, **vehicle** information and **vehicle** owner, wherein the host system communicates with the first scanner and the second scanner over the **wireless** wide area network to validate user related information; the **entry control** apparatus communicating with the host system to determine whether the **tag** identifier corresponds to an active code associated with one of the subscribers, and upon the read identifier corresponding to an active code associated with one of the registered, **controlling** a barrier to permit a **vehicle** to enter the **car park**; the exit **control** apparatus communicating with the host system to determine whether the read **tag** identifier corresponds to an active code, and upon the read **tag** identifier corresponding to an active code, **controlling** a barrier to permit a **vehicle** to exit the **car park**; characterized in that, the host system is configured to respond to the read code associated with the user by making it inactive and generating and providing a new code to the user.

Classifications:

International (IPC 8-9): H02J (Advanced/Invention)

Family:

Publication number	Publication date	Application number	Application date
IN02374DE2015 A	20170210	IN2015DE02374	20150803

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IN2015DE02374 20150803

Probable Assignee: VISHAL SHARMA

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Inventor(s): VISHAL SHARMA