

Search history

Search PN=(WO/2016/191223) (Results 1)

1:

Search [SP]: intelligent surfacing of reminders calendar and scheduling applications organize and display user events and provide event reminders.
2: a method of triggering a reminder includes accessing a reminder which describes an event. an individual associated with the event, other than the user, is identified. a future time is predicted when the user will be within proximity of the individual. a time to trigger the reminder for presentation to the user is determined, such that the time to trigger the reminder occurs in advance of the predicted future time when the user will be within proximity of the individual. based on a determination that the time for triggering the reminder has occurred, the reminder is triggered to be presented to the user. (Results 36)

Search PN=(WO/2016/168948) (Results 1)

3:

Search [SP]: system for reserving parking space in real time and process for reserving parking spaces in real time using said system the present
4: invention is related to a systems and methods for reserving parking space in real time. the system for reserving parking space in real time comprises a communication means for communication with a central server a reservation means for requesting a reservation to said central server an electronic database containing information about parking spaces, which is read and updated by said central server a positioning means for determining the position of a vehicle, for which the parking space is reserved and communicating said position to the central server and the central server being configured to: communicate with said communication means, receive reservation requests from said reservation means, process said reservation requests and reserve a parking space, communicate with said positioning means classify the parking space according to a feature defined by the interested party and reallocate a parking space from a reservation already generated according to said defined feature. (Results 64)

Search 4 and server (Results 60)

5:

Title: Method and apparatus for presenting and managing information in an automated parking structure

Abstract: A method and system for monitoring and controlling an automated parking system using a graphical user interface is described. The described method includes the step of displaying a graphical representation of a floor of an automated parking garage. The method also includes the step of displaying a number of objects in relation to the floor. The method further includes the step of displaying a plurality of control objects. A system for implementing the steps of the method is also described.

Classifications:

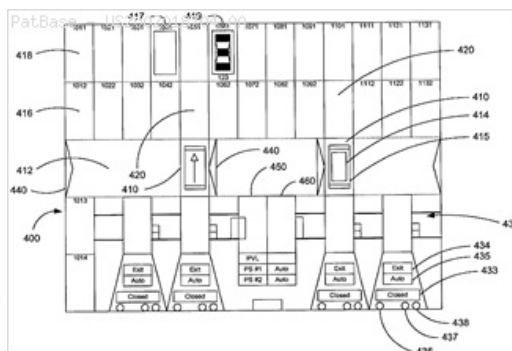
International (ipc 8-9): B65G1/00 B65G65/00 B66C23/00 E04H5/00 E04H6/00 E04H6/08 E04H6/18 E04H6/42 G06F15/00 G06F7/00 G08G1/14 (Advanced/Invention);
B65G1/00 B65G65/00 E04H5/00 E04H6/00 G06F15/00 G06F7/00 G08G1/14 (Core/Invention);
E04H G06F (Subclass/Invention);
G06F (Subclass/Non-invention)

International (ipc 1-7): B65G1/00 B65G1/04 B65G65/00 B66C23/00 E04H6/00 E04H6/06 E04H6/42 G06F0/0 G06F0/00 G06F7/00 G08G1/14

CPC: E04H6/22 E04H6/245 B65G1/0485 G08G1/146 E04H6/422

European: B65G1/04N E04H6/22 E04H6/24A E04H6/42A G08G1/14

US: 340/932.2 345/700 345/810 414/227 414/227P 414/231 414/232 414/234 414/234S 414/255 414/255S 414/264 414/277 414/277P 414/529 414/529P 414/790.2 414/790.200S 414/800 700/213 700/217 715/700 715/810



Family:

Publication number	Publication date	Application number	Application date
AR066789 AA	20090909	AR2008P102293	20080530
AU2002244321 AA	20021003	AU20020244321	20020320
AU2003268560 AA	20040408	AU20030268560	20030909
AU2003268560 AH	20040408	AU20030268560	20030909
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IN05561DN2007 A	20070817	IN2007DN05561	20070718
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WO04027550 A2	20040401	WO2003US28171	20030909
WO04027550 A3	20040819	WO2003US28171	20030909

WO06086348 A2	20060817	WO2006US04196	20060207
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WO08024679 A3	20081030	WO2007US76197	20070817
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ZA200503167 A	20060830	ZA20050003167	20050419
ZA200706137 A	20080430	ZA20070006137	20070724

Priority:

US19990364934	19990730	US20010790460	20010222	US20010812416	20010320
WO2002US08536	20020320	US20020133557	20020427	US20020252235	20020923
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WO2006US04196	20060207	US20060467423	20060825	US20070757032	20070601
WO2007US76197	20070817	WO2008US65052	20080529		

Probable Assignee: ROBOTIC TECHNOLOGY ADMINISTRATION LLC

Assignee(s): (std): HAAG GERHARD ; ROBOTIC PARKING INC ; ROBOTIC TECH ADMINISTRATION LLC ; ROBOTIC TECHNOLOGY ADMINISTRAT ; ROBOTIK TEKNOLODZHI ADMINISTRE ; ROBOTIC TECHNOLOGY ADMINISTRATION ; ROBOTIC TECHNOLOGY ADMINISTRATION LLC

Assignee(s): ROBOTIK TEKNOLODZHI ADMINISTREJSHN EHL EHL SI

Inventor(s): (std): HAAG GERHARD ; KHAAG DZHERARD ; GERHARD HAAG

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; GOWLING LAFLEUR HENDERSON LLP; SARGENT; KRAMER BARSKE SCHMIDTCHEN; TUCKER ELLIS AND WEST LLP; MIZER SUSAN L

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 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: SYSTEM AND METHOD FOR AUTOMATING A VEHICLE RENTAL PROCESS

Abstract: The present invention concerns an automated vehicle rental system for a fleet of rental vehicles, where the vehicles are geographically distributed and normally locked when not rented. At least one of the vehicles, when not in use, is parked in an unguarded location. The system has a vehicle communications unit for enabling communication to and from the vehicle, user-carried electronic devices, or other readers, and for interfacing with the user. An on-board unit (OBU) is located on each of the vehicles for interfacing with the vehicle communications unit, and with a door unlocking mechanism. The system further has a central reservations, management and location system (CRMLS) in communication through a communications network with each OBU, the CRMLS performing all reservations and management functions, and being linked to a database containing a location and availability of each of the vehicles and a rate for rental, the CRMLS also being provided with an allocation manager system for geographically allocating vehicles. In order to access the vehicle, the system also includes a key being borne by the user. The system minimizes the human intervention in the rental process, and is more user-friendly.

Classifications:

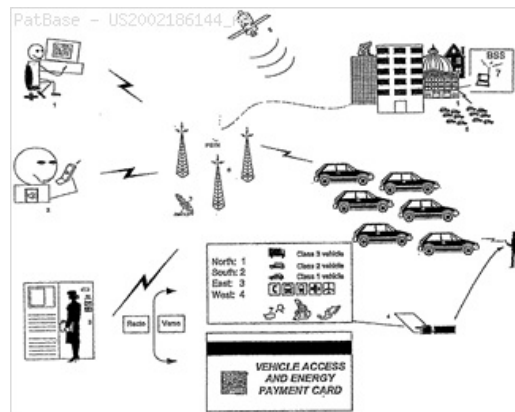
International (IPC 8-9): G06F17/30 G06K19/07 G06Q30/00
G07B15/00 G07F17/00 G07F7/00 G08G1/14 H04L12/16
H04Q7/20 (Advanced/Invention);
G07C9/00 (Advanced/Non-invention)

International (IPC 1-7): G06F17/30 G06F17/60 G06K19/07
G07B15/00 G07F7/00 H04L12/16 H04Q1/00 H04Q7/20

CPC: G07B15/00 G07C9/00309 G07C9/00563 G07F17/0042

European: G07B15/00 G07F17/00D G07F7/00D S07C9/00E4
S07C9/00E6

US: 340/4.6 340/4.600P 340/5.2 340/5.200S 340/825.28 340/901
340/901S

**Family:**

Publication number	Publication date	Application number	Application date
CA2345857 AA	20021101	CA20012345857	20010501
CA2445580 AA	20031027	CA20022445580	20020501
EP1384209 A1	20040128	EP20020727085	20020501
US2002186144 AA	20021212	US20020137878	20020501
WO02089077 A1	20021107	WO2002CA00648	20020501

Priority:

CA20012345857 20010501 CA20022445580 20020501 WO2002CA00648 20020501

Probable Assignee: ZOOP MOBILITY NETWORK INC

Assignee(s): (std): MEUNIER ERIC ; ZOOP MOBILITY NETWORK INC

Inventor(s): (std): MEUNIER ERIC

Agent(s): ROBIC

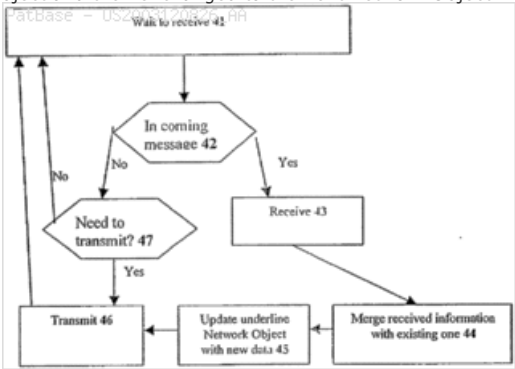
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LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD
SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

Title: SYSTEM AND METHOD FOR BUILDING A COMMUNICATION PLATFORM FOR THE TELEMATICS DOMAIN USING A DISTRIBUTION OF NETWORK OBJECTS

Abstract: According to the present invention there is provided a system for enabling Wireless Wide Area Network (W2AN) communication capable of aggregating and disseminating information for the Telematics domain, without the need of additional external network infrastructure, such as communication towers and central switch. The invention offers a new method for Telematics W2AN (TW2AN), wherein each Network Object communicates only with Network Objects in its immediate surrounding using WLAN/PAN technologies (Bluetooth, 802.11 a/b, DSRC, DECT). The information reaches remote Network Objects by continues exchanges of information between close Network Objects using WLAN/PAN technology. The invention present includes an Aggregating Disseminating Communication Component (ADCC) that is added to each Network Object. The ADCC collects traffic related information and builds an internal traffic map of the area. The underlying Network Object can initiate transmission of information using the ADCC to TW2AN. The ADCC is capable of receiving information, if needed the received information is updated the underlying Network Object and then exchanged to the next Network Object.

Classifications:

International (ipc 8-9): G06F9/00 G06F9/46
G08G1/09 (Advanced/Invention);
G06F9/00 G06F9/46 G08G1/09 (Core/Invention)
International (ipc 1-7): G06F9/00 G06F9/46
CPC: G08G1/096716 G08G1/096758 G08G1/096791
European: G08G1/0967A1 G08G1/0967B3 G08G1/0967C3
US: 709/316 719/316



Family:

Publication number	Publication date	Application number	Application date
US2003120826 AA	20030626	US20010022518	20011220

Priority:

US20010022518 20011220

Probable Assignee:

SHAY AMIR

Assignee(s): (std):

SHAY AMIR

Inventor(s): (std):

SHAY AMIR

Title: METHODS AND APPARATUS DYNAMICALLY MANAGING PARKING

Abstract: A dynamic parking management system and method includes use of an intelligent software engine that, in some embodiments, interfaces with a wireless mesh network and multi-channel communication devices that, as a system, increases customer convenience which maximizes return on parking resources. The present invention uses a parking transceiver mesh network node located proximate to one or more parking spaces to provide accurate and current data to a database of available parking assets. Parking availability algorithms are used to analyze this data to select optimal parking spaces for subscribers/drivers and predict future availability of parking spaces. Additional functionality comes from the parking transceiver's ability to recognize specific vehicles and specific customers with predefined requirements.

Classifications:

International (IPC 8-9): B60Q1/48 G08G1/14 (Advanced/Invention);
B60Q1/26 G08G1/14 (Core/Invention)

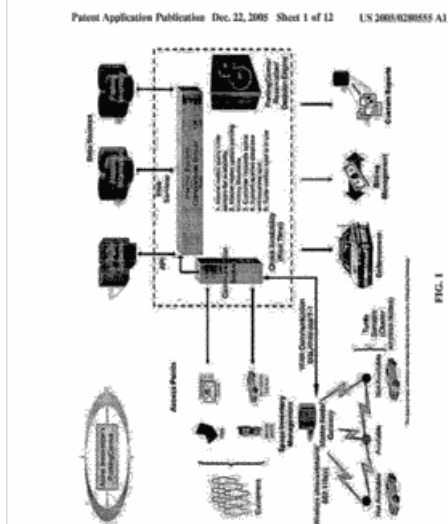
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CPC: G08G1/14

European: G08G1/14

US: 340/932.2 705/13

PatBase - US2005280555_AA

**Family:**

Publication number	Publication date	Application number	Application date
US2005280555 AA	20051222	US20050158991	20050622

Priority:

US20040582324P 20040622 US20040624278P 20041102 US20050158991 20050622

Probable Assignee: WARNER FREDERICK M IV

Assignee(s): (std): WARNER FREDERICK M IV

Inventor(s): (std): WARNER FREDERICK M IV

Inventor(s): WARNER FREDERICK MIV ; WARNER FREDERICK MALTBY

Agent(s): STEVEN M SANTISI IP DESIGN AND DEVELOPMENT GROUP LLC

Title: INFORMATION OF PROXIMATE PROPERTIES THROUGH GEOGRAPHIC POSITIONING

Abstract: Information of proximate properties through geographic positioning is disclosed. In one aspect, a method of a **server** module includes determining a route of a user to arrive at a set of properties that are indicated of interest to the user based on a geographical location of the user communicated by way of a client module indicating a present location of the user; optimally adjusting the route of the user to drive by the set of properties computed through a mathematical algorithm having a parameter related to the geographical location of the user communicated via a client module indicating a present location of the user; and automatically identifying at least one other marketed property proximal to the geographical location of the user communicated via the client module to the **server** module indicating the present location of the user in addition to the set of marketed properties based on property databases.

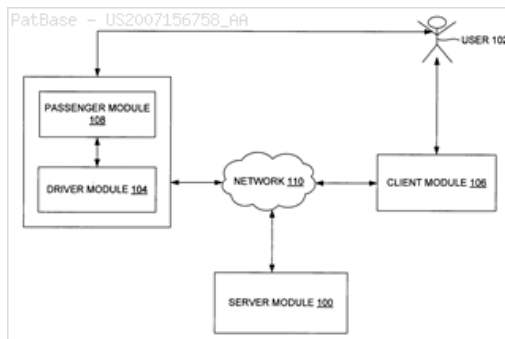
Classifications:

International (IPC 8-9): B25J9/00 B25J9/00 B64C19/00 G01C1/00 G01C21/32 G01C21/34 G01C21/36 G05D1/00 G05D1/02 G06F17/00 G06F17/30 G06F21/62 G06Q10/00 G06Q10/06 G06Q10/08 G06Q10/10 G06Q20/24 G06Q30/02 G06Q30/06 G06Q30/08 G06Q50/00 G06Q50/26 G06Q50/30 G06Q99/00 G08G1/00 G08G1/123 H04L12/18 H04L12/58 H04L29/06 H04L29/08 H04W24/00 H04W4/02 H04W4/22 H04W76/00 (Advanced/Invention); G06F21/31 G06Q10/00 G06Q50/00 G06Q99/00 H04B7/00 H04L29/08 H04W4/00 (Advanced/Non-invention)

CPC: G06Q10/047 G06Q50/16 G06Q30/0645 G06Q10/0832 G06Q10/0833 G06Q20/24 B64C19/00 G06F17/30386 G06F21/62 G06Q30/0205 G06Q10/00 G06F17/30861 G06Q50/26 G06F17/30598 G06Q30/08 G06Q30/0259 H04L65/403 H04L51/36 H04L51/20 H04L51/32 G06Q30/0277 G06Q30/0639 G06Q50/30 H04W4/08 H04W4/022 G06Q10/08 G06Q30/0623 G06Q30/0631 G06Q30/06 G06Q10/08355 H04L67/104 H04L67/12 G06Q30/0246 H04H20/59 G06Q99/00 H04L63/102 G01C1/00 H04L67/18 H04L51/04 H04W4/06 G06F21/31 G06Q50/01 H04L67/30 H04W4/021 H04L67/22 H04L67/306 B25J9/0003 B25J5/007 Y10S901/01 Y10S901/50 Y10S901/47 G05D1/102 G05D1/0274 G05D2201/0213 G01C21/32 G05D1/0022 G05D1/0676 G05D1/0088 G05D1/0011 G05D1/024 G05D2201/0211 G08G1/202 G01C21/3438 G01C21/343 G01C21/3697 G06Q10/087 G08G1/005 G08G1/205 G01C21/36 G01C21/362 G06Q50/28 G08G5/0069 G06Q30/0265 G06Q10/10 G06Q30/02 G06Q30/0261 G06Q30/0241 H04W4/21 H04W4/90 H04W76/50

European: G06Q10/047 G06Q10/04R G06Q50/16

US: 1/1 1/1P 455/432.3 455/456.1 455/456.2 455/456.3 455/518 455/519 700/245 701/117 701/2 701/23 701/25 701/3 701/409 705/14.45 705/14.57 705/14.58 705/26.3 705/26.9 705/28 705/307 705/319 705/325 705/332 705/342 705/343 705/344 705/39 705/7.11 705/7.34 707/104.1 707/736 707/737 707/999.107 707/999.107S 709/204 709/206 715/201 726/28 726/4 901/1 901/47 901/50

**Family:**

Publication number	Publication date	Application number	Application date
US2007156758 AA	20070705	US20060517756	20060908
US2014172727 AA	20140619	US20140183549	20140219
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Priority:

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Probable Assignee: ABHYANKER RAJ

Assignee(s): (std): ABHYANKER RAJ ; ABHYANKER RAJ V ; BERTRAND BLAISE ; COLIN YOUENN ; FATDOOR INC ; OIA INTELLECTUALS INC ; LOPEZ MORALES MANUEL R ; PATEL AAMIR ; PATRON ANTHONY ; LEGALFORCE INC ; PHO VINH ; MYER WARREN H

Assignee(s): IP ANALYTICS LLC ; NEXTDOORCOM INC ; OIA INTELLECTS

Inventor(s): (std): ADIGA SADASHIV ; PHO VINH ; PATRON ANTHONY ; MYER WARREN H ; COLIN YOUENN ; BERTRAND BLAISE ; ABHYANKER RAJ V ; ABHYANKER RAJ ; PATEL AAMIR ; LOPEZ MORALES MANUEL R

Agent(s): RAJ ABHYANKER LLP, C/O INTELLEVATE; RAJ ABHYANKER LLP C O INTELLEVATE; RAJ; RAJ ABHYANKER PC

Title: METHOD OF OPERATING A NAVIGATION SYSTEM TO PROVIDE PARKING AVAILABILITY INFORMATION

Abstract: A method of operating a navigation system includes obtaining a destination location and identifying a parking facility proximate said destination location. The method further includes providing historic parking availability information for the identified parking facility. The historic parking availability information is based on past parking availability at the identified parking facility. The method may also calculate a route from an origin to the parking facility and provide guidance for following the route. Additionally, the method obtains a reservation for parking at the parking facility.

