Doc Code: MES.GIB
Document Description: Certification of Micro Entity Status (Gross Income Basis)

PTO/SB/15A (03-13)

CERTIFICATION OF MICRO ENTITY STATUS
(GROSS INCOME BASIS)

Application Number or Control Number (if applicable):	Patent Number (if applicable):
First Named Inventor: Bashani, Gilad G.	Title of Invention: Parking Status System

The applicant hereby certifies the following—

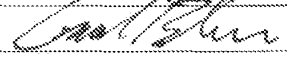
(1) **SMALL ENTITY REQUIREMENT** - The applicant qualifies as a small entity as defined in 37 CFR 1.27.

(2) **APPLICATION FILING LIMIT** - Neither the applicant nor the inventor nor a joint inventor has been named as the inventor or a joint inventor on more than four previously filed U.S. patent applications, excluding provisional applications and international applications under the Patent Cooperation Treaty (PCT) for which the basic national fee under 37 CFR 1.492(a) was not paid, and also excluding patent applications for which the applicant has assigned all ownership rights or is obligated to assign all ownership rights as a result of the applicant's previous employment.

(3) **GROSS INCOME LIMIT ON APPLICANTS AND INVENTORS** - Neither the applicant nor the inventor nor a joint inventor, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986 (26 U.S.C. 61(a)), exceeding the "Maximum Qualifying Gross Income" reported on the USPTO website at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.

(4) **GROSS INCOME LIMIT ON PARTIES WITH AN "OWNERSHIP INTEREST"** - Neither the applicant nor the inventor nor a joint inventor has assigned, granted, or conveyed, nor is under an obligation by contract or law to assign, grant, or convey, a license or other ownership interest in the application concerned to an entity that, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986, exceeding the "Maximum Qualifying Gross Income" reported on the USPTO website at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.

SIGNATURE by a party set forth in 37 CFR 1.33(b)

Signature					
Name	Gilad G. Bashani				
Date	11/26/2014	Telephone	3145677800	Registration No.	n/a

☐ There is more than one inventor and I am one of the inventors who are jointly identified as the applicant. Additional certification form(s) signed by the other joint inventor(s) are included with this form.

Doc Code: FAI.REQ
Document Description: Request First Action Interview

PTO/SB/413C (05-11)
Approved for use through 01/31/2013. OMB 0651-0031
U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REQUEST FOR FIRST ACTION INTERVIEW (FULL PILOT PROGRAM)

Attorney Docket Number: 837	Application Number (if known):	Filing date: 12/05/2014
First Named Inventor: BASHANI, GILAD G.	Title: PARKING STATUS SYSTEM	

APPLICANT HEREBY REQUESTS A FIRST ACTION INTERVIEW IN THE ABOVE-IDENTIFIED APPLICATION. **See Instruction Sheet on page 2.**

1. The application must contain three (3) or fewer independent claims and twenty (20) or fewer total claims.

2. The application must not contain any multiple dependent claims.

3. By filing this request:

   Applicant is agreeing to make an election without traverse if the Office determines that the claims are not obviously directed to a single invention; and

   Applicant is agreeing not to request for a refund of the search fee and any excess claims fee paid in the application after the mailing or notification of the pre-interview communication prepared by the examiner.

4. Other attachments: _____

Signature /GGB BY CCM/	Date 12/05/2014
Name (Print/Typed) CHARLES MCCLOSKEY	Registration Number 46911

Note: *This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.*

☐ *Total of 1 forms are submitted.

The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Doc Code: FAI.REQ
Document Description: Request First Action Interview

PTO/SB/413C (05-11)
Approved for use through 01/31/2013. OMB 0651-0031
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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Electronic Patent Application Fee Transmittal	
Application Number:	
Filing Date:	
Title of Invention:	PARKING STATUS SYSTEM
First Named Inventor/Applicant Name:	GILAD G. BASHANI
Filer:	Charles McCloskey
Attorney Docket Number:	837
Filed as Micro Entity	

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
BASIC UTILITY PATENT FILING FEE-MCRO-ENT	3011	1	70	70
Utility Search Fee	3111	1	150	150
Utility Examination Fee	3311	1	180	180
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**400**

Electronic Acknowledgement Receipt	
EFS ID:	20882759
Application Number:	14562149
International Application Number:	
Confirmation Number:	2753
Title of Invention:	PARKING STATUS SYSTEM
First Named Inventor/Applicant Name:	GILAD G. BASHANI
Customer Number:	27789
Filer:	Charles McCloskey
Filer Authorized By:	
Attorney Docket Number:	837
Receipt Date:	05-DEC-2014
Filing Date:	
Time Stamp:	16:52:02
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$400
RAM confirmation Number	3645
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1		DN837_CIP_pat_app.pdf	182988 8def647a737010500e90236dbe7fc95c086ca35f	yes	44

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Specification	1	33
	Claims	34	43
	Abstract	44	44

Warnings:					
Information:					
2	Drawings-only black and white line drawings	DN391_figs1thru7.pdf	64445 aaf0033b42afc0597a8f0844f9ac14525da56c7d	no	4
Warnings:					
Information:					
3	Oath or Declaration filed	DN391_dec_signed.pdf	1183745 7ffca3ac34cc4563ecec7740e762d64d633ccb88	no	2
Warnings:					
Information:					
4	Certification of Micro Entity (Gross Income Basis)	DN391_micro_signed.pdf	1028712 0778dd06736df6fbc12d89f94e1bc0e0305a18fa	no	1
Warnings:					
Information:					
5	First Action Interview - Enrollment Request	DN837_FAIP_request.pdf	104431 7c562bb6d28837532c5a75405530a4be3c3b106a	no	1
Warnings:					
Information:					
6	Fee Worksheet (SB06)	fee-info.pdf	32488 ae45f0703dc1d2c31b9e7ef4390d8d46a8c7efc3	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	2596809		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

APPLICATION FOR PATENT

SPECIFICATION

To All Whom It May Concern:

Be it known that I, Gilad G. Bashani, a citizen of the United States, residing in the City of Clayton, the County of St. Louis, and the State of Missouri, and having a mailing address of 8331 University Dr., Clayton, MO 63105, have invented new and useful improvements in

PARKING STATUS SYSTEM

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CROSS-REFERENCE TO RELATED APPLICATION

This continuation in part