Classifications:

International (IPC 8-9): G01C21/00 G01C21/34 G01C21/36
G06F19/00 G06Q10/00 G07B15/00 G08G1/0968

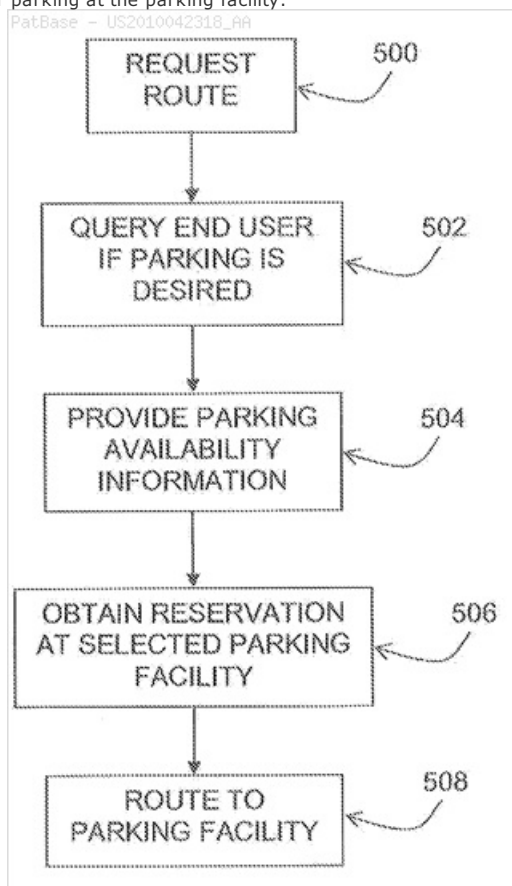
G08G1/14 (Advanced/Invention);

G01C21/34 G06F19/00 G08G1/0968 G08G1/14 (Core/Invention)

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European: G01C21/30 G06Q10/02 G06Q50/24 G08G1/0968A2
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US: 340/932.2 340/932.200S 701/200 701/201 701/202 701/204
701/426 701/426P 705/13 705/13S 705/3 705/5 705/5S



Family:

Publication number	Publication date	Application number	Application date
US2010042318 AA	20100218	US20090392451	20090225
US2010318290 AA	20101216	US20100861144	20100823
US7516010 BA	20090407	US20060342334	20060127
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Priority:

US20060342334 20060127 US20090392451 20090225 US20100861144 20100823

Probable Assignee: HERE GLOBAL BV

Assignee(s): (std): DEVRIES STEVEN ; HAYES JR HOWARD R ; KAPLAN LAWRENCE M ; LINDSAY MATTHEW G ; NAVTEQ NORTH AMERICA LLC

Assignee(s): NAVTEQ BV ; NAVTEG NORTH AMERICA LLC ; HERE GLOBAL BV

Inventor(s): (std): DEVRIES STEVEN ; HAYES JR HOWARD R ; KAPLAN LAWRENCE M ; LINDSAY MATTHEW G

Agent(s): NAVTEQ NORTH AMERICA LLC ; MUSABJI ADIL M ; KOZAK FRANK J ; SHUTTER JON D ; ADIL M ; JON D ; FRANK J

Title: MOBILE RECOMMENDATION AND RESERVATION SYSTEM

Abstract: Apparatus and methods are described for assisting a requester to identify and reserve a resource that meets the need of the requestor's request. For example, a request can be augmented using augmentation data, such as current position and requester preferences, and resources are located and ranked according to their match against the augmented request. A person who is the requester may engage in another attention demanding task, such as driving a car, while resources well matched to preferences are located. Preference data may be determined from social network data, a preference file, and/or other sources.

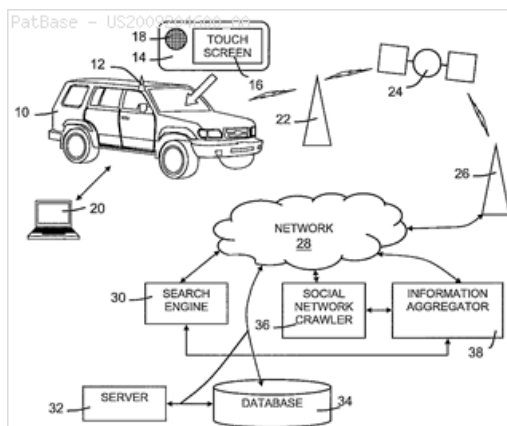
Classifications:

International (IPC 8-9): G06F17/30 G06Q99/00 (Advanced/Invention);
G06F17/30 (Core/Invention)

CPC: G01C21/30 G06F17/30979 G06Q10/02 G06Q30/02

European: G01C21/30 G06F17/30Z2P G06Q10/02 G06Q30/02

US: 1/1 1/1P 705/319 707/5 707/724 707/999.005 707/999.005S
707/E17.014 707/E17.014S

**Family:**

Publication number	Publication date	Application number	Application date
US2009204600 AA	20090813	US20080030340	20080213
US8306921 BB	20121106	US20080030340	20080213

Priority:

US20080030340 20080213

Probable Assignee: TOYOTA MOTOR CORP

Assignee(s): (std): KALIK STEVEN F ; KAWAMOTO MASAYUKI ; SEKIYAMA HIROAKI ; TAKEUCHI SHOJIRO ; TOYOTA ENG AND MFG NORTH AMERICA ; TOYOTA MOTOR CORP

Assignee(s): TOYOTA MOTOR ENGINEERING AND MFG NORTH AMERICA INC ; TOYOTA MOTOR ENGINEERING AND MFG

Inventor(s): (std): KALIK STEVEN F ; KAWAMOTO MASAYUKI ; SEKIYAMA HIROAKI ; TAKEUCHI SHOJIRO

Agent(s): GIFFORD KRASS SPRINKLE ANDERSON AND CITKOWSKI PC

Title: METHODS AND SYSTEMS FOR CONTENT PROCESSING

Abstract: Cell phones and other portable devices are equipped with a variety of technologies by which existing functionality can be improved, and new functionality can be provided. Some relate to visual search capabilities, and determining appropriate actions responsive to different image inputs. Others relate to processing of image data. Still others concern metadata generation, processing, and representation. Yet others relate to coping with fixed focus limitations of cell phone cameras, e.g., in reading digital watermark data. Still others concern user interface improvements. A great number of other features and arrangements are also detailed.

Classifications:

International (IPC 8-9): A63F13/00 A63F13/12 A63F13/26

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H04N5/225 (Core/Non-invention)

International (IPC 1-7): G06K9/00

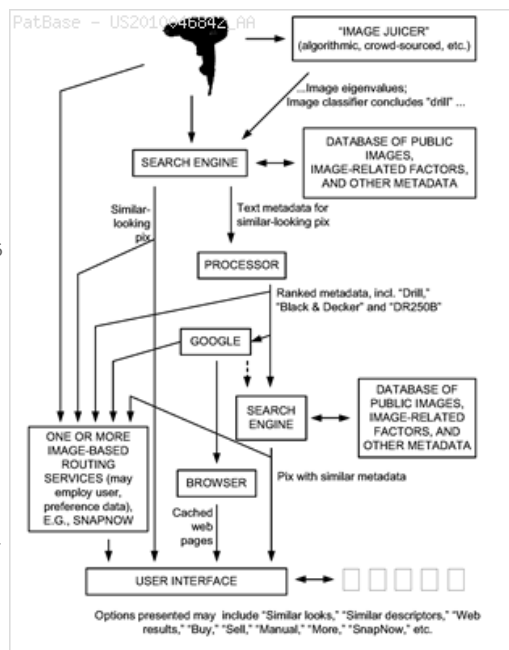
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Family:

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US20170687153	20170825				

Probable Assignee: DIGIMARC CORP

Assignee(s): (std): LORD JOHN D ; MACLNTOSH BRIAN T ; RHOADS GEOFFREY B ; DIGIMARC CORP ; MACINTOSH BRIAN T ; CONWELL WILLIAM Y ; DAVIS BRUCE L ; RODRIGUEZ TONY F ; RHOADS NICOLE ; SHARMA RAVI K ; RODRIQUEZ TONY F

Assignee(s): DIGIMARC (AN OREGON CORPORATION) CORP ; DIGIMARC AN OREGON CORP CORP ; DIGIMARC AN OREGON CORPORATION CORP ; DIGIMARC BEAVERTON CORP

Inventor(s): (std): MACINTOSH BRIAN T ; MACLNTOSH BRIAN T ; NICOLE RHOADS ; REED ALASTAIR M ; RHOADS GEOFFREY B ; RHOADS NICOLE ; RODRIGUEZ TONY F ; RODRIGUEZ TONY R ; RODRIQUEZ TONY F ; SHARMA RAVI K ; STACH JOHN ; BOLES JACOB L ; CONWELL WILLIAM Y ; DAVIS BRUCE L ; LORD JOHN D ; LORD JOHN DOUGLAS

Inventor(s): LORD JOHN ; LORD JOHN DOUGLAS WEST LINN ; RODRIGUEZ TONY ; RHOADS GEOFFREY ; MACINTOSH BRIAN

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP; BOEHMERT AND BOEHMERT ANWALTSPARTNERSCHAFT MBB PATENTANWAELTE RECHTSANWAELTE; HOARTON LLOYD DOUGLAS CHARLES; DIGIMARC CORP; CONWELL WILLIAM Y; MEYER JOEL R

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: CAR SHARING

Abstract: Among other things, through an online site, owners of assets and borrowers of assets can arrange sharing transactions with respect to the assets. Online confirmation is provided to the owners and the borrowers that the arranged sharing transactions have been covered by insurance. Completion of the arranged sharing transactions is managed using information from electronic devices associated with the assets.

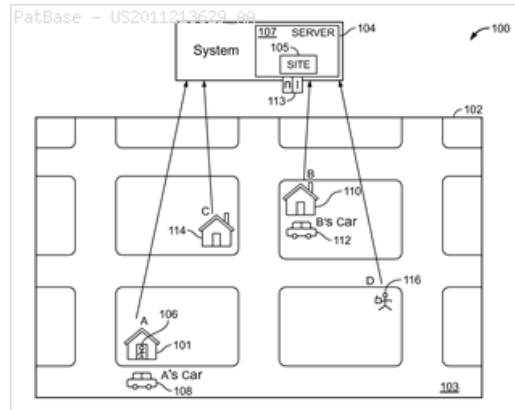
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European: G06Q10/02 G06Q30/0641 G08G1/20B

US: 705/1.1 705/1.100S 705/27.1 705/27.100S 705/5 705/5P



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: RELAYRIDES INC

Assignee(s): (std): AL KADY NABEEL ; BLISS JONAH ; BROOK DAVID ; CLARK SHELBY ; GUINN ROBERT ; HOLCOMB GUS ; REEVES TARA ; RELAYRIDES INC

Inventor(s): (std): AL KADY NABEEL ; BLISS JONAH ; BROOK DAVID ; CLARK SHELBY ; GUINN ROBERT ; HOLCOMB GUS ; REEVES TARA

Agent(s): FEIGENBAUM DAVID L

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 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 TN TM TR TT UA UG US UZ VC VN ZA ZM ZW

Title: COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR MANAGING MOTOR VEHICLE PARKING RESERVATIONS

Abstract: A computer-implemented system and method for managing motor vehicle parking reservations is provided. Motor vehicle parking spaces are managed through a **server**. Smart parking devices physically proximate to the parking spaces are interfaced with the **server**. Vehicle occupancy sensors physically proximate to the parking spaces are interfaced with the **server**. Parking availability indicators associated with the parking spaces are interfaced with the **server**. A motorist reserves a parking space. A reservation request for the parking space is accepted. The request is granted if available over any other reservations. Occupancy of the requested parking space is sensed through the nearest vehicle occupancy sensor. The motorist's or the motor vehicle's identity are verified against the reservation through the nearest smart parking device. Parking availability is indicated through the nearest parking availability indicator based upon the current time, any motor vehicle occupancy, applicable parking regulations, or any unfulfilled reservations for the parking space.

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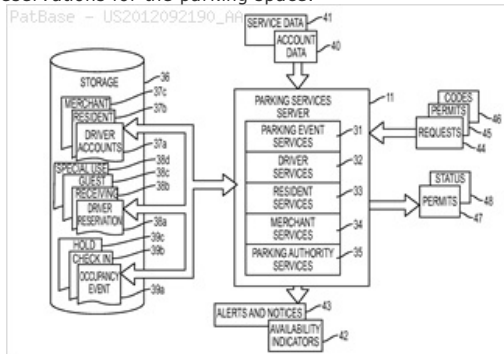
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**Family:**

Publication number	Publication date	Application number	Application date
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Probable Assignee: CONDUENT BUSINESS SERVICES LLC

Assignee(s): (std): PALO ALTO RES CT INC ; UCKUN SERDAR ; STEFIK MARK JEFFREY ; PARTRIDGE KURT ; TORRES FRANCISCO EDUARDO ; GREENE DANIEL H ; ISAACS ELLEN ; KRIVACIC ROBERT THOMAS ; HOOVER ROGER PHYLOS ; CUMMINS DAVID PRESTON ; ELDERSHAW CRAIG ; GLASNAPP JAMES ; GOOD LANCE E ; BELL ALAN G ; PALTO ALTO RES CT INC ; XEROX CORP ; XEROX CORPORATION

Assignee(s): CONDUENT BUSINESS SERVICES LLC ; PALO ALTO RESEARCH CENTER INC ; PALTO ALTO RESEARCH CENTER INC

Inventor(s): (std): BELL ALAN G ; CRAIG ELDERSHAW ; CUMMINS DAVID P ; CUMMINS DAVID PRESTON ; DAVID P CUMMINS ; EDUARDO TORRES FRANCISCO ; ELDERSHAW CRAIG ; FRANCISCO E TORRES ; GLASNAPP JAMES ; GOOD LANCE E ; GREENE DANIEL H ; HOOVER ROGER PHYLOS ; ISAACS ELLEN ; JAMES GLASNAPP ; JEFFREY STEFIK MARK ; KRIVACIC ROBERT T ; KRIVACIC ROBERT THOMAS ; KURT PARTRIDGE ; LANS E GOOD ; MARK J STEFFEK ; PARTRIDGE KURT ; PRESTON CUMMINS DAVID ; ROBERT T KLEIBACSK ; ROGER PHILOSS HOOVER ; SERDAR UCKUN ; STEFIK MARK J ; STEFIK MARK JEFFREY ; TORRES FRANCISCO E ; TORRES FRANCISCO EDUARDO ; UCKUN SERDAR

Agent(s): SKONE JAMES ROBERT EDMUND ; PATRICK J S ; MAKIKO ; PATRICK JS

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: 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:

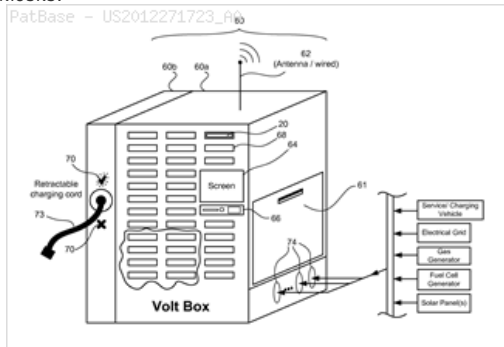
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Family:

Publication number	Publication date	Application number	Application date
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Priority:

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US20170854241	20171226	US20180859730	20180101		

Probable Assignee: EMERGING AUTOMOTIVE LLC

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

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

Title: UNIVERSAL CONSOLE CHASSIS FOR THE CAR

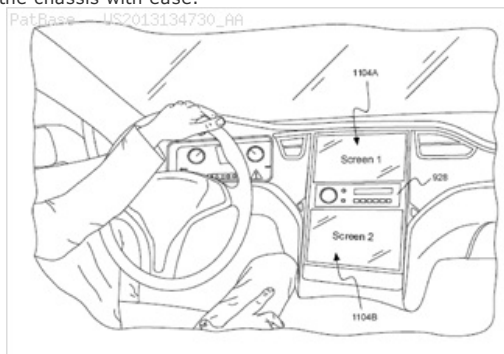
Abstract: Methods and systems for a complete vehicle ecosystem are provided. Specifically, systems that when taken alone, or together, provide an individual or group of individuals with an intuitive and comfortable vehicular environment. The present disclosure includes a universal chassis that may be mounted in the head unit of a vehicle. The chassis may accept one or more modules that each have common dimensions. With a common form factor, the universal chassis is configurable as different modules with different functionality may be inserted into the chassis with ease.

Classifications:

International (IPC 8-9): B60K35/00 B60K37/00 B60K37/02 B60K37/04 B60K37/06 B60L9/00 B60N3/00 B60Q1/48 B60R11/02 B60R13/00 B60R16/037 B60R7/04 B60R7/06 B60T7/16 B60T8/172 B60W30/182 B60W40/08 G01C21/20 G01C23/00 G01M17/00 G05D1/00 G06F13/14 G06F13/364 G06F15/16 G06F15/18 G06F17/00 G06F17/10 G06F17/30 G06F21/10 G06F3/01 G06F3/0484 G06F3/0488 G06F7/00 G06F9/445 G06F9/54 G06N5/02 G06Q30/02 G06Q40/08 G08B1/08 G08C19/00 G08C19/16 G08G1/00 G08G1/01 G08G1/017 G08G1/09 G08G1/0967 G08G1/123 G08G1/14 G08G1/16 G09G5/00 H02P1/00 H04B7/00 H04L29/00 H04L29/08 H04M11/04 H04M3/00 H04N21/482 H04Q9/02 H04W4/00 H04W4/04 H04W84/00 (Advanced/Invention); B60R11/00 B60W40/08 B60W50/00 G06N5/04 (Advanced/Non-invention)

CPC: B60R11/0229 B60R11/02 B60R11/0264 H04W4/046 G07C5/008 G07C5/085 G08G1/0112 G08G1/0133 G08G1/0141 G06F13/14 B60R16/037 B60W30/182 B60W2040/0872 B60W2050/0095 B60W2540/22 B60W2540/26 B60W2540/28 B60K35/00 B60K37/04 B60K2350/1012 B60K2350/1016 B60K2350/1032 B60K2350/104 B60K2350/2052 B60K2350/355 B60K2350/357 B60K2350/925 B60K2350/945 B60K2350/946 B60R11/0235 B60R2011/0007 G08G1/017 B60K37/00 B60K37/06 B60K2350/1028 B60K2350/1052 B60K2350/2013 B60K2350/941 B60R7/04 G01C21/20 G06F3/017 G06F3/0488 G06F9/54 G06F13/364 G06F17/00 G06F17/30386 G06F21/10 G06F2203/04808 G06N5/02 G08C19/00 G08G1/143 G08G1/16 H04L67/02 H04W84/005 G06N5/048 B60W40/04 B60W40/09 B60W2550/22 G06Q30/0265 B60K2350/1004 G02B27/0101 G06F3/0481 G06F3/0482 G06T19/006 G08G1/09 G06F3/0484 G06F11/3013 G06F11/3065 G06F11/328 G06F21/335 G06F21/629 G06F2221/0724 H04L63/10 H04L67/125 B60K37/02 G06F21/121 G06K9/00362 H04L51/36 H04L67/12 G07C5/0825 G07C5/0833 H04W8/22 G06F3/04842 G06F3/0486 G06K9/00832 G07C5/006 H04N21/41422 H04N21/4331 H04W84/12 H04N21/482 B60W50/0098 B60W50/08 G06F3/04817 G06F9/44505 G08G1/096791 B60R21/01512 B60W40/08 B60W2040/0881 G06F8/61 G06Q40/08 G06F3/04847 G06F11/2023 G01S19/13 G06F17/30241 G06Q50/26 G08G1/0116 G08G1/0137 G06K9/00355 G06K2009/00939 H04L41/14 H04W4/50 H04W4/80 H04W4/90 G06F3/04883

US: 1/1 180/167 192/35 192/48.2 192/54.52 192/84.1 296/24.34 296/37.12 318/139 340/539.13 340/870.01 340/905 340/932 340/932.2 340/988 340/996 342/159 342/59 342/70 342/71 342/72 343/713 363/41 455/404.1 455/41.2 455/420 455/456.1 455/456.3 455/509 701/1 701/118 701/2 701/22 701/29.1 701/301 701/31.4 701/36 701/444 701/51 701/519 705/14.62 705/4 706/46 707/736 707/758 709/201 709/217 710/241 715/744 715/746 715/765 715/863 717/174 725/59 726/28



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: AUTOCONNECT HOLDINGS LLC

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

Inventor(s): (std): RICCI CHRISTOPHER P ; SWARTZ DOUGLAS W ; WILSON TADD F

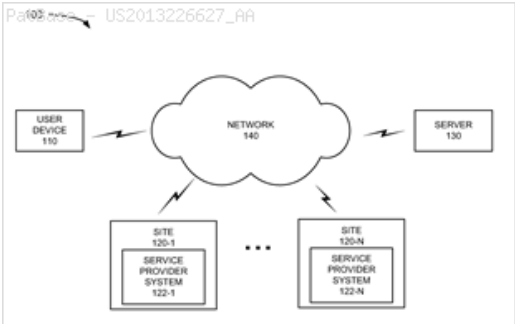
Agent(s): SHERIDAN ROSS PC; WILSON TADD F; VICK JASON H; VICK JASON H ET AL; LENNOX GENTLE THAINE; SWARTZ DOUGLAS W

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 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 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: MOBILE RESERVATION APPLICATION

Abstract: A method may include receiving, from a user device, a first communication requesting information identifying a site that includes a shower facility and accessing a database storing information associated with a number of sites. The method may also include identifying a site, located within a predetermined distance of the user device, that includes a shower facility, and forwarding, to the user device, a second communication including information identifying the site that includes a shower facility.

Classifications:
International (IPC 8-9): G06Q10/02 (Advanced/Invention)
CPC: G06Q10/02
US: 705/5



Family:

Publication number	Publication date	Application number	Application date
US2013226627 AA	20130829	US20120404114	20120224

Priority:

US20120404114 20120224

Probable Assignee: TA OPERATING LLC

Assignee(s): (std): KUBOVCIK SEAN C ; LEWANDOWSKI ROB P ; TA OPERATING LLC

Inventor(s): (std): KUBOVCIK SEAN C ; LEWANDOWSKI ROB P

Title: INFORMED TRAVELER PROGRAM AND APPLICATION

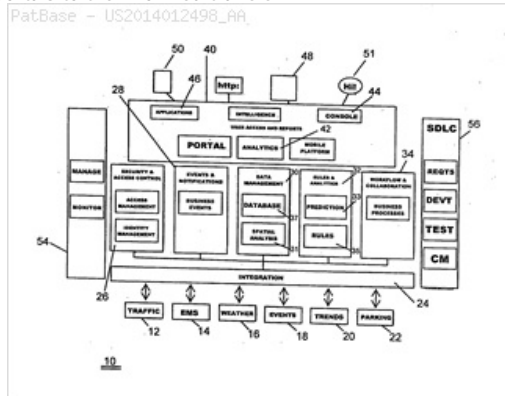
Abstract: A method of informed, multi-modal travel from one or more potential routes to a defined destination includes using real-time travel-related data relative to one or more inputs of present traffic flow, emergency events, special community events, weather, historic traffic-affecting trends, and parking conditions at an informed traveler's destination; providing at least one output of using an historical database of the above real time data; generating a spatial analysis of real-time traffic flow and other traffic data; applying predictive and analytic models having rule-based constraints to selective outputs of said steps; providing guidance as to time allowed for and directions to make intermodal transfers; accounting for personal and medical information supplied by the traveler; confirming authorized users by identity confirmation and management; and providing user and management wireless access portals to the informed traveler.

Classifications:

International (IPC 8-9): G01C21/34 (Advanced/Invention)

CPC: G01C21/3423 G01C21/3492 G08G1/14

US: 701/117 701/468 701/537



Family:

Publication number	Publication date	Application number	Application date
US2014012498 AA	20140109	US20130847024	20130319
US2016334235 AA	20161117	US20150589809	20150105

Priority:

US20120612932P 20120319 US20130847024 20130319 US20150589809 20150105

Probable Assignee: UNIV FLORIDA INT

Assignee(s): (std): FLORIDA INT UNIV BOARD OF TRUSTEES ; GUSTAFSON THOMAS F ; RISHE NAPHTALI ; STAPLETON KENNETH ; TRIAS RAMON ; UNIV FLORIDA INT

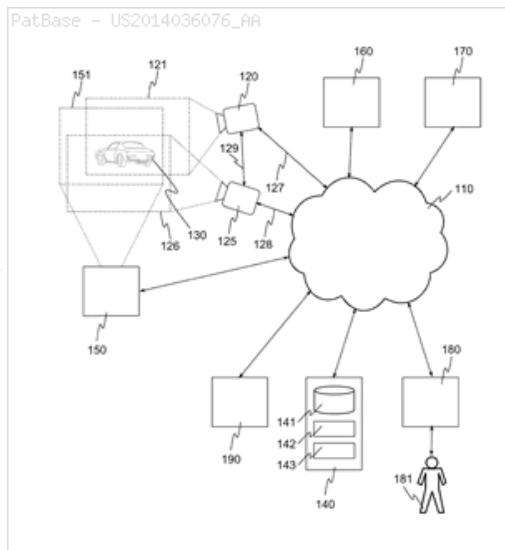
Inventor(s): (std): GUSTAFSON THOMAS F ; RISHE NAPHTALI ; STAPLETON KENNETH ; TRIAS RAMON

Title: METHOD FOR CONTROLLING VEHICLE USE OF PARKING SPACES BY USE OF CAMERAS

Abstract: A method of tracking the use of at least one destination location, the method including identifying a vehicle by use of identification images captured by an identification camera, such as by processing of images of license plates, determining characteristics of the vehicle visible in the identification images, and determining usage of a destination location, such as a parking spot, based on a camera monitoring the destination location capturing images of the vehicle having characteristics corresponding to those determined for the identification images.

Classifications:

International (IPC 8-9): B60Q B60Q1/48 B64C39/02 G01C23/00 G05D1/00 G05D1/10 G06K9/00 G06K9/18 G06K9/32 G06K9/62 G06Q20/02 G06Q20/14 G06Q30/02 G06Q30/04 G06Q50/10 G06Q50/26 G06Q50/30 G06T7/00 G06T7/20 G06T7/24 G06T7/292 G06T7/32 G06T7/70 G06T7/73 G07B15/00 G07B15/02 G07F17/24 G08G1/00 G08G1/01 G08G1/015 G08G1/017 G08G1/04 G08G1/052 G08G1/054 G08G1/056 G08G1/133 G08G1/14 G08G5/00 H04N5/00 H04N5/232 H04N5/247 H04N7/18 (Advanced/Invention); G07B15/02 H04N7/18 (Advanced/Non-invention); B60Q G08G (Subclass/Invention)
CPC: G06Q50/30 G06T2207/10016 G06Q2240/00 G06K9/00 G08G1/00 G08G1/017 G08G1/14 G08G1/146 G08G1/015 G08G1/054 G08G1/147 G08G1/149 H04N5/23206 H04N5/247 B60Q1/48 G08G1/01 G06K9/0063 G07F17/24 G05D1/0094 G05D1/101 G06Q20/02 G06Q30/0284 G06T7/20 G06T2207/10004 G06T2207/30236 G06T2207/30264 G06K9/00342 G06K9/00624 G06K9/00771 G06K9/00785 G06K9/00791 G06K9/00838 G06K9/18 G06K9/325 G06K9/6201 G06Q20/145 G06Q30/04 G06Q50/265 G07B15/00 G07B15/02 G08G1/052 G08G1/056 G08G1/133 G08G1/142 G08G1/143 G08G1/144 G08G1/148 H04N5/23203 H04N5/23216 H04N5/23229 H04N5/23296 H04N7/18 H04N7/181 G06K9/00651 G06K9/6215 B64C39/024 G06T2207/10032 G06T2207/30256 G06T2207/30244 B64C2201/127 G06T7/292 G06T7/70 G06T7/73 G06K2209/15 G08G1/0175 G06T7/004 G06T7/0042 G06T7/2093 G06T7/90 G08G5/0069 B60Q1/0483 G06T7/0026 G06T7/0044 G06T7/204 G06T7/248 G06T7/32 G06T7/74 H05K999/99
US: 1/1 348/143 348/148 348/149 382/103 382/104 382/104 382/105 701/3 705/13 705/34

**Family:**

Publication number	Publication date	Application number	Application date
AU2013352495 AA	20140605	AU20130352495	20131125
AU2013352495 BB	20161222	AU20130352495	20131125
BR112015011749 A2	20170711	BR20151111749	20131125
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EP2925564 A1	20151007	EP20130858745	20131125
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HK1210115 A1	20160415	HK20150110936	20151105
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IL238803 A0	20150630	IL20130238803	20131125
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KR101736648 B1	20170516	KR20157017175	20131125
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MA38226 A1	20161130	MA20150038226	20150625
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WO14085316 A1	20140605	WO2013US71654	20131125

Priority:

US20120680268P	20120806	US20120686802	20121127	US20120686831	20121127
US20120686820	20121127	US20120686839	20121127	WO2013US71654	20131125
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US20140209375	20140313	US20140214973	20140316	US20140226193	20140326
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Probable Assignee: CLOUDPARC INC

Assignee(s): (std): CLOUDPARC INC ; KLAUDPARK INK ; NERAYOFF STEVEN DAVID ; WONG THOMPSON S

Inventor(s): (std): NERAJOFF STIVEN DEVID ; NERAYOF STEVEN DAVID ; NERAYOFF STEVEN DAVID ; STEVEN DAVID NERAYOFF ; THOMPSON S WONG ; UONG TOMPSON S ; WONG THOMPSON N ; WONG THOMPSON S ; WONG THOMPSON S S

Inventor(s): THOMPSON S WONG

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; ROIC; NGUYEN VAN YEN CHRISTIAN; REINHOLD COHN AND PARTNERS; INO SARI; KURASAWA ICHIRO; MATSUSHITA MITSURU; DESHIMARU TAKESHI; KUMAKURA YOSHIO; BAKER HOSTETLER LLP; BAKER AND HOSTETLER LLP; AKHAVANNIK HUSSEIN 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 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: SYSTEM FOR PARKING PAYMENT USING A MOBILE DEVICE

Abstract: Disclosed below are representative embodiments of methods, apparatus, and systems relating to a mobile device payment system for parking payment kiosks ("PPKs"). Among the example embodiments disclosed herein are parking payment kiosks that use mobile devices for payment. Embodiments of the disclosed technology can be used to improve the basic parking process by reducing the amount of time that the driver has to interact with the kiosk. Embodiments of the disclosed technology can also be used to minimize the labor required by parking enforcement. Embodiments of the disclosed technology comprise an access control and payment system that uses a customer's internet-connected mobile device and a display apparatus on the PPK.

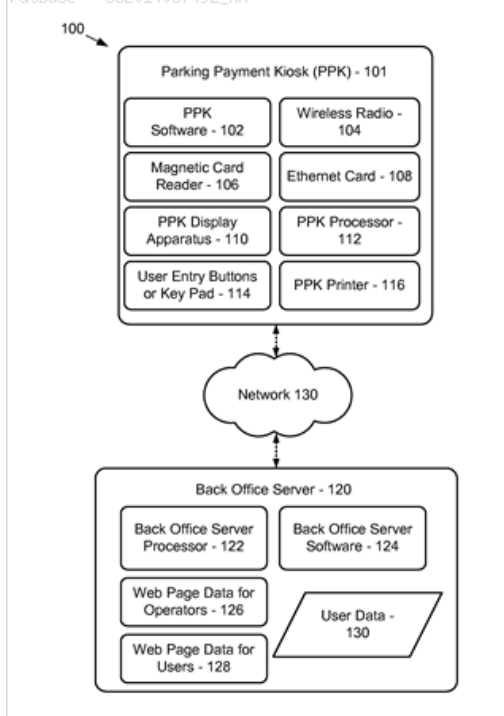
Classifications:

International (IPC 8-9): E04B1/62 E04C3/36 E04H12/02 E04H12/08 G06Q10/02 G06Q20/14 G06Q20/32 G06Q20/40 G06Q20/42 G07B15/06 G07F15/00 (Advanced/Invention)

CPC: G06Q20/322 G06Q10/02 G07B15/02 B60L11/1848 G06Q20/145 G06Q20/18 G07F17/24 G06Q20/40 Y02T10/7005 Y02T90/121 Y02T90/14 Y02T90/163 Y02T90/169 Y04S30/14 Y02T10/7072 G06Q20/3276 G06Q20/401 G06Q20/425 G07F15/005 Y02T90/12 Y02T90/128 E04C3/36 E04H12/02 G07C2011/04 E04B1/62 G07B15/06

US: 1/1 52/309.14 52/834 705/13 705/44 705/5

PatBase - US2014067492_AA



Family:

Publication number	Publication date	Application number	Application date
US2014067492 AA	20140306	US20130047842	20131007
US2014067493 AA	20140306	US20130065200	20131028
US2014067680 AA	20140306	US20130014108	20130829
US2014074523 AA	20140313	US20130083239	20131118
US2014096475 AA	20140410	US20130035512	20130924
US2016177589 AA	20160623	US20160056032	20160229
US9273483 BB	20160301	US20130035512	20130924
US9436944 BB	20160906	US20130014108	20130829

Priority:

US20120694647P	20120829	US20120710643P	20121005	US20120719483P	20121028
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US20130047842	20131007	US20130065200	20131028	US20130083239	20131118
US20160056032	20160229				

Probable Assignee: OPTIMIZATION TECHNOLOGIES INC

Assignee(s): (std): OPTIMIZATION TECH INC ; OPTIMIZATION TECHNOLOGIES INC ; TRIDENT IND LLC

Inventor(s): (std): CEKO PETER ; MOYER DAMION J ; TURNER DEXTER

Agent(s): REID E; GORDON REES SCULLY MANSUKHANI LLP; KLARQUIST SPARKMAN LLP

Title: COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR PROVIDING JUST-IN-TIME LOADING ZONE PARKING

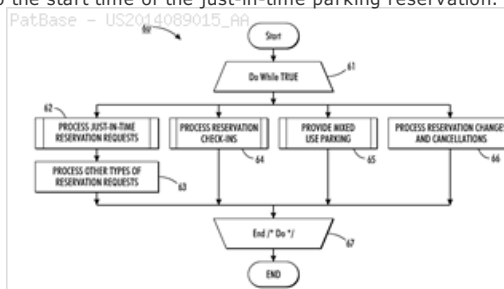
Abstract: A computer-implemented method for system and method for providing just-in-time loading zone parking is provided. A next delivery destination for a delivery driver is determined. A just-in-time parking reservation at the next delivery destination is booked. The just-in-time parking reservation includes a parking location and start time. A time of arrival by the delivery driver at the parking location is estimated. An amount of time between the estimated time of arrival and the start time of the just-in-time parking reservation is determined. Parking in the parking location by other drivers is permitted when the estimated time of departure is sufficiently prior to the start time of the just-in-time parking reservation.

Classifications:

International (IPC 8-9): G06Q10/00 G06Q10/02 G06Q10/08
G06Q50/10 G06Q50/28 G06Q50/30 (Advanced/Invention);
G06Q50/28 G07B15/00 G07B15/02 (Advanced/Non-invention)

CPC: G06Q10/08 G06Q10/025 G06Q50/10 G06Q50/28

US: 1/1 705/5



Family:

Publication number	Publication date	Application number	Application date
EP2711881 A2	20140326	EP20130185493	20130923
EP2711881 A3	20150805	EP20130185493	20130923
US2014089015 AA	20140327	US20120624873	20120921
US9213957 BB	20151215	US20120624873	20120921

Priority:

US20120624873 20120921

Probable Assignee: CONDUENT BUSINESS SERVICES LLC

Assignee(s): (std): PALO ALTO RES CT INC

Assignee(s): PALO ALTO RESEARCH CENTER INC ; CONDUENT BUSINESS SERVICES LLC

Inventor(s): (std): HOOVER ROGER ; HOOVER ROGER PHYLOS ; ISAACS ELLEN ; JARVIS PETER ; KRIVACIC ROBERT T ; KRIVACIC ROBERT THOMAS ; STEFIK MARK J

Agent(s): LORD MICHAEL; PATRICK J S

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: COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR MANAGING INTERCHANGEABLE EV CHARGING-CAPABLE PARKING SPACES

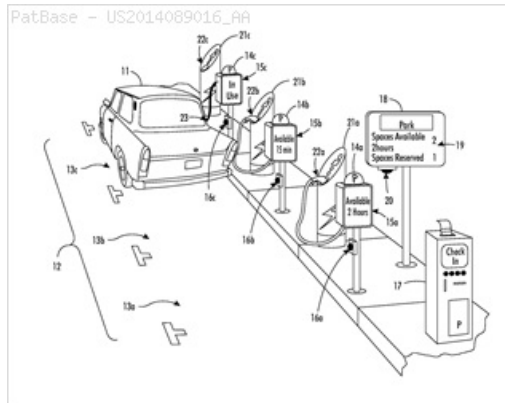
Abstract: A centralized **server**-based system and method for managing and reserving parking spaces capable of charging an EV, that is, a plug-in hybrid or fully electric vehicle, treats sets of parking spaces as interchangeable pooled resources. An EV motorist can book a reservation with charging of the EV by specifying parking in a desired location. Parking spaces serve dual uses for parking alone or parking with charging. The parking spaces are handled as a common parking pool, such as on one side of a city block, and each space has equal access to a charging station. The **server** determines charging capacity availability within a time window and the motorist can choose a parking time up to or beyond, if permitted, the maximum charging time needed to charge the EV. Non-EV motorists can similarly reserve parking within a parking pool with the **server** ensuring optimal use of charging capacity and parking spaces.

Classifications:

International (IPC 8-9): B60L11/18 G06Q10/02 G06Q50/10
G08B1/08 G08G1/14 H02J7/00 (Advanced/Invention)

CPC: G06Q10/02 H05K999/99

US: 340/870.09 705/5



Family:

Publication number	Publication date	Application number	Application date
EP2711876 A1	20140326	EP20130185507	20130923
JP2014063492 A2	20140410	JP20130189280	20130912
US2014089016 AA	20140327	US20120624883	20120921
US9779365 BB	20171003	US20120624883	20120921

Priority:

US20120624883 20120921

Probable Assignee: CONDUENT BUSINESS SERVICES LLC

Assignee(s): (std): CONDUENT BUSINESS SERVICES LLC ; PALO ALTO RES CT INC

Assignee(s): PALO ALTO RESEARCH CENTER INC

Inventor(s): (std): SYLVIA SMULLIN ; STEFIK MARK J ; SMULLIN SYLVIA ; SCHWARTZ DAVID ERIC ; GREENE DANIEL H

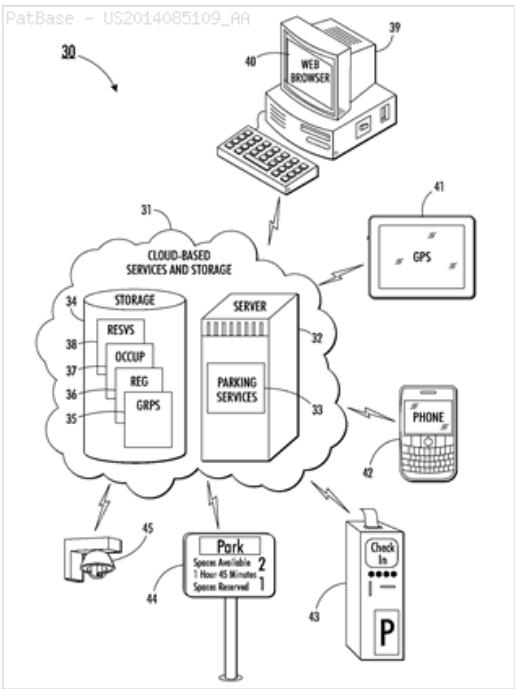
Agent(s): LORD MICHAEL; PATRICK J S; KRISTA A

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: COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR MANAGING INTERCHANGEABLE PARKING SPACES

Abstract: A computer-implemented system and method for managing interchangeable parking spaces is provided. A parking pool that includes a plurality of parking spaces, which are each interchangeably reservable by motorists, is formed. The parking spaces in the parking pool that are currently-occupied by other vehicles and any reservations by motorists to park their vehicles in the parking pool are identified. The number of the parking spaces in the parking pool free of the currently-occupied parking spaces and the parking spaces in the parking pool that will be used to fulfill the reservations, plus the time available for parking in the parking pool, are displayed.

Classifications:
International (IPC 8-9): B60Q1/00 G06Q10/02 G07B15/00
G08G1/14 (Advanced/Invention)
CPC: G06Q10/02
US: 340/425.5 340/932.2



Family:

Publication number	Publication date	Application number	Application date
EP2711875 A1	20140326	EP20130185501	20130923
US2014085109 AA	20140327	US20120624876	20120921
US8816879 BB	20140826	US20120624876	20120921

Priority:

US20120624876 20120921

Probable Assignee: CONDUENT BUSINESS SERVICES LLC

Assignee(s): (std): PALO ALTO RES CT INC

Assignee(s): PALO ALTO RESEARCH CENTER INC ; CONDUENT BUSINESS SERVICES LLC

Inventor(s): (std): BELL ALAN G ; DANCE CHRISTOPHER R ; DEVASANI SHRENIK ; ELDERSHAW CRAIG ; HOOVER ROGER ; HOOVER ROGER PHYLOS ; ISAACS ELLEN ; JARVIS PETER ; KRIVACIC ROBERT T ; KRIVACIC ROBERT THOMAS ; LYNGBAEK KRISTIAN ; SMULLIN SYLVIA ; STEFK MARK J ; TANIGUCHI MAKIKO ; TORRES FRANCISCO E

Agent(s): LORD MICHAEL; PATRICK J S; MAKIKO

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: VEHICLE INTRUDER ALERT DETECTION AND INDICATION

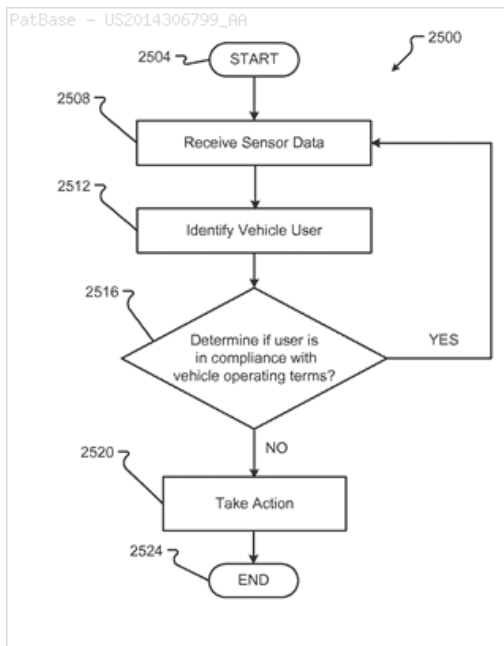
Abstract: Methods and systems for a detecting an intruder near or within a vehicle are disclosed. Specifically, a method to detect and identify a person near or within a vehicle as an authorized or an unauthorized user is provided. In the event an unauthorized user is detected within a vehicle, the system 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)

CPC: 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 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 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 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 G08G1/096725 B60R25/20 B60R25/2081 B60R25/257 G01C21/206 G01C21/3641 G01S19/42 G05D1/0016 G06F17/30203 G06F2203/04803 G06K9/00335 G08G1/07 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 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 G06K9/00355 G06K9/00832 G06K2009/00939 G05D1/021 G05D1/0276 G08G1/0968 G08G1/096805 G08G1/096844 G08G1/164 H04N21/2225 G02B27/0093 G06K9/00221 H04W4/04 H04W4/90 G01C21/362 G08G1/096811 H04W4/21 H04W4/60 H04W4/70 H04W4/80 H04W76/11 H04W76/19 G06F3/017 G06F9/451 H05K999/99 G06F3/167 G06F17/3056 H04L63/0236

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
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Priority:

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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 ; WILSON TADD F ; YUSUPOV ALISHER ; YUSUPOV ALISHER I ; RICCI CHRISTOPHER P ; LINDON BRENT R

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 MX MY MZ NA NE NG NI NL NO 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: VOLLSTAENDIGES FAHRZEUGOEKOSYSTEM Full FAHRZEUGOEKOSYSTEM (Machine translation)

Abstract: Source: DE112012004767T5 [DE] Verfahren und Systeme fuer ein vollstaendiges Fahrzeugoekosystem werden bereitgestellt. Insbesondere liefern Systeme, wenn alleine oder zusammengenommen, einer Person oder einer Gruppe von Personen eine intuitive und komfortable Fahrzeugumgebung. Die vorliegende Offenbarung baut darauf auf, existierende Technologie mit neuen Einrichtungen, Verfahren und Systemen zu integrieren, um ein vollstaendiges Fahrzeugoekosystem bereitzustellen. **Machine translation:** Methods and systems for a complete vehicle ecosystem be provided. In particular, deliver systems when alone or taken together, a person or a group of people an intuitive and comfortable vehicle environment. The present disclosure builds on this existing technology to integrate with new facilities, processes and systems to provide a complete vehicle ecosystem.

Classifications:

International (IPC 8-9): B60Q1/48 (Advanced/Invention)

CPC: G06F13/14 H04W4/046 B60R16/037 B60W30/182
B60W2040/0872 B60W2050/0095 B60W2540/22 B60W2540/26
B60W2540/28 B60K35/00 G08G1/017 B60K37/00 B60K37/06
B60K2350/1028 B60K2350/1052 B60K2350/2013 B60K2350/941
B60R7/04 G01C21/20 G06F3/017 G06F3/0488 G06F9/54 G06F13/364
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G06N5/048 B60W40/04 B60W40/09 B60W2550/22 G06Q30/0265
B60K2350/1004 G02B27/0101 G06F3/0481 G06F3/0482 G06T19/006
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G01S19/13 G06F17/30241 G06Q50/26 G08G1/0112 G08G1/0116
G08G1/0137 G06K9/00355 G06K2009/00939 H04L41/14 H04W4/50
H04W4/80 H04W4/90 G06F3/04883

PatBase - DE112012004767_T5

DE 11 2012 004 767 T5 2014.11.06

Anhängende Zeichnungen

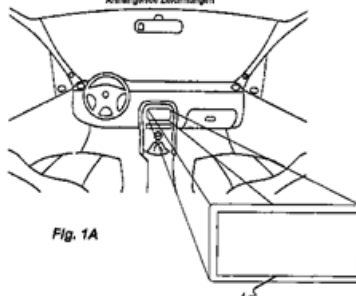
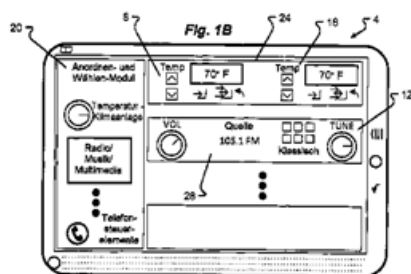


Fig. 1A



5697

Family:

Publication number	Publication date	Application number	Application date
DE112012004767 T5	20141106	DE201211004767T	20121116

Priority:

US20110560509P 20111116	US20120637164P 20120423	US20120646747P 20120514
US20120653275P 20120530	US20120653264P 20120530	US20120653563P 20120531
US20120663335P 20120622	US20120672483P 20120717	US20120714016P 20121015
US20120715699P 20121018	WO2012US65423 20121116	

Probable Assignee:

FLEXTRONICS AP LLC

Assignee(s): (std):

FLEXTRONICS AP LLC

Inventor(s): (std):

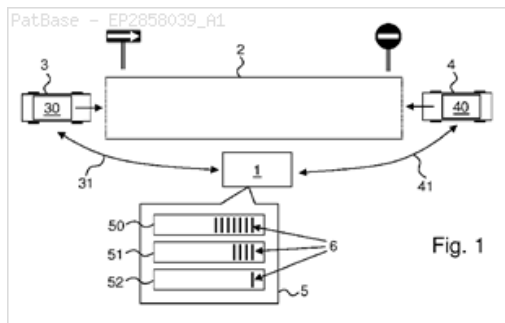
RICCI CHRISTOPHER P

Title: METHOD FOR AUTOMATICALLY CONTROL OF THE ENTRY OF A ROAD VEHICLE INTO A CONTROLLED STRETCH OF ROAD, CONTROL SYSTEM AND ON-BOARD SYSTEM FOR THE SAME, AND COMPUTER PROGRAM PROCEDE DE CONTROLE AUTOMATIQUE DE L'ARRIVEE D'UN VEHICULE ROUTIER DANS UNE SECTION DE ROUTE CONTROLEE, SYSTEME DE CONTROLE ET SON SYSTEME COTE VEHICULE ET PROGRAMME INFORMATIQUE

Abstract: Source: EP2858039A1 [DE] Die Erfindung betrifft ein Verfahren zur automatischen Kontrolle des Einfahrens eines Strassenfahrzeuges in einen durch ein Kontrollsystem kontrollierten Strassenabschnitt mit den Schritten: a) von einem fahrzeugseitigen System des Strassenfahrzeuges wird vor Einfahrt in den kontrollierten Strassenabschnitt ein Einfahrtberechtigungstoken vom Kontrollsystem angefordert, b) das Kontrollsystem prueft bei Empfang einer Einfahrtberechtigungstoken-Anforderung, ob die Ausgabe eines Einfahrtberechtigungstokens an das anfordernde Strassenfahrzeug zulaessig ist, c) bei Zulaessigkeit uebermittelt das Kontrollsystem den angeforderten Einfahrtberechtigungstoken an das anfordernde Strassenfahrzeug, d) das fahrzeugseitige System erzeugt spaetestens bei der Einfahrt in den kontrollierten Strassenabschnitt ein Einfahrterlaubnisignal, wenn der angeforderte Einfahrtberechtigungstoken vom Kontrollsystem empfangen wurde, und ein Einfahrtverbotssignal, wenn der Einfahrtberechtigungstoken nicht empfangen wurde, e) das erzeugte Einfahrterlaubnisignal oder Einfahrtverbotssignal wird im Strassenfahrzeug zur Erzeugung einer Warnmeldung und/oder zur Durchfuehrung automatischer Steuer- und/oder Regelmassnahmen weiterverwertet. Die Erfindung betrifft ferner ein Kontrollsystem zur Kontrolle eines kontrollierten Strassenabschnitts, ein fahrzeugseitiges System und ein Computerprogramm. **Machine translation:** The invention relates to a method for the automatic control of the raising of a road vehicle in a controlled by a control system of street segments comprising the steps of: a) by an on-board system of road vehicle an entry permit token before entering the controlled section of road requested by the control system, b) the control system is checking on receipt of a driveway authorization token request if the output of a driveway authorization token to the requesting road vehicle is permissible, c) for admissibility, the control system shall transmit the requested access pass token to the requesting road vehicle, d) the on-board system produces no later at the entrance to the controlled section of road, a driveway permit signal if the requested entry permit token has been received by the control system, and prohibiting entry signal when the access pass token was not received, e) the entry permit signal or prohibiting entry signal generated is in the road vehicle for generating a warning and / or order to obtain an automatic control and / or control measures recycled. The invention further relates to a control system for controlling a controlled road section, an on-vehicle system and a computer program.

Classifications:

International (IPC 8-9): B60R16/02 B60W40/04 B60W50/04 G01C21/32 G01C21/36 G01C7/04 G06Q10/08 G06Q50/30 G07B15/02 G07B15/06 G07C5/00 G07C5/08 G08G1/01 G08G1/017 G08G1/056 G08G1/0962 G08G1/0967 G08G1/0968 G08G1/097 G08G1/14 H04L12/26 (Advanced/Invention)
CPC: G08G1/015 G08G1/017 G08G1/052 G08G1/056 G08G1/096716 G08G1/096725 G08G1/096741 G08G1/096783 G07B15/06 G08G1/205 G08G1/143 G08G1/144 G08G1/146 G08G1/147 B60R16/0234 G08G1/097 G08G1/0175 G07C5/008 H04L43/0817 H04L43/10 B60W2550/402 B60W2050/046 B60W2050/0045 B60W2050/0006 B60W50/045 G08G1/096791 G08G1/096775 G01C21/3697 G08G1/0129 G08G1/09623 G08G1/0112 G01C21/32



Family:

Publication number	Publication date	Application number	Application date
DE102013107959 A1	20150129	DE201310107959	20130725
DE102013107959 B4	20170316	DE201310107959	20130725
DE102013107960 A1	20150129	DE201310107960	20130725
DE102013107962 A1	20150129	DE201310107962	20130725
DE102013107962 B4	20160804	DE201310107962	20130725
DE102013108034 B3	20150108	DE201310108034	20130726
DE502014006115 D1	20171221	DE201450006115T	20140721
EP2858039 A1	20150408	EP20140177842	20140721
EP2858039 B1	20171108	EP20140177842	20140721

Priority:

DE201310107959 20130725 DE201310107960 20130725 DE201310107962 20130725
 DE201310108034 20130726 EP20140177842 20140721

Probable Assignee: DEUTSCHES ZENTRUM F LUFT U RAUMFAHRT E V

Assignee(s): (std): DEUTSCHES ZENTRUM F LUFT U RAUMFAHRT E V

Assignee(s): DEUTSCHES ZENTRUM F LUFT U RAUMFAHRT EV

Inventor(s): (std): FRANKIEWICZ TOBIAS ; SCHNIEDER LARS

Agent(s): GRAMM LINS AND PARTNER PATENT U RECHTSANWAELTE PARTGMBB; GUENTHER CONSTANTIN

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: ELECTRONIC RESERVATION SYSTEM AND METHOD

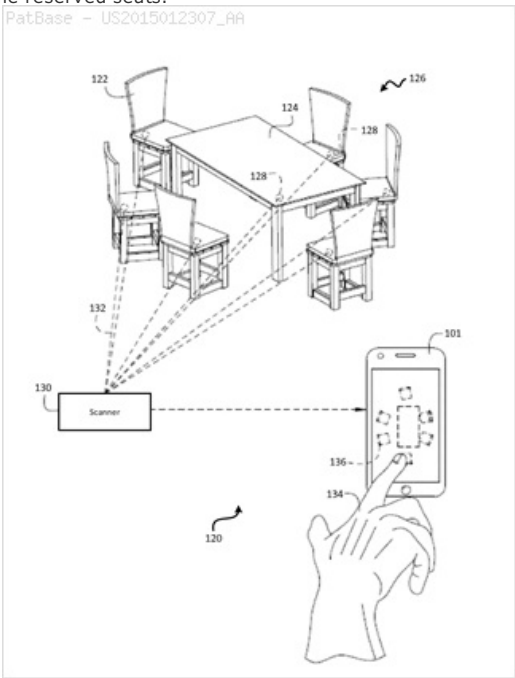
Abstract: According to various embodiments, the present invention may provide a method for inventorying, reserving, checking into, navigating to, and/or checking out of seats or other occupiable spaces. A tag may be attached to each seat and scanned wirelessly to gather seat data, which may be used to generate an inventory of the seats available for reservation. A user may then view the inventory and select one or more seats for reservation. When the user arrives at the establishment, he or she may check into the reserved seats. A navigation application may help the user locate the reserved seats. Upon departing the establishment, the user may check out of the reserved seats.

Classifications:

International (IPC 8-9): G06Q10/02 (Advanced/Invention)

CPC: G06Q10/02

US: 705/5



Family:

Publication number	Publication date	Application number	Application date
US2015012307 AA	20150108	US20140161546	20140122

Priority:

US20130843262P 20130705

US20140161546 20140122

Probable Assignee:

RADIOACTIVE DEVELOPMENT LLC

Assignee(s): (std):

RADIOACTIVE DEV LLC

Assignee(s):

RADIOACTIVE DEVELOPMENT LLC

Inventor(s): (std):

MOSS DAVID A

Title: SYSTEM FOR RESERVING PARKING SPACE IN REAL TIME AND PROCESS FOR RESERVING PARKING SPACES IN REAL TIME USING SAID SYSTEM

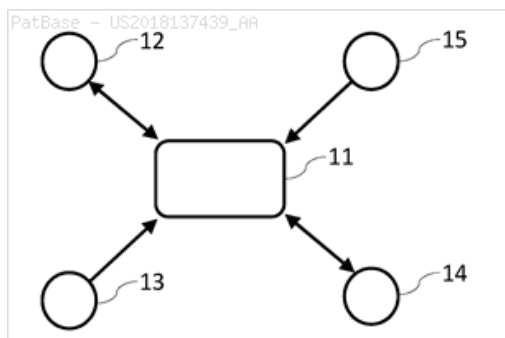
Abstract: The present invention is related to a systems and methods for reserving parking space in real time. The system for reserving parking space in real time comprises a communication means for communication with a central **server**; a reservation means for requesting a reservation to said central **server**; an electronic database containing information about parking spaces, which is read and updated by said central **server**; a positioning means for determining the position of a vehicle, for which the parking space is reserved and communicating said position to the central **server**; and the central **server** being configured to: communicate with said communication means, receive reservation requests from said reservation means, process said reservation requests and reserve a parking space, communicate with said positioning means; classify the parking space according to a feature defined by the interested party and reallocate a parking space from a reservation already generated according to said defined feature.

Classifications:

International (IPC 8-9): G06F17/30 G06Q10/00

G06Q10/02 (Advanced/Invention)

CPC: G06Q10/02 G06F17/30943 G06Q10/00



Family:

Publication number	Publication date	Application number	Application date
CL2015001087 A1	20150626	CL20150001087	20150424
CN107615311 A	20180119	CN201680032903	20160421
CO20170011716 A2	20171130	CO20170011716	20171117
EP3287962 A1	20180228	EP20160782443	20160421
IN201717041773 A	20180202	IN201717041773	20171122
PE05952018 A1	20180405	PE20170002318	20160421
US2018137439 AA	20180517	US20160568756	20160421
WO16168948 A1	20161027	WO2016CL50019	20160421

Priority:

CL20150001087 20150424 WO2016CL50019 20160421

Probable Assignee: EMPRESAS DISRUPTIVA SPA

Assignee(s): (std): EMPRESAS DISRUPTIVA SPA

Inventor(s): (std): GALANO TRIVINO SERGIO ENRIQUE ; SANHUEZA PEREZ DARIO ALEJANDRO ; GALANO TRIVILO SERGIO ENRIQUE

Inventor(s): DARIO ALEJANDRO SANHUEZA PEREZ ; SERGIO ENRIQUE GALANO TRIVINO ; SANHUEZA PEREZ DARO ALEJANDRO ; GALANO TRIVI O SERGIO ENRIQUE

Agent(s): JARRY IP JARRY IP SPA; MAURICIO PATINO BONNET; PADIAL MARTINEZ ANA BELEN; MORENO SAMPER OLGA

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: ROBOTIC COMMUNICATION WITH FIBER-OPTICS

Abstract: A system for managing inventory items includes a portable inventory holder and an unmanned drive unit configured to move the inventory holder between locations in an inventory facility. The inventory facility includes a plurality of light emitting elements. The drive unit captures an image of a subset of the light emitting elements. The captured image is processed to determine the location of the drive unit within the facility. A path is determined along which the drive unit moves to an inventory holder and moves the inventory holder to another location. The light emitting elements can be provided by optical fibers embedded in the floor of the inventory facility.

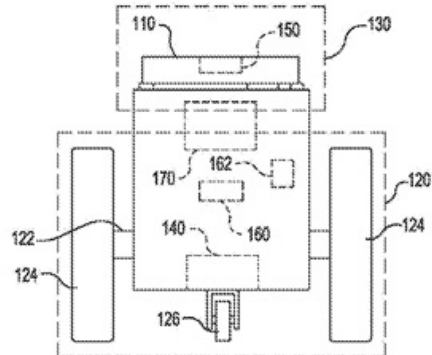
Classifications:

International (IPC 8-9): B65G1/02 G01C21/20 G05D1/00 G05D1/02 G06F7/00 G06Q10/04 G06Q10/08 (Advanced/Invention)

CPC: G06Q10/087 G05D1/0246 G01C21/206 G05D1/0234 G05D2201/0216 G06Q10/04 G06Q10/08 G05D1/00 G05D1/0274

US: 1/1 700/214 701/28

PatBase - US2015353280_AA



Family:

Publication number	Publication date	Application number	Application date
US2015353280 AA	20151210	US20140298756	20140606
US2015371181 AA	20151224	US20150841505	20150831
US9152149 BA	20151006	US20140298789	20140606
US9471894 BB	20161018	US20150841505	20150831
US9494934 BB	20161115	US20140298756	20140606
WO15188193 A1	20151210	WO2015US34734	20150608

Priority:

US20140298756 20140606 US20140298789 20140606 US20150841505 20150831

Probable Assignee: AMAZON TECHNOLOGIES INC

Assignee(s): (std): AMAZON TECH INC

Assignee(s): AMAZON TECHNOLOGIES INC

Inventor(s): (std): BRAZEAU JEREMIAH DAVID ; PALAMARCHUK ANDRIY

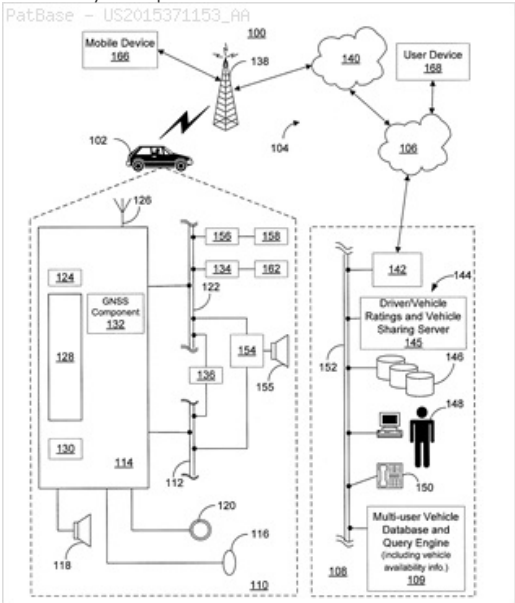
Agent(s): KILPATRICK TOWNSEND AND STOCKTON LLP; WYLIE ROGER ET AL

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: VEHICLE SHARING SYSTEM SUPPORTING NESTED VEHICLE SHARING WITHIN A LOAN PERIOD FOR A PRIMARY VEHICLE BORROWER

Abstract: A system and method are described for managing nested sharing of vehicles. A shared vehicle **server** registers, in a shared vehicle database, a primary reservation by a primary borrower for a shared vehicle, that specifies a primary time period. The **server** receives an indication that the shared vehicle is to be made available for nested sharing during a portion of the primary time period. The **server** creates a nested sharing availability record, for the shared vehicle, that specifies a sub-period of the primary time period. The shared vehicle **server** matches the nested sharing availability record to a shared vehicle request for a secondary borrower. The shared vehicle **server** registers, in the vehicle database, a secondary reservation by the secondary borrower for the shared vehicle that specifies a secondary time period within the sub-period. The **server** tracks status of the shared vehicle during the secondary time period.

Classifications:
International (IPC 8-9): G06Q10/02 G06Q30/06 (Advanced/Invention)
CPC: G06Q10/02 G06Q30/0645 G06Q40/08 G06Q40/025
US: 705/5



Family:

Publication number	Publication date	Application number	Application date
US2015371153 AA	20151224	US20140313655	20140624

Priority:
US20140313655 20140624

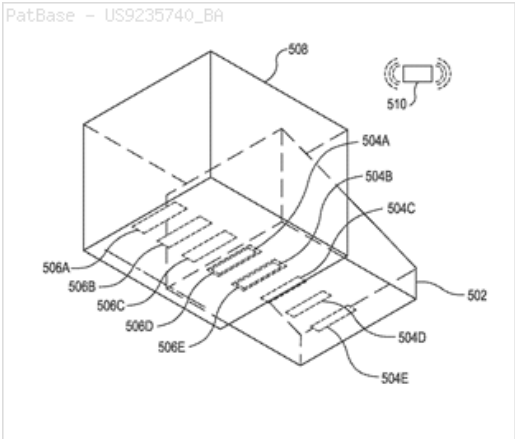
Probable Assignee: GENERAL MOTORS LLC
Assignee(s): (std): GEN MOTORS LLC
Assignee(s): GENERAL MOTORS LLC
Inventor(s): (std): CAMACHO ESTEBAN ; LOHMEIER DAVID A ; LOWE DEXTER C ; VELIU SHPETIM S

Title: AUTOMATIC DRAWER STATE DETECTION

Abstract: An inventory system can include radio frequency identification (RFID) tags and RFID tuners that can be brought into interacting proximity with one another to provide input or other information about the location or other condition of movable elements within the inventory system. For example, a closed or at least partially open state of a drawer can be determined based on signals from an RFID tag when the RFID tag and a corresponding RFID tuner are mounted on opposing faces of the drawer and a compartment that receives the drawer.

Classifications:

International (IPC 8-9): G06F19/00 G06K7/10
G06Q10/08 (Advanced/Invention);
G08C17/02 H01H9/16 (Advanced/Non-invention)
CPC: G08C17/02 H01H9/167 H01H2300/032 H04Q9/00 H04Q2209/47
G06K7/10366 G06K7/10297 G06Q10/087 G06K7/10396
US: 1/1



Family:

Publication number	Publication date	Application number	Application date
US9235740 BA	20160112	US20140570999	20141215
US9589162 BA	20170307	US20150955950	20151201

Priority:

US20140570999 20141215 US20150955950 20151201

Probable Assignee: AMAZON TECHNOLOGIES INC

Assignee(s): (std): AMAZON TECH INC

Assignee(s): AMAZON TECHNOLOGIES INC

Inventor(s): (std): GRAYBILL JULES COOK ; LAUKA WESLEY SCOTT ; PHILLIPS JONATHAN DAVID ; RUSSELL RYAN SCOTT

Agent(s): KILPATRICK TOWNSEND AND STOCKTON LLP

Title: PARKING SPACE MANAGEMENT SYSTEM AND METHOD**Abstract:** A method of optimizing the use of parking spots in a contiguous parking zone includes dividing a parking zone into a plurality of component parking slots; evaluating the size of a dynamic parking spot required by a specific vehicle having known parking spot size requirements, as a function of the component parking slots, and evaluating the availability in the parking zone of the dynamic parking spot.**Classifications:****International (IPC 8-9):** G01C21/36 G06Q10/02 G06Q20/12 G07B15/02 G08G G08G1/015 G08G1/13

G08G1/14 (Advanced/Invention);

G06Q50/26 (Advanced/Non-invention);

G08G (Subclass/Invention)

CPC: G06Q50/26 G06Q10/02 G08G1/148 G08G1/017 G08G1/123

G08G1/141 G01C21/3667 G06Q20/127 G07B15/02 G06Q10/00

G06Q50/30 H04W4/02 G01C21/3685 G08G1/144 G08G1/015

G08G1/13 G08G1/146 G08G1/147 G06Q2240/00 H04W4/043

H04W4/046 G01C21/3469 G08G1/143

US: 340/932.2 455/456.1 705/5**Family:**

Publication number	Publication date	Application number	Application date
EP3186796 A1	20170705	EP20150835448	20150827
EP3186796 A4	20180411	EP20150835448	20150827
EP3186797 A1	20170705	EP20150844292	20150827
IL250800 A0	20170430	IL20150250800	20150827
IL250801 A0	20170430	IL20150250801	20150827
MX2017002542 A1	20171012	MX20170002542	20150827
MX2017002543 A1	20171018	MX20170002543	20150827
US2016063862 AA	20160303	US20150837136	20150827
US2016180261 AA	20160623	US20160058245	20160302
US2016180712 AA	20160623	US20160058766	20160302
US2016371607 AA	20161222	US20160058890	20160302
US2017018183 AA	20170119	US20160058540	20160302
US2017278023 AA	20170928	US20150507125	20150827
US2017278396 AA	20170928	US20150507134	20150827
US2018144632 AA	20180524	US20180876163	20180121
WO16030854 A1	20160303	WO20151B56509	20150827
WO16046665 A1	20160331	WO20151B56512	20150827
WO17033066 A1	20170302	WO20161B51193	20160302
WO17033172 A1	20170302	WO20161L50239	20160302
WO17033173 A1	20170302	WO20161L50240	20160302
WO17033174 A1	20170302	WO20161L50241	20160302

Priority:

US20140042445P	20140827	US20150507125	20150827	US20150837136	20150827
US20150507134	20150827	WO20151B56509	20150827	WO20151B56512	20150827
US20160058245	20160302	US20160058540	20160302	US20160058766	20160302
US20160058890	20160302	US20170507125	20170227	US20180876163	20180121

Probable Assignee: SPARKCITYCOM LTD**Assignee(s):** (std): HAIM YOSEF GOTLIEB ; ITAMAR ROSEN ; MUNI SPARK LTD ; ORRI BEN NATHAN ; SPARKCITY COM LTD**Assignee(s):** SPARKCITYCOMLTD ; SPARKCITYCOM LTD ; MUNISPARK LTD**Inventor(s):** (std): BEN NATHAN ORRI ; GOTLIEB HAIM YOSEF ; HAIM YOSEF GOTLIEB ; ITAMAR ROSEN ; ORRI BEN NATHAN ; ROSEN ITAMAR ; WEISSBERG ELIMELECH ; YAGUR SHAI**Agent(s):** SCHULZ BEN JESKO; JMB DAVIS BEN DAVID LTD; JMB DAVIS BEN DAVID LTD ET AL; BEN DAVID YIRMIYAHU ET AL; BEN DAVID YIRMIYAHU 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 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: INVENTORY HOLDER LOAD DETECTION AND/OR STABILIZATION

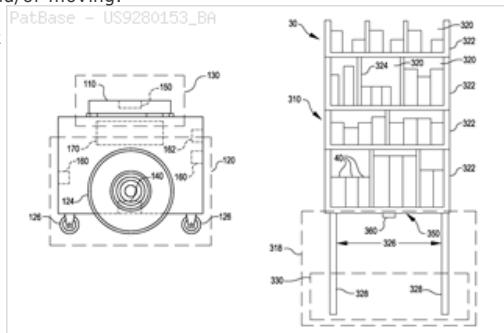
Abstract: An inventory system includes an inventory holder and a mobile drive unit. The mobile drive unit includes sensors for detecting one or more load characteristics of the inventory holder and/or includes magnets and/or magnetic surfaces for securing the inventory holder to the mobile drive unit during lifting and/or moving.

Classifications:

International (IPC 8-9): B65G1/137 G05B15/02 G05D1/00 G05D1/02 G06F19/00 G06F7/00 (Advanced/Invention)

CPC: G05D1/0297 B65G1/137 G05B15/02 G05D1/00 G06Q10/08 G05D1/021 G05D1/0214 G05D2201/0216 H05K999/99

US: 1/1



Family:

Publication number	Publication date	Application number	Application date
US9280153 BA	20160308	US20140491752	20140919
US9469477 BA	20161018	US20160008378	20160127
US9738449 BA	20170822	US20160276602	20160926
US9856084 BA	20180102	US20170658033	20170724

Priority:

US20140491752 20140919 US20160008378 20160127 US20160276602 20160926
US20170658033 20170724

Probable Assignee: AMAZON TECHNOLOGIES INC

Assignee(s): (std): AMAZON TECH INC

Assignee(s): AMAZON TECHNOLOGIES INC

Inventor(s): (std): BRAZEAU JEREMIAH DAVID ; PALAMARCHUK ANDRIY

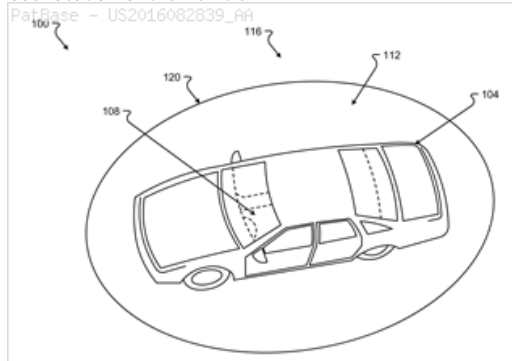
Agent(s): KILPATRICK TOWNSEND AND STOCKTON LLP

Title: CONFIGURABLE DASH DISPLAY BASED ON DETECTED LOCATION AND PREFERENCES

Abstract: A vehicle control system can determine a location of the vehicle and evaluate laws and rules of the location to determine if changes to an instrument display are required. The vehicle control system can automatically configure the instrument display for the location. The vehicle control system can image and translate traffic signs in the location. The vehicle control system can also determine if the location is associated with an interruption of a communication network, identify an alternate communication network, and automatically transfer to the alternate communication network. An alert may be generated by the vehicle control system that includes information related to traffic rules, languages, and communication networks of the location that are different than a previous location of the vehicle.

Classifications:**International (IPC 8-9):** B60K35/00 (Advanced/Invention)

CPC: B60Q1/00 B60Q1/52 B60R16/037 B60R16/0373 B60R25/00 B60R25/1004 B60W40/09 B60W50/08 B60W50/10 B60W2040/0809 B60W2540/00 B60W2540/12 B60W2540/18 B60W2540/30 G01C21/00 G01C21/26 G01C21/34 G01C21/36 G01C21/3647 G01C21/3691 G05D1/0212 G05D23/1917 G06F3/016 G06F3/0481 G06F3/04842 G06F3/0488 G06F8/65 G06F17/28 G06F17/30247 G06F17/30557 G06F17/30864 G06F21/00 G06F21/31 G06F21/32 G06K9/00255 G06K9/00268 G06Q10/00 G06Q10/02 G06Q10/20 G06Q20/145 G06Q30/00 G06Q30/012 G06Q30/0265 G06Q30/0633 G06Q30/0639 G06Q30/0645 G06Q50/30 G07C5/00 G07C5/008 G07C5/02 G07C5/085 G07C9/00126 G08B13/19647 G08B21/0205 G08B25/016 G08G1/0965 G08G1/166 H04L63/08 H04L67/10 H04L67/12 H04L67/26 H04N7/181 H04N21/214 H04N21/2181 H04N21/25841 H04N21/41422 H04N21/4542 H04N21/4751 H04W4/046 H04W4/12 H04W12/06 H04W36/0005 H04W36/32 H04W36/34 H04W48/02 H04W48/04 H04W84/005 H05K999/00 B60R25/01 B60K35/00 G08G1/01 G07C5/0808 B60R11/04 G06F3/0622 G06F3/0637 G06F3/0673 G06F17/30528 G06K9/00288 G06K9/00838 A61B5/0077 A61B5/4809 A61B5/6808 A61B5/7405 A61B5/742 A61B7/04 A61B2503/04 B60W40/08 B60W2040/0881 G08G1/096725 B60R25/20 B60R25/2081 B60R25/257 G01C21/206 G01C21/3641 G01S19/42 G05D1/0016 G06F17/30203 G06F2203/04803 G06K9/00335 G08B21/06 G08B29/188 G08G1/07 G08G1/096741 G08G1/096775 H04L67/306 H04W12/08 G05D1/0027 H04N21/2265 H04N21/2393 H04N21/25816 H04N21/43615 H04N21/43637 H04N21/454 H04N21/6408 H04N21/64322 B60R25/102 B60R25/25 G01C21/3629 G01C21/365 G01C21/3667 G01C21/3697 B60K2350/1004 B60K2350/1056 B60K2350/352 B60K2350/965 G06F3/04886 G09G5/37 G09G2354/00 G09G2380/10 H04L51/02 H04L67/34 H04W4/021 G01C21/28 G01C21/3446 G01C21/3476 G01C21/3484 G01C21/3617 G06Q30/0266 H04L63/0428 H04L63/102 B60K2350/1052 G06F3/013 G06F3/0482 B60C1/00 G05D1/0022 G08G1/207 H04W84/18 B60W50/085 B60W2050/146 G06Q30/0641 G07C5/006 G07C9/00158 G08B21/18 B60Q9/00 G01C21/3415 G06K9/00355 G06K9/00832 G06K2009/00939 G05D1/021 G05D1/0276 G08G1/0968 G08G1/096805 G08G1/096844 G08G1/164 H04N21/2225 G02B27/0093 G06K9/00221 H04W4/04 G01C21/362 G08G1/096811 H04W4/21 H04W4/60 H04W4/70 H04W4/80 H04W76/11 H04W76/19 G06F3/017 G06F9/451 G06F3/167 G06F17/3056 H04L63/0236 H05K999/99

US: 701/36**Family:**

Publication number	Publication date	Application number	Application date
US2016082839 AA	20160324	US20150863257	20150923

Priority:

US20120420236	20120314	US20120420240	20120314	US20120462593	20120502
US20120462596	20120502	US20120678673	20121116	US20120678691	20121116
US20120678699	20121116	US20120678710	20121116	US20120678722	20121116
US20120678726	20121116	US20120678735	20121116	US20120678745	20121116
US20120678753	20121116	US20120678762	20121116	US20120679459	20121116
US20120679234	20121116	US20120679412	20121116	US20120679441	20121116
US20120679476	20121116	US20120679306	20121116	US20120679369	20121116
US20120679443	20121116	US20120679292	20121116	US20120679400	20121116
US20120678773	20121116	US20120679204	20121116	US20120679350	20121116
US20120679358	20121116	US20120679363	20121116	US20120679368	20121116
US20120679857	20121116	US20120679878	20121116	US20120679875	20121116
US20120679676	20121116	US20120679864	20121116	US20120679815	20121116
US20120679680	20121116	US20120679887	20121116	US20120679842	20121116
US20130840240	20130315	US20130811981P	20130415	US20130865954P	20130814
US20130870698P	20130827	US20130891217P	20131015	US20130904205P	20131114
US20140924572P	20140107	US20140926749P	20140113	US20140253022	20140415
US20150863257	20150923				

Probable Assignee:

AUTOCONNECT HOLDINGS LLC

Assignee(s): (std):

AUTOCONNECT HOLDINGS LLC

Assignee(s):

FLEXTRONICS AP LLC

Inventor(s): (std):

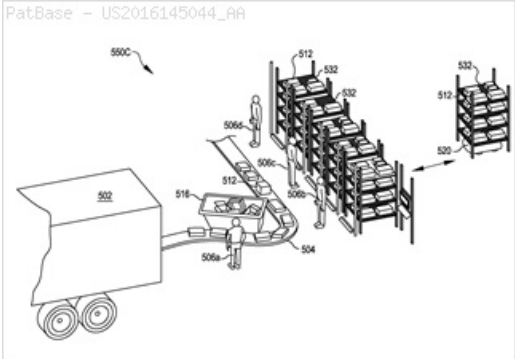
RICCI CHRISTOPHER P

Title: INVENTORY SYSTEM WITH EFFICIENT OPERATOR HANDLING OF INVENTORY ITEMS

Abstract: An inventory system can receive a receipt receptacle from a shipping vehicle. The receipt receptacle can be moved to a case shuttle without separating or sorting inventory items in the receipt receptacle. A mobile drive unit can move the case shuttle to a receiving station, where the receipt receptacle can be removed and where the inventory items can be stowed in a pickable inventory holder. A mobile drive unit can move the pickable inventory holder to an order-compiling station, where inventory items can be picked from the inventory holder into order receptacles. A mobile drive unit can move an order shuttle carrying order receptacles with completed orders to a shipping station, where the completed order receptacles can be transferred to a shipping vehicle.

Classifications:

International (IPC 8-9): B65G1/137 G05B15/02 G05D1/02 G06F7/00 G06Q10/08 (Advanced/Invention)
CPC: B65G1/1373 G05B15/02 B65G2209/06 B65G2209/08 G06Q10/087 G06Q10/083 B65G1/137 B65G1/1378 H05K999/99
US: 1/1 700/216 700/218



Family:

Publication number	Publication date	Application number	Application date
US2016145044 AA	20160526	US20140552309	20141124
US2016145045 AA	20160526	US20140552334	20141124
US2018072499 AA	20180315	US20170791332	20171023
US9475639 BB	20161025	US20140552309	20141124
US9809384 BB	20171107	US20140552334	20141124
WO16086018 A1	20160602	WO2015US62481	20151124

Priority:

US20140552309 20141124 US20140552334 20141124 US20170791332 20171023

Probable Assignee: AMAZON TECHNOLOGIES INC

Assignee(s): (std): AMAZON TECH INC

Assignee(s): AMAZON TECHNOLOGIES INC

Inventor(s): (std): AMBROGI ROBERT RAYMOND ; BRAGG TIMOTHY AARON ; DECKER MICHAEL HARRISON ; DURHAM JOSEPH W ; ENRIGHT JOHN JOSEPH ; HORVATH IBOLYA ; MOUNTZ MICHAEL CORDELL ; NICE ERYK BRIAN ; SCHECHTER JONATHAN HARRIS ; WURMAN PETER R

Agent(s): KILPATRICK TOWNSEND AND STOCKTON LLP; WYLIE ROGER D 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: ROBOTIC GRASPING OF ITEMS IN INVENTORY SYSTEM

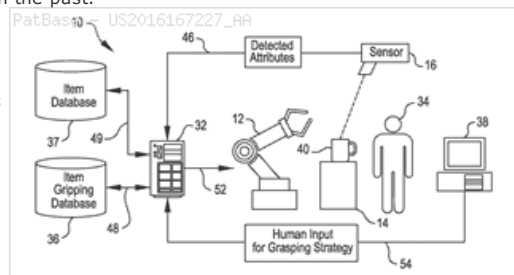
Abstract: Robotic arms or manipulators can be utilized to grasp inventory items within an inventory system. Information about an item to be grasped can be detected and/or accessed from one or more databases to determine a grasping strategy for grasping the item with a robotic arm or manipulator. For example, one or more accessed databases can contain information about the item, characteristics of the item, and/or similar items, such as information indicating grasping strategies that have been successful or unsuccessful for such items in the past.

Classifications:

International (IPC 8-9): B25J13/08 B25J9/00 B25J9/16 B65G1/04 B65G1/10 B65G1/137 G06Q10/08 (Advanced/Invention); B65G1/137 (Advanced/Non-invention)

CPC: Y10S901/09 Y10S901/03 Y10S901/47 Y10S901/31 B65G1/1378 G05B2219/39473 B25J9/1697 B25J9/0084 B65G1/0492 B65G1/10 B25J9/1664 Y10S901/30 B25J9/1612 G05B2219/39536 G06Q10/087 G05B2219/39468 G05B2219/39543 G05B2219/39546 G06Q10/08 B25J9/1602 B25J9/1669

US: 700/218 700/259 901/3 901/31 901/47 901/9

**Family:**

Publication number	Publication date	Application number	Application date
CN107000208 A	20170801	CN201580068446	20151214
EP3234880 A1	20171025	EP20150820396	20151214
IN201717021015 A	20171201	IN201717021015	20170615
JP2018504333 T2	20180215	JP20170531491T	20151214
US2016167227 AA	20160616	US20140572332	20141216
US2016167228 AA	20160616	US20140572420	20141216
US2017021499 AA	20170126	US20160289864	20161010
US2017106532 AA	20170420	US20160391692	20161227
US2018141211 AA	20180524	US20180865067	20180108
US9492923 BB	20161115	US20140572420	20141216
US9561587 BB	20170207	US20140572332	20141216
US9868207 BB	20180116	US20160289864	20161010
US9873199 BB	20180123	US20160391692	20161227
WO16100235 A1	20160623	WO2015US65628	20151214

Priority:

US20140572332 20141216 US20140572420 20141216 WO2015US65628 20151214
US20160289864 20161010 US20160391692 20161227 US20180865067 20180108

Probable Assignee: AMAZON TECHNOLOGIES INC

Assignee(s): (std): AMAZON TECH INC

Assignee(s): AMAZON TECHNOLOGIES INC

Inventor(s): (std): ARONCHIK BORIS ; CLARETTI ENNIO ; LONGTINE JOHN GREGORY ; SHYDO JR ROBERT MICHAEL ; SHYDO ROBERT MICHAEL JR ; STUBBS ANDREW ; VERMINSKI MATTHEW DAVID ; WALTHAM ANDREW STUBBS ; WELLMAN PARRIS S

Agent(s): EIP; KILPATRICK TOWNSEND AND STOCKTON LLP; WYLIE ROGER 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 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: MANAGEMENT OF INVENTORY ITEMS

Abstract: In some examples, a reader system is provided for managing inventory items in an inventory system. The reader system may be configured to read tags associated with items stowed in an inventory holder. The inventory holder may be detachably coupled to a mobile drive unit. The mobile drive unit may move the inventory holder to a first position near an antenna of the reader system and the tags may begin to be read. While reading or at other times in the reading process, the mobile drive unit may move the inventory holder relative to the antenna. The identified tags may be compared to a manifest list of items expected to be stowed in the inventory holder.

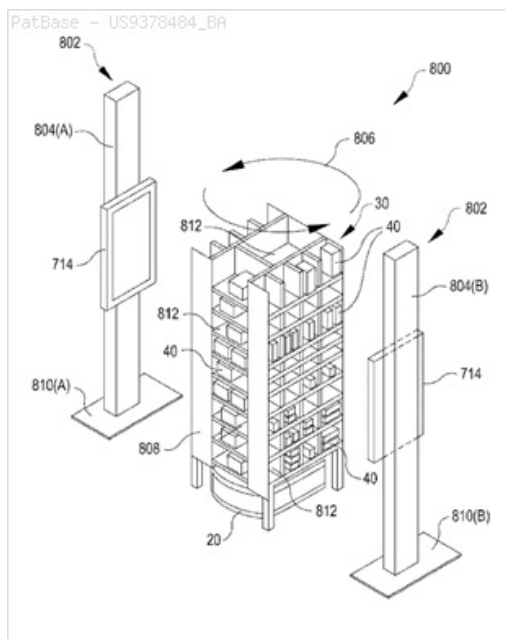
Classifications:

International (IPC 8-9): G06F19/00 G06K19/077 G06K7/10

G06Q10/08 G06Q30/00 G06Q90/00 (Advanced/Invention)

CPC: G06K7/10356 G06Q10/087 G06Q10/0875 G06K19/07758
G06K7/10099

US: 1/1

**Family:**

Publication number	Publication date	Application number	Application date
US9378484 BA	20160628	US20140558568	20141202
US9400971 BA	20160726	US20140558603	20141202
US9613338 BA	20170404	US20160181360	20160613
US9928481 BA	20180327	US20160184952	20160616

Priority:

US20140558568 20141202 US20140558603 20141202 US20160181360 20160613
US20160184952 20160616

Probable Assignee: AMAZON TECHNOLOGIES INC

Assignee(s): (std): AMAZON TECH INC

Assignee(s): AMAZON TECHNOLOGIES INC

Inventor(s): (std): LAUKA WESLEY SCOTT ; PHILLIPS JONATHAN DAVID ; RUSSELL RYAN SCOTT ; RYLE THOMAS
MATTHEW ; WOOD JAMES HOLLIS

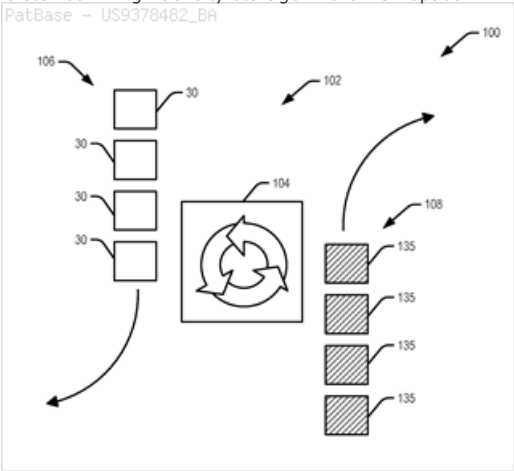
Agent(s): KILPATRICK TOWNSEND AND STOCKTON LLP

Title: EXCHANGE OF CONTAINERS

Abstract: A container exchange station is provided in connection with a workspace of an inventory system. At the container exchange station, containers are exchanged between container holders and container shuttles. The container holders are configured to hold one or more containers having consolidated inventory items in high density storage. The container shuttles are also configured to hold one or more containers for performing other operations with respect to inventory items in the one or more containers. The containers are configured to hold inventory items while the inventory items move for various operations throughout the workspace and while the inventory items are stowed in high density storage in the workspace.

Classifications:

International (IPC 8-9): B65G1/04 B65G1/10 B65G1/137 G01C22/00
G05D1/00 G06Q10/08 G06Q30/06 (Advanced/Invention)
CPC: G06Q30/0635 G05D1/0297 G05D2201/0216 B65G1/1378
B65G1/0492 B65G1/10 G06Q10/087 H05K999/99
US: 1/1



Family:

Publication number	Publication date	Application number	Application date
US9378482 BA	20160628	US20150657690	20150313
US9802762 BA	20171031	US20160182435	20160614

Priority:

US20150657690 20150313 US20160182435 20160614

Probable Assignee: AMAZON TECHNOLOGIES INC

Assignee(s): (std): AMAZON TECH INC

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Inventor(s): (std): AALUND MARTIN PETER ; BATTLES JON STUART ; BRAZEAU JEREMIAH ; JOCHIM JAYSON MICHAEL ;
LEE FEI HOAI ; LISSO GREGORY KARL ; PIKLER TAMAS ; UHLMAN SAMUEL CHRISTOPHER

Agent(s): KILPATRICK TOWNSEND AND STOCKTON LLP

Title: AUTOMATED DETERMINATION AND ALLOCATION OF USER SOURCED PARKING SPACE

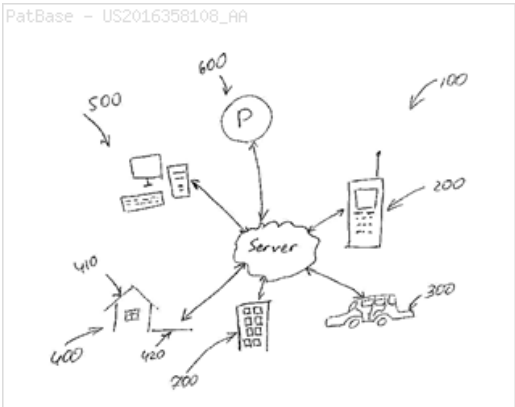
Abstract: The disclosure is directed to systems and methods for providing location and time based parking space. Specifically, the disclosure is directed to systems and methods for providing a user-coordinated, temporospatial-specific parking space.

Classifications:

International (IPC 8-9): G06Q10/02 G08B13/22 G08G1/14
H04L12/16 H04L9/32 (Advanced/Invention)

CPC: G06Q10/02

US: 705/5



Family:

Publication number	Publication date	Application number	Application date
CA2919387 AA	20160801	CA20162919387	20160201
US2016358108 AA	20161208	US20160012161	20160201

Priority:

US20150110598P 20150201 US20160012161 20160201

Probable Assignee:

LEVIN ALEX

Assignee(s): (std):

LEVIN ALEX ; SADOVSKY ALEX

Inventor(s): (std):

LEVIN ALEX ; SADOVSKY ALEX

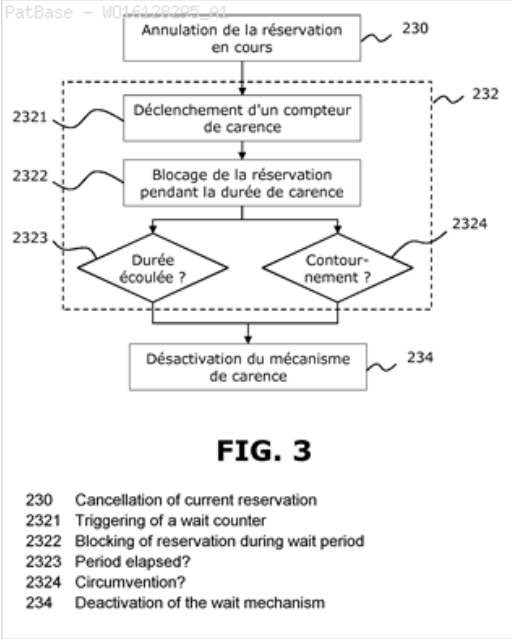
Agent(s):

INTEGRAL IP

Title: MANAGEMENT OF VEHICLE RESERVATIONS AND/OR PARKING SPACES WITH A WAIT PERIOD

Abstract: The invention relates to the field of automated vehicle rentals, e.g. electric and non-electric cars and bikes. More specifically, the invention relates to a method for managing service reservations in an automated rental facility comprising a plurality of rental vehicles and a plurality of rental sites distributed geographically, each rental site comprising one or more parking spaces that can receive a rental vehicle. In the event of a service reservation for a user being cancelled (230), the method of the invention comprises: a step (232) of activating a wait mechanism, said wait mechanism activation step including a sub-step (2321) of triggering a wait counter configured to generate a pre-determined wait period, and a sub-step (2322) of preventing the user from making a new service reservation during the wait period; and a step (234) of deactivating the wait mechanism at the end of the wait period, such as to allow the user to make a new service reservation.

Classifications:
International (IPC 8-9): G06Q10/02 G06Q10/06 (Advanced/Invention)
CPC: G06Q10/02



Family:

Publication number	Publication date	Application number	Application date
FR3032819 A1	20160819	FR20150051235	20150213
FR3032819 B1	20180309	FR20150051235	20150213
WO16128295 A1	20160818	WO2016EP52432	20160204

Priority:

FR20150051235 20150213

Probable Assignee: BLUECARSHARING

Assignee(s): (std): BLUECARSHARING

Inventor(s): (std): HUGLA GUILLAUME

Inventor(s): GUILLAUME HUGLA

Agent(s): PONTET ALLANO AND ASSOCIES

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: SHOPPING FACILITY ASSISTANCE SYSTEMS, DEVICES AND METHODS PERTAINING TO MOVEMENT OF A MOBILE RETAIL PRODUCT DISPLAY

Abstract: A motorized transport unit is configured to temporarily attach to a mobile retail product display and a central computer system is configured to task that motorized transport unit to move such a mobile retail product display. This movement can be from a customer-inaccessible area to a customer-accessible area and/or vice versa. The mobile retail product displays can include refrigerated-product displays and heated-product displays. By one approach such tasking is based, at least in part, upon detecting one or more predetermined states such as a predetermined temporal state, a detected customer demographic, local weather conditions, and/or a societal observation.

Classifications:

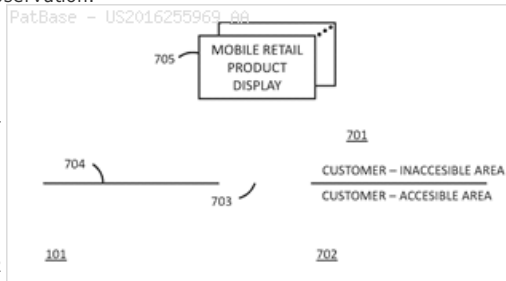
International (IPC 8-9): A47F10/04 A47F13/00 A47F3/08 A47L11/40 A61G5/04 B07C5/00 B07C5/28 B07C5/342 B25J5/00 B60K1/00 B60K1/02 B60L11/18 B60L15/40 B60P3/06 B61B5/00 B62B3/00 B62B3/04 B62B3/14 B62B5/00 B65F3/00 B65G1/00 B65G1/02 B65G1/04 B65G43/08 B65G47/00 B65G47/46 B65G67/04 B65G67/24 B66F9/06 E01H5/06 E01H5/12 E04H3/02 G01C21/20 G01C21/34 G01S1/02 G01S1/70 G01S1/72 G01S5/16 G05B15/02 G05B19/048 G05B19/418 G05D1/00 G05D1/02 G05D1/04 G06F3/01 G06K9/00 G06K9/18 G06K9/32 G06K9/62 G06K9/78 G06Q10/00 G06Q10/02 G06Q10/06 G06Q10/08 G06Q10/10 G06Q30/00 G06Q30/02 G06Q30/06 G06Q50/28 G06Q50/30 G06T7/00 G06T7/593 G06T7/73 G08B13/196 G08G1/00 G10L13/04 G10L15/22 G10L15/26 G10L17/22 H02J7/00 H04B10/116 H04L29/08 H04N13/02 H04N19/80 H04N5/77 H04N7/18 H04W4/00 H04W4/02 H04W4/04 (Advanced/Invention); A47F10/00 A47F10/02 G05B19/12 G05D1/02 G06F17/30 G06K7/10 G06K7/14 G06K9/62 G06Q30/00 G10L15/22 H04B1/38 (Advanced/Non-invention)

CPC: A47F3/08 G06Q10/06311 G05D1/0088 G06Q30/0619 G06Q30/0633 G06Q30/0613 G05D1/0276 G06Q30/0601 G06Q50/30 G06Q50/28 G06Q10/02 G06Q30/0281 H04W4/043 G06Q30/0605 H04N5/77 B62B5/0069 G06Q30/0635 B62B5/0076 E01H5/061 E01H5/12 Y10S901/01 G01S1/02 G01S1/70 G01S1/72 G06Q30/0631 H04N7/181 A61G5/047 G06Q10/0833 A47F10/04 G05B19/41895 G06Q10/30 G06Q10/08 G06Q30/06 G06Q10/083 G06T7/0004 B60P3/06 G06Q30/0617 G06Q30/0639 B62B3/00 B65G1/0492 G06Q10/06315 G06Q10/1095 A47F2010/025 G06Q10/047 G01C21/34 G10L15/265 G06Q30/0607 G06Q10/00 G06Q10/06 G06T7/0044 G06T7/0075 G05D1/021 G05D1/0261 B66F9/00 G05D1/0011 G06Q30/016 G05D1/0274 G05D1/0246 H04L65/1069 G06K9/00664 G06T7/0002 G05B15/02 B07C5/00 G05D1/02 B62B3/1492 B62B5/0033 B62B5/0026 G06K9/6201 G05D1/0094 G06Q10/087 G05D1/0287 G05D1/028 G05D2201/0212 B62B3/1404 B65G47/00 G05D2201/0216 G05D1/0016 H04N7/183 Y02W30/82 Y02W30/827 Y02W90/20 A47F13/00 A47F2010/005 A47L11/4011 A47L2201/04 B07C5/28 B07C5/3422 B07C2501/0045 B07C2501/0054 B07C2501/0063 B60L11/1833 B60L11/1844 B60Y2410/10 B65F3/00 B65F2210/168 G05B19/048 G05B19/124 G05B2219/23363 G05B2219/39107 G05D1/0022 G05D1/0027 G05D1/0061 G05D1/0214 G05D1/0219 G05D1/0234 G05D1/0255 G05D1/0289 G05D1/0291 G05D1/0293 G05D1/0297 G05D1/04 G05D2201/0203 G06F3/017 G06F17/30979 G06K7/10297 G06K7/10821 G06K7/1413 G06K9/00208 G06K9/00671 G06K9/00711 G06K9/00771 G06K9/00791 G06K9/00805 G06K9/18 G06K9/3208 G06K9/6256 G06K9/78 G06K2009/00738 G06T7/593 G06T7/74 G06T2207/10028 G08G1/20 G10L13/043 G10L15/22 G10L17/22 G10L2015/223 H02J7/0027 H02J2007/0096 H04B1/38 H04B10/116 H04L67/12 H04L67/141 H04L67/143 H04N7/18 H04N7/185 H04N13/0282 H04W4/008 H04W4/02 H04W4/30 B66F9/063 G06Q30/0641 H04W4/80 H04N13/282 G01C21/206 G01S5/16 H05K999/99

US: 320/107 348/50 701/117 701/2 701/23 701/300 701/36 701/426 701/533 705/26.2 705/26.41 705/26.7 705/26.81 705/26.9 705/330 705/7.13 709/228

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Probable Assignee: WALMART APOLLO LLC

Assignee(s): (std): WAL MART STORES INC ; WALMART APOLLO LLC

Assignee(s): WINKLE DAVID ; WINKLE DAVID C ; TAYLOR ROBERT C ; WELCH ERIC ; MCHALE BRIAN G ; THOMPSON JOHN P ; WELCH ERIC E ; ATCHLEY MICHAEL D ; CHAKROBARTTY SHUVRO ; HIGH DONALD R ; KAY KARL

Inventor(s): (std): ATCHLEY MICHAEL D ; BRIAN G MCHALE ; BRIAN G MICHALE ; BRIAN MCHALE ; CHAKROBARTTY SHUVRO ; DAVID C WINKLE ; DAVID WINKLE ; DONALD R HIGH ; ERIC E WELCH ; HIGH DONALD R ; JOHN P THOMPSON ; KAY KARL ; MCHALE BRIAN G ; MICHAEL ATCHLEY ; MICHAEL DEAN ATCHLEY ; ROBERT C TAYLOR ; SHUVRO CHAK ROBARTTY ; SHUVRO CHAKROBARTTY ; TAYLOR ROBERT C ; THOMPSON JOHN P ; WELCH ERIC ; WELCH ERIC E ; WINKLE DAVID ; WINKLE DAVID C ; MICHAEL D ATCHLEY ; KARL KAY ; ERIC WELCH ; DONALD HIGH

Agent(s): DEETH WILLIAMS WALL LLP; FITCH EVEN TABIN AND FLANNERY LLP; MENGHINI SCOTT J ET AL

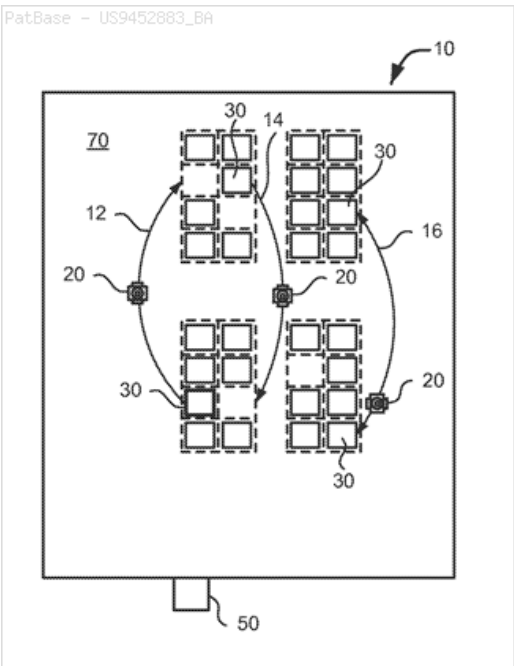
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Title: RE-ARRANGE STORED INVENTORY HOLDERS

Abstract: Inventory holders in an inventory system can be moved among differing storage positions. The moves can be performed by mobile drive units not otherwise transporting inventory holders directly to or from inventory stations. A free mobile drive unit can move an inventory holder not likely to be useful soon at any nearby station from a storage position near the station to a position farther away from the station. A mobile drive unit can move an inventory holder likely to be useful soon from a storage position farther away from one or more stations to a storage position nearby one or more stations.

Classifications:

International (IPC 8-9): B65G1/04 B65G1/10 B65G1/137 G05B13/02 G05B15/02 G05D1/02 G06F7/00 G06Q10/08 (Advanced/Invention)
CPC: B65G1/137 G05B13/026 B65G1/0492 B65G1/10 G05D1/0287 G05D2201/0216 G06Q10/087 H05K999/99
US: 1/1



Family:

Publication number	Publication date	Application number	Application date
US9452883 BA	20160927	US20140499047	20140926
US9663295 BA	20170530	US20160099531	20160414
US9694976 BA	20170704	US20160385766	20161220

Priority:

US20140499047 20140926 US20160099531 20160414 US20160385766 20161220

Probable Assignee: AMAZON TECHNOLOGIES INC

Assignee(s): (std): AMAZON TECH INC

Assignee(s): AMAZON TECHNOLOGIES INC

Inventor(s): (std): BRAZEAU JEREMIAH DAVID ; DURHAM JOSEPH W ; ENRIGHT JOHN JOSEPH ; FARWAHA PARDEEP SINGH ; GLAZKOV ALEX ; HOLCOMB JARED BRIAN ; HOLT RYAN ALEXANDER ; WURMAN PETER R

Agent(s): KILPATRICK TOWNSEND AND STOCKTON LLP; KILPATRICK TOWNSEND AND STOCKTON

Title: MOBILE RFID READING SYSTEMS

Abstract: In some examples, an autonomous mobile reading device is provided. The autonomous mobile reading device may include an autonomous movement device and a radio-frequency identification (RFID) reader. The RFID reader may be configured to read, via one or more antennas, RFID tags associated with inventory items. The one or more antennas may be included as part of the autonomous mobile reading device, within an inventory holder, or in some other structure or device.

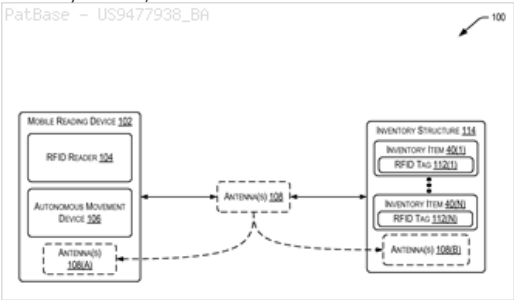
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G06Q10/08 G06Q30/00 G06Q90/00 (Advanced/Invention)

CPC: G06Q10/087 G06K7/10386 G06K19/07758

US: 1/1



Family:

Publication number	Publication date	Application number	Application date
US9477938 BA	20161025	US20140559557	20141203
US9922306 BA	20180320	US20160284395	20161003

Priority:

US20140559557 20141203 US20160284395 20161003

Probable Assignee: AMAZON TECHNOLOGIES INC

Assignee(s): (std): AMAZON TECH INC

Assignee(s): AMAZON TECHNOLOGIES INC

Inventor(s): (std): HAZLEWOOD WILLIAM R ; KELLY JUSTIN DAVID ; LAUKA WESLEY SCOTT ; PHILLIPS JONATHAN DAVID ; RUSSELL RYAN SCOTT ; RYLE THOMAS MATTHEW

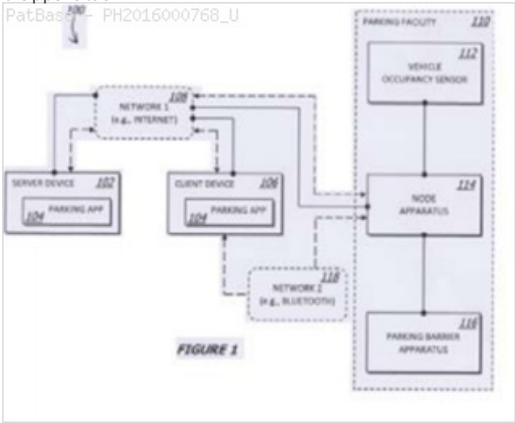
Agent(s): KILPATRICK TOWNSEND AND STOCKTON LLP

Title: A VEHICLE PARKING ACCESS CONTROL SYSTEM

Abstract: A system is provided for controlling vehicle access to parking spaces at any given parking facility. The system includes a parking management application running on a client device and rendering a parking space reservation service. An access grant signal containing an access code can be generated using the parking space reservation service, and can be transmitted from the client device to a node apparatus in the parking facility preferably through Bluetooth connection. The node apparatus may cause a parking barrier apparatus in the parking facility to permit a vehicle with which the access code is associated to access a parking space in the same parking facility. The permission to access the parking space may be granted only upon successful validation of the access code by the node apparatus.

Classifications:

International (IPC 8-9): G06F17/30 H04L29/06 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
PH2016000768 U	20161028	PH20160000768U	20160928
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Priority:

PH20160000768U 20160928

Probable Assignee: BAYLOSIS KENNETH JOSEPH VON C

Assignee(s): (std): BAYLOSIS KENNETH JOSEPH VON C ; YBANEZ EDDIE F ; JOSEPH CUENCO ERIC

Assignee(s): CUENCO ERIC JOSEPH

Inventor(s): (std): BAYLOSIS KENNETH JOSEPH VON C ; YBANEZ EDDIE F ; JOSEPH CUENCO ERIC

Inventor(s): CUENCO ERIC JOSEPH

Agent(s): TUNDAYAG EDMAR A

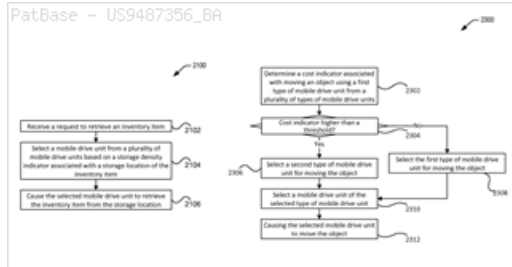
Title: MANAGING LOW-FREQUENCY INVENTORY ITEMS IN A FULFILLMENT CENTER

Abstract: The disclosed inventory system and methods can be used to improve access time to less frequently accessed inventory items. Specifically, a mobile drive unit may be selected from a plurality of mobile drive units to retrieve or store an inventory item based on a density of the storage location of the inventory item and/or an estimated cost (e.g., estimated time) associated with the retrieval or storage of the inventory item. For instance, an overhead drive unit may be selected over a ground drive unit to retrieve inventory items from or store inventory items to densely-packed storage areas. As another example, an overhead drive unit may be selected over a ground drive unit when the cost of using the ground drive unit exceeds a threshold value.

Classifications:

International (IPC 8-9): B64C39/02 B65G1/04 B65G1/137 B65G1/16 G05B15/02 G06Q10/08 (Advanced/Invention); B64C39/02 B65G1/04 (Advanced/Non-invention)

CPC: B65G1/1371 G05B15/02 G06Q10/087 G05D2201/0216 B65G1/1375 G05D1/102 B65G1/16 B65G1/137 B64C39/024 B65G1/0464 B65G1/1373 H05K999/99

**Family:**

Publication number	Publication date	Application number	Application date
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US9714139 BA	20170725	US20160267063	20160915

Priority:

US20150635964 20150302 US20160267063 20160915

Probable Assignee:

AMAZON TECHNOLOGIES INC

Assignee(s): (std):

AMAZON TECH INC

Assignee(s):

AMAZON TECHNOLOGIES INC

Inventor(s): (std):

AGGARWAL AAYUSH

Agent(s):

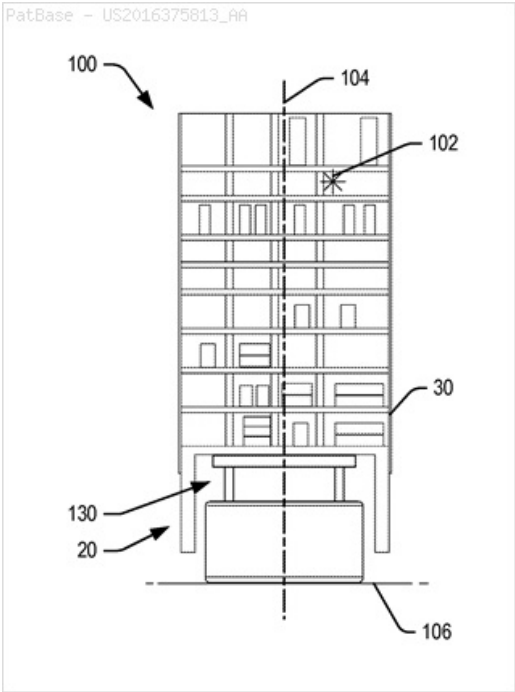
KILPATRICK TOWNSEND AND STOCKTON LLP

Title: TILTING PLATFORM FOR STABILITY CONTROL

Abstract: A mobile drive unit including a docking head assembly is provided. The docking head assembly is configured with two or more actuator assemblies to lift an inventory holder and tilt the inventory holder in two or more directions. The direction of tilt and an associated angle may be determined based on a location of a center of gravity of the inventory holder relative to the mobile drive unit. The direction of tilt and the associated angle may also be determined based on information describing external forces acting on the inventory holder.

Classifications:

International (IPC 8-9): A47F5/00 B60P1/02 B66F9/065 G06F7/00 G06Q10/08 (Advanced/Invention); G05D1/02 (Advanced/Non-invention)
CPC: B60P1/02 G06Q10/087 A47F5/0018 B66F9/065 G05D1/021 H05K999/99
US: 211/85.8 414/495



Family:

Publication number	Publication date	Application number	Application date
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IN201717047128 A	20180223	IN201717047128	20171228
US2016375813 AA	20161229	US20150750676	20150625
US2017136931 AA	20170518	US20170418540	20170127
US9586510 BB	20170307	US20150750676	20150625
US9731641 BB	20170815	US20170418540	20170127
WO16209965 A1	20161229	WO2016US38768	20160622

Priority:

US20150750676 20150625 WO2016US38768 20160622 US20170418540 20170127

Probable Assignee: AMAZON TECHNOLOGIES INC

Assignee(s): (std): AMAZON TECH INC ; AMAZON TECHNOLOGIES INC

Inventor(s): (std): COLANTONIO PETER THOMAS ; KATZ ALLAN ANDREW ; WELLMAN PARRIS S

Agent(s): SPRUSON AND FERGUSON; EIP; KILPATRICK TOWNSEND AND STOCKTON LLP; WYLIE ROGER D 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 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: COMPUTER-IMPLEMENTED SYSTEM FOR MODELING AN ALLOCATED RESOURCE

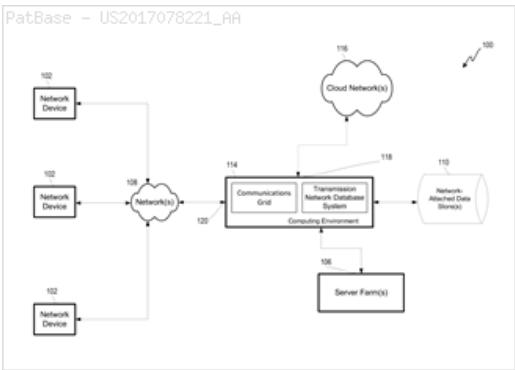
Abstract: Exemplary embodiments are generally directed to methods, mediums, and systems for accounting for extensions or reductions of the period for which a resource (e.g., computer processor time, scientific apparatus, storage units, devices, etc.) is allocated. According to exemplary embodiments, allocation-based aggregated effects of extension and relinquishment are modeled. The modeled effects are used to offset allocation forecasts based on historical data. As a result, the dimensionality of the problem of incorporating in-house data is greatly reduced as compared to other techniques, and allocation forecasts can be made more accurately and efficiently.

Classifications:

International (IPC 8-9): G06Q10/04 G06Q10/06 G06Q30/02 H04L12/911 (Advanced/Invention)

CPC: G06Q10/04 G06Q10/06 G06Q10/0631 G06Q30/0202 G06Q10/06312 H04L47/823 H05K999/99

US: 709/226



Family:

Publication number	Publication date	Application number	Application date
US2017078221 AA	20170316	US20160264256	20160913
US9805324 BB	20171031	US20160264256	20160913

Priority:

US20150219314P 20150916 US20160264256 20160913

Probable Assignee: SAS INST INC

Assignee(s): (std): SAS INST INC

Inventor(s): (std): BALIKCIOGLU METIN ; CHEN FENG ; DING BINGFENG ; SANLI TUGRUL ; SCOTT KEVIN L ; YAO XIAODONG

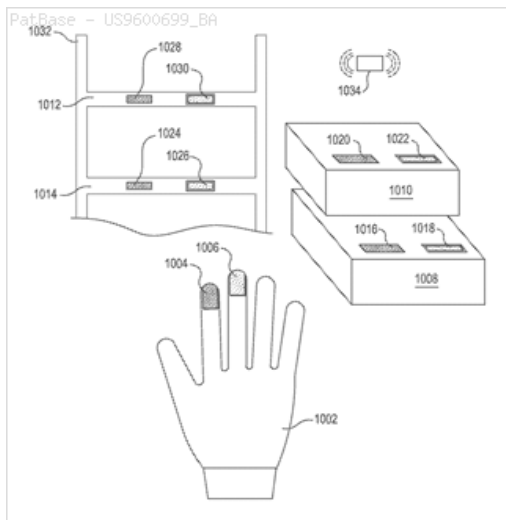
Title: WEARABLE TUNING SURFACES FOR ACTIVATING RFID BUTTONS OR CONTROLS

Abstract: An inventory system can include radio frequency identification (RFID) tags and RFID tuners that can be brought into interacting proximity with one another to provide input or other information about the location or other condition of movable elements within the inventory system. A wearable accessory that is wearable by a human operator can include RFID tuners thereon for interacting with RFID tags on other elements of the inventory system in order to communicate details about the elements and facilitate functions of the inventory system.

Classifications:

International (IPC 8-9): G05B19/00 G05B23/00 G06K7/10
G06Q10/08 H04Q5/22 (Advanced/Invention)

CPC: G06K7/10366 G08C17/02 H01H9/167 H01H2300/032 H04Q9/00
H04Q2209/47 G06K7/10297 G06Q10/087 G06K7/10396

**Family:**

Publication number	Publication date	Application number	Application date
US9600699 BA	20170321	US20140570885	20141215
US9953290 BA	20180424	US20170431541	20170213

Priority:

US20140570885 20141215 US20140570999 20141215 US20170431541 20170213

Probable Assignee: AMAZON TECHNOLOGIES INC

Assignee(s): (std): AMAZON TECH INC

Assignee(s): AMAZON TECHNOLOGIES INC

Inventor(s): (std): LAUKA WESLEY SCOTT ; RUSSELL RYAN SCOTT

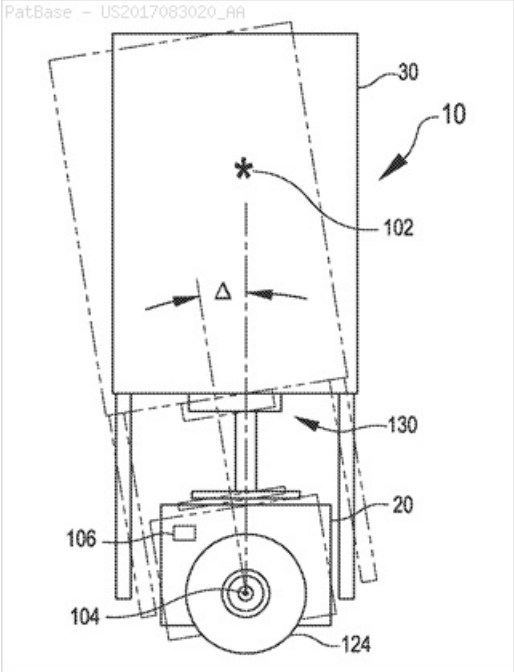
Agent(s): KILPATRICK TOWNSEND AND STOCKTON LLP

Title: ACTIVELY BALANCED MOBILE DRIVE UNIT

Abstract: An inventory system includes an inventory holder and an actively balanced mobile drive unit. A control module of the mobile drive unit can receive sensing information about the inventory holder and/or the mobile drive unit and use the sensing information to control a drive module of the mobile drive unit so as to maintain the inventory holder and/or the mobile drive unit within a predetermined deviation amount from an equilibrium state.

Classifications:

International (IPC 8-9): B25J5/00 B60P1/02 B65G63/00 B66F9/06 G05D1/00 G05D1/02 G06Q10/08 (Advanced/Invention)
CPC: G05D1/021 B65G63/002 B60P1/02 G05D1/0088 B25J5/007 B66F9/063 G05D2201/0216 G06Q10/087 G05D1/0297 G05D1/0891
US: 701/23



Family:

Publication number	Publication date	Application number	Application date
CN108140160 A	20180608	CN201680055098	20160922
US2017083020 AA	20170323	US20150863263	20150923
WO17053626 A1	20170330	WO2016US53196	20160922

Priority:

US20150863263 20150923 WO2016US53196 20160922

Probable Assignee: AMAZON TECHNOLOGIES INC

Assignee(s): (std): AMAZON TECH INC

Assignee(s): AMAZON TECHNOLOGIES INC

Inventor(s): (std): COLANTONIO PETER THOMAS ; GUERIN DAVID WILLIAM ; MANSFIELD PETER K ; MESSINA MARK ANTHONY ; PAJEVIC DRAGAN ; PURWIN OLIVER CHRISTOPH ; SHYDO JR ROBERT MICHAEL ; TRENHOLME KEVIN JOHN ; WELLMAN PARRIS S

Agent(s): WYLIE ROGER D ET AL

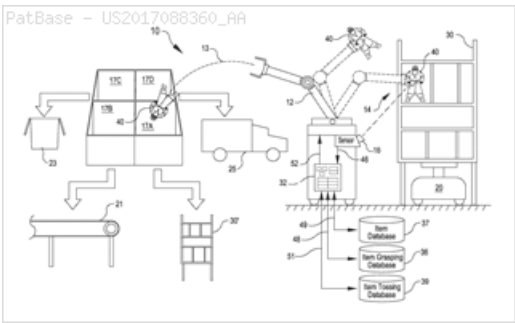
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW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

Abstract: Robotic arms or manipulators can be used to toss inventory items within an inventory system. Tossing strategies for the robotic arms may include information about how a grasped item is to be moved and released by a robotic arm to achieve a trajectory for moving the item to a receiving location. A tossing strategy may also use a trajectory that avoids time and/or space reserved for a trajectory of another tossed item. The receiving location can include surfaces and/or other features that can be manipulated for receiving the item based on one or more characteristics of the tossed item and/or a trajectory of the tossed item.

Classifications:

International (IPC 8-9): B25J9/12 B25J9/16 B65G31/00 G06Q10/08 (Advanced/Invention)
CPC: B65G31/00 B25J9/12 Y10S901/02 B25J9/1664 G06Q10/087 B65G1/1375 G05B19/41895
US: 700/214



Family:

Publication number	Publication date	Application number	Application date
AU2016330889 AA	20170406	AU20160330889	20160929
CN108140162 A	20180608	CN201680056286	20160929
US2017088360 AA	20170330	US20150869450	20150929
WO17059110 A1	20170406	WO2016US54503	20160929

Priority:

US20150869450 20150929 WO2016US54503 20160929

Probable Assignee: AMAZON TECHNOLOGIES INC

Assignee(s): (std): AMAZON TECH INC ; AMAZON TECHNOLOGIES INC

Inventor(s): (std): BRAZEAU JEREMIAH DAVID ; CHEN FRED ; GARCIA HENRY DAVID ; LUSIGNAN BRIAN MICHAEL ; SWEENEY ANDREW M

Agent(s): SPRUSON AND FERGUSON; WYLIE ROGER D 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 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

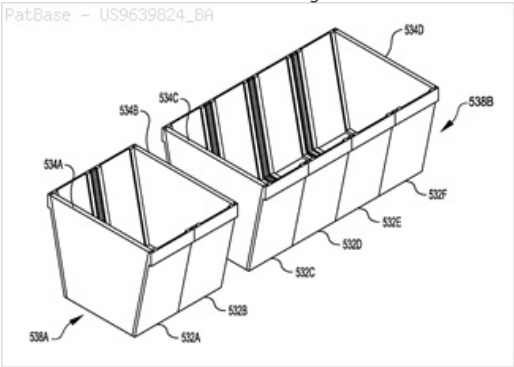
Title: DYNAMICALLY-SIZED CONTAINERS FOR INVENTORY SYSTEM

Abstract: Containers for an inventory system can be formed from a set of container segments bounded by container partitions. The container segments can be coupled end to end to one another and include receiving features for receiving partitions therein. A segment can separate from an adjacent segment in response to receiving a partition in a receiving feature at an end of one of the segments, or in response to interaction with decoupler distinct from the partition. Containers of differing lengths can be provided by using partitions to bound different numbers of interconnected segments.

Classifications:

International (IPC 8-9): B65D21/02 G06Q10/08 (Advanced/Invention);
G06F17/50 G06Q10/06 (Advanced/Non-invention)

CPC: G06Q10/087 B65D21/0204 B65D21/0208



Family:

Publication number	Publication date	Application number	Application date
US9639824 BA	20170502	US20140579775	20141222

Priority:

US20140579775 20141222

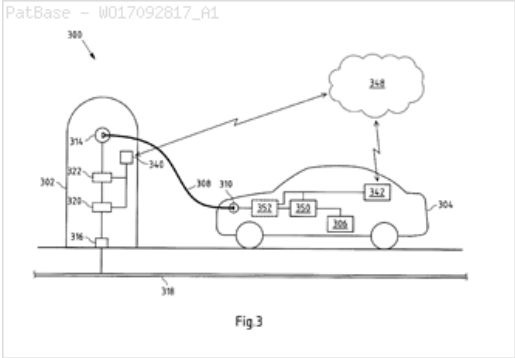
Probable Assignee: AMAZON TECHNOLOGIES INC
Assignee(s): (std): AMAZON TECH INC
Assignee(s): AMAZON TECHNOLOGIES INC
Inventor(s): (std): BRAZEAU JEREMIAH DAVID
Agent(s): KILPATRICK TOWNSEND AND STOCKTON LLP

Title: CHARGING SYSTEM FOR VEHICLES

Abstract: The invention relates to a supply medium exchange system (200, 300, 400, 500, 600, 800), comprising at least one supply medium exchange station (202, 302, 402, 502, 602, 878.1) comprising at least one supply medium exchange interface (214, 314, 414, 514, 614.1, 614.2, 614.3) configured to exchange a supply medium with at least one mobile unit (204, 304, 404, 504, 604, 879.2) comprising at least one supply medium storage (206, 306, 406, 506, 606) and at least one first peer-to-peer module (242, 342, 442, 542, 642) assigned to the mobile unit (204, 304, 404, 504, 604, 879.2) and configured to communicate with at least one peer-to-peer application (246, 746) of at least one peer-to-peer network (248, 348, 448, 548, 648, 848), wherein the first peer-to-peer module (242, 342, 442, 542, 642) is configured to cause a generation of a supply medium exchange release message for releasing of the exchange of the supply medium between the mobile unit (204, 304, 404, 504, 604, 879.2) and the supply medium exchange station (202, 302, 402, 502, 602, 878.1) by means of the peer-to-peer application (246, 746).

Classifications:

International (IPC 8-9): B60L11/18 G07F15/00 (Advanced/Invention)
CPC: G07F15/001 B60L11/1848 G07F15/00 G07F15/005 Y02T90/12 Y02T90/128 B60L11/1816 B60L11/182 B60L11/1846 B60L2230/40 B60L2270/38



Family:

Publication number	Publication date	Application number	Application date
WO17092817 A1	20170608	WO2015EP78590	20151203

Priority:

WO2015EP78590 20151203

Probable Assignee: RWE AG

Assignee(s): (std): RWE AG

Inventor(s): (std): STOECKER CARSTEN ; WAFFNER JUERGEN

Agent(s): BUECKER HENDRIK

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

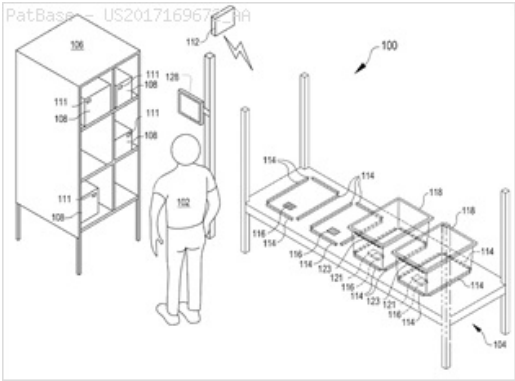
Title: ILLUMINATING CONTAINERS IN AN INVENTORY SYSTEM

Abstract: An inventory system employs self-illuminating inventory management containers. A self-illuminating container can include a container body, an illumination element, and a signal receiver for receiving instructions to illuminate the container. The self-illuminating inventory management containers can be illuminated to assist in locating the containers in the system broadly, or locally, and to assist in inventory processing operations.

Classifications:

International (IPC 8-9): G06K7/10 G06Q10/00 G06Q10/08 G08B5/36 (Advanced/Invention)

CPC: G08B5/36 G06Q10/087 G06K7/10366 G06Q10/00



Family:

Publication number	Publication date	Application number	Application date
US2017169672 AA	20170615	US20150970011	20151215
US9928698 BB	20180327	US20150970011	20151215
WO17106178 A2	20170622	WO2016US66363	20161213
WO17106178 A3	20170727	WO2016US66363	20161213

Priority:

US20150970011 20151215

Probable Assignee: AMAZON TECHNOLOGIES INC

Assignee(s): (std): AMAZON TECH INC

Assignee(s): AMAZON TECHNOLOGIES INC

Inventor(s): (std): LAUKA WESLEY SCOTT ; FARROW BENJAMIN LEE ; BELL KRISTOPHER WILLIAM

Agent(s): KILPATRICK TOWNSEND AND STOCKTON LLP; WYLIE ROGER D ET AL

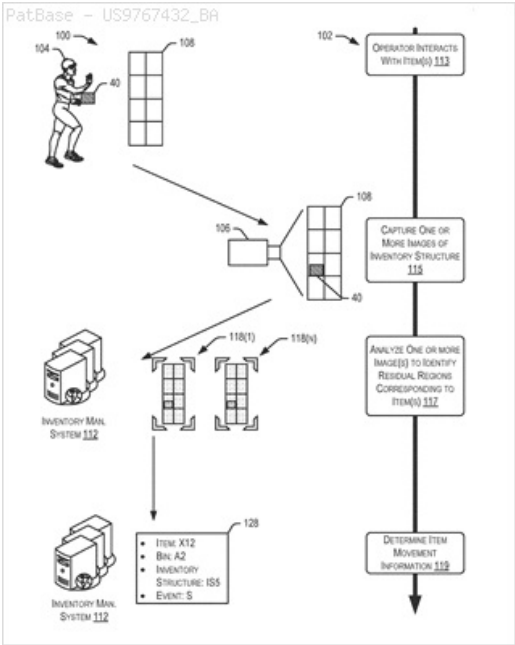
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR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

Abstract: An inventory management system is described. The inventory management system may be configured to use thermal image data to determine that an item was successfully placed in a storage structure. As part of this process, thermal images may be processed to identify instances of temperature differences that correspond to the item. These temperature differences may be evidence of a recent touch by an operator or may be generated by temperature changing devices during item placement.

Classifications:

International (IPC 8-9): G06F19/00 G06K19/06 G06K7/10
G06Q10/08 (Advanced/Invention)
CPC: G06Q10/087 G06K7/10861 G06K7/10891 G06K19/06028



Family:

Publication number	Publication date	Application number	Application date
US9767432 BA	20170919	US20160187535	20160620

Priority:

US20160187535 20160620

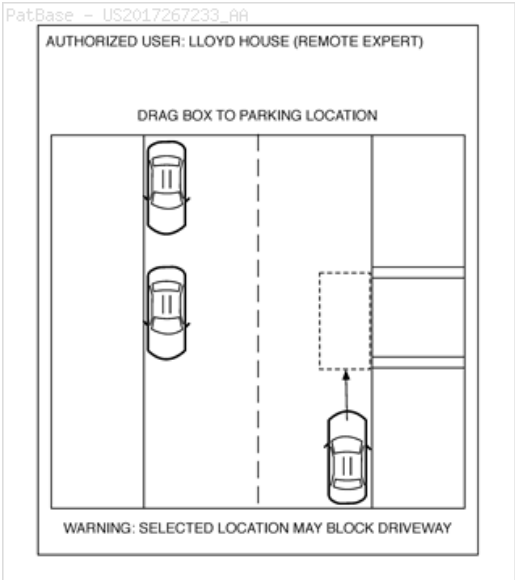
Probable Assignee: AMAZON TECHNOLOGIES INC
Assignee(s): (std): AMAZON TECH INC
Assignee(s): AMAZON TECHNOLOGIES INC
Inventor(s): (std): BRAZEAU JEREMIAH DAVID ; MENDOLA SERGIO
Agent(s): KILPATRICK TOWNSEND AND STOCKTON LLP

Title: METHOD FOR AUTONOMOUS VEHICLE PARKING

Abstract: Systems and methods for autonomous vehicle parking includes: identifying parking parameters for parking an autonomous vehicle; receiving parking space data of one or more parking spaces; identifying a parking space of the one or more parking spaces for parking the autonomous vehicle; determining autonomous vehicle controls for controlling the autonomous vehicle to park at a parking space associated with the parking space data; implementing the autonomous vehicle controls for parking the autonomous vehicle in the parking space.

Classifications:

International (IPC 8-9): B60W30/06 G05D1/00 G06Q10/02 G06Q20/36 (Advanced/Invention)
CPC: B60W30/06 G05D1/0088 G06Q10/02 G06Q20/36 B60W2420/42 B60W2420/52 G06Q2240/00 B62D15/02 B62D15/0285



Family:

Publication number	Publication date	Application number	Application date
US2017267233 AA	20170921	US20170458152	20170314

Priority:

US20160308708P 20160315 US20170458152 20170314

Probable Assignee: CRUISE AUTOMATION INC

Assignee(s): (std): CRUISE AUTOMATION INC

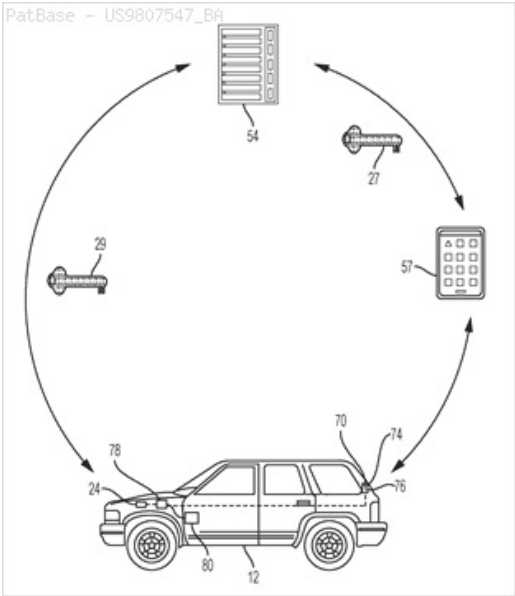
Assignee(s): GM CRUISE LLC ; GM GLOBAL TECHNOLOGY OPERATIONS LLC

Inventor(s): (std): MOU WEI ; MINSTER GAUTIER ; GAO PETER

Title: RELATIONSHIP MANAGEMENT FOR VEHICLE-SHARING SYSTEMS

Abstract: A vehicle-share relationship management system is presented herein. The vehicle-share relationship management system includes a short-range wireless communication (SRWC) module, mobile computing device, vehicle communication platform (VCP), and remote entity. The SRWC is located in a vehicle and configured to communicate with the mobile computing device and at least one vehicle system. The VCP is located within the vehicle, the VCP configured to communicably couple with the SRWC module and configured to generate one or more data transmissions. The remote entity configured to receive the one or more VCP data transmissions. Moreover, the SRWC module collaborates with the vehicle system and mobile computing device to generate one or more notices, the SRWC module subsequently collaborates with the VCP to transmit the one or more notices to the remote entity. In response to the one or more notices, the remote entity communicates one or more notifications to the VCP.

Classifications:
International (IPC 8-9): G06Q50/10 G06Q50/30 H04L29/08
H04W4/00 H04W4/08 H04W4/40 H04W4/80 (Advanced/Invention)
CPC: H04L67/12 H04W4/80 G06Q30/02



Family:

Publication number	Publication date	Application number	Application date
CN107872508 A	20180403	CN201710855819	20170920
DE102017121962 A1	20180329	DE201710121962	20170921
US9807547 BA	20171031	US20160278238	20160928

Priority:

US20160278238 20160928

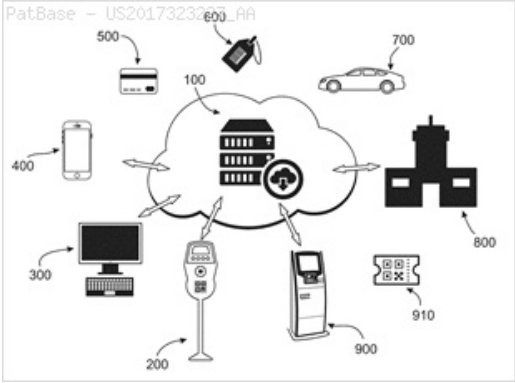
Probable Assignee: GM GLOBAL TECHNOLOGY OPERATIONS LLC
Assignee(s): (std): GM GLOBAL TECH OPERATIONS LLC
Assignee(s): GM GLOBAL TECHNOLOGY OPERATIONS LLC
Inventor(s): (std): OESTERLING CHRISTOPHER L ; PEBBLES PAUL H ; STEYN JULIA

Title: SYSTEM FOR MANAGING PARKING SPACES USING ARTIFICIAL INTELLIGENCE AND COMPUTER VISION

Abstract: A parking space management system comprising a plurality of parking meters and a backend **server**. Each of the parking meters includes a respective main body, processor, sensor and transceiver. The sensor is configured to sense visual information relating to one or more parking spaces associated with the respective parking meter and the transceiver is configured to externally transmit the sensed visual information. The backend **server** remotely controls the parking meters. The backend **server** receives the transmitted sensed visual information from the parking meters, processes the received sensed visual information via computer vision to determine an occupancy status of the parking spaces associated with the parking meters, and controls the parking meters to display a first status notification indicative of the determined occupancy status of the associated parking spaces. The backend **server** also establishes a reservation for selected parking spaces and controls each parking meter associated with each reserved parking space to display a second status notification indicative of the reservation. Additional features and capabilities also are provided.

Classifications:

International (IPC 8-9): G06Q10/02 G06Q20/10 G06Q30/02
G06Q50/30 G08G1/14 H04L29/06 (Advanced/Invention);
G08G1/14 (Advanced/Non-invention)
CPC: G06Q10/02 G06Q30/0259 H04L63/0428 G06Q20/102
G06Q30/0267 G08G1/14 G06Q2240/00 G06Q20/127 G06Q20/145
G06Q20/18 G06Q20/3224 G07F17/246



Family:

Publication number	Publication date	Application number	Application date
US2017323227 AA	20171109	US20170587633	20170505
WO17192880 A1	20171109	WO2017US31105	20170504

Priority:

US20160332355P 20160505 US20170587633 20170505

Probable Assignee: SADEGHI ARASH

Assignee(s): (std): SADEGHI ARASH

Inventor(s): (std): SADEGHI ARASH

Agent(s): MONTAGUE MARK

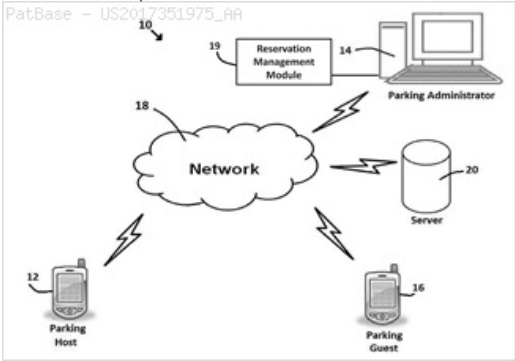
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR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

Abstract: A system and method for managing a vehicle parking location is provided. The method includes receiving an available vehicle parking listing including a parking location from a host computing device over a network; storing the listing in a memory of an administrative computing device; allowing a guest computing device to view the listing on a display of the guest; receiving a parking reservation request from the guest over the network, wherein the request includes reservation start and end times; establishing a parking reservation in response to the request; terminating the parking reservation upon expiration of the reservation end time; and verifying that the parking location is vacant after expiration of the reservation end time by determining that a geographic location of the guest is greater than a predetermined distance from the parking location and determining that a speed of the guest is greater than a predetermined speed.

Classifications:

International (IPC 8-9): G06F17/30 G06Q10/02
H04W4/02 (Advanced/Invention);
G06Q50/30 (Advanced/Non-invention)
CPC: G06Q10/02 H04W4/02 G06F17/30864 G06Q50/30



Family:

Publication number	Publication date	Application number	Application date
US2017351975 AA	20171207	US20160175158	20160607

Priority:

US20160175158 20160607

Probable Assignee:

DOCK INC

Assignee(s): (std):

DOCK INC

Assignee(s):

MYLUCKE LLC ; WEBB EMILY

Inventor(s): (std):

WEBB EMILY

Title: AMASSING PICK AND/OR STORAGE TASK DENSITY FOR INTER-FLOOR TRANSFER

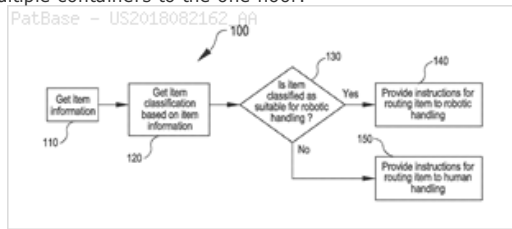
Abstract: A transfer rack on one floor of an inventory system can receive multiple containers each carrying an inventory item designated for an operation on a different floor of the inventory system. A vertical lift can move the transfer rack carrying the multiple containers from the one floor to the different floor. On the different floor, the multiple containers may be swapped for different multiple containers each carrying an inventory item designated for an operation on the one floor. The vertical lift may return the transfer rack carrying the different multiple containers to the one floor.

Classifications:

International (IPC 8-9): B25J9/00 B65G1/137 G05B19/418

G06K17/00 G06K7/10 G06Q10/08 (Advanced/Invention)

CPC: G06K17/0025 G06Q10/087 G06K7/10009 B65G1/1375
G05B19/41895 G05D2201/0216



Family:

Publication number	Publication date	Application number	Application date
US2018082162 AA	20180322	US20160268414	20160916
WO18053236 A1	20180322	WO2017US51731	20170915

Priority:

US20160268414 20160916

Probable Assignee: AMAZON TECH INC

Assignee(s): (std): AMAZON TECH INC

Assignee(s): AMAZON TECHNOLOGIES INC

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Agent(s): WYLIE ROGER D ET AL

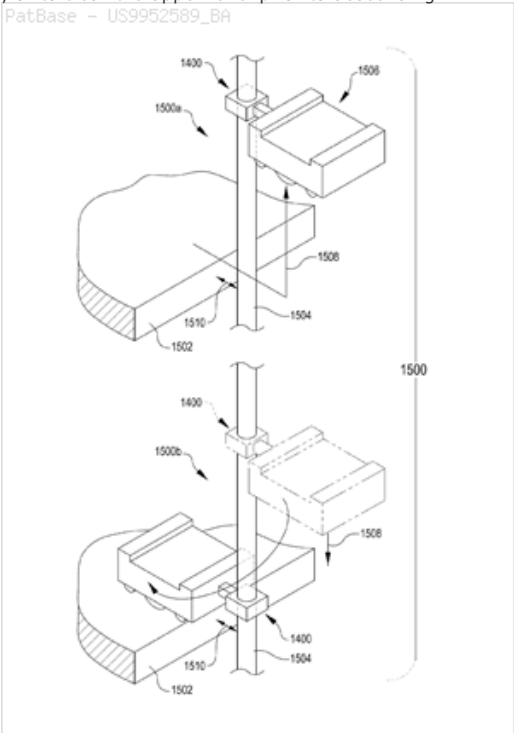
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Title: INVENTORY SYSTEM WITH SWIVELING VERTICALLY MOBILE DRIVE UNITS

Abstract: Disclosed inventory systems, methods, and devices can be used to retrieve and transport resources from one location to another. Specifically, a vertically mobile drive unit including a vertical element retention mechanism can be controlled by a management component to retrieve a resource, transport the resource from one floor to a different floor in an inventory system, and deposit the resource at a destination. The vertically mobile drive unit can transit vertically along a vertically disposed element in an inventory system, such as a structural pole or column; and can rotate around the structural pole or column in order to set down on an upper level after ascending, or to clear the upper level prior to descending.

Classifications:

International (IPC 8-9): B65G1/04 B65G1/06 B65G1/137 B66F11/00 G05B19/418 G05D1/02 (Advanced/Invention)
CPC: G05B19/41895 B65G1/0492 B65G1/065 B65G1/1378 B66F11/00 G05D1/0291 G05D2201/0216 Y10S901/01



Family:

Publication number	Publication date	Application number	Application date
US9952589 BA	20180424	US20170474852	20170330

Priority:

US20170474852 20170330

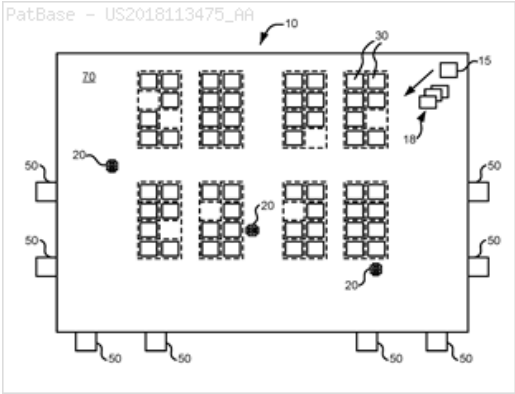
Probable Assignee: AMAZON TECH INC
Assignee(s): (std): AMAZON TECH INC
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Inventor(s): (std): BRAZEAU JEREMIAH DAVID
Agent(s): KILPATRICK TOWNSEND AND STOCKTON LLP

Title: ROBOTIC AD HOC NETWORK

Abstract: Described herein is system in which separate networks are operated on behalf of system components associated within an inventory system. Mobile drive units may receive initial instructions from a central authority and may identify a number of system components relevant to the provided instructions. The mobile drive unit may be configured to traverse to locations associated with the identified system components. As the mobile drive unit traverses the inventory floor, it may connect to the separate networks that it comes into contact with. Upon connecting to a network associated with a system component relevant to its set of instructions, the mobile drive unit may provide instructions to the system component to cause it to execute an action. In some embodiments, the mobile drive unit may connect to a system component in order to perform a route guidance algorithm and/or collision avoidance algorithm.

Classifications:

International (IPC 8-9): G05D1/00 G05D1/02 (Advanced/Invention)
CPC: G05D1/0291 G05D1/0027 H04W84/18 G05D1/0276 G05D1/0289



Family:

Publication number	Publication date	Application number	Application date
US2018113475 AA	20180426	US20160333636	20161025
WO18081207 A1	20180503	WO2017US58196	20171025

Priority:

US20160333636 20161025

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC 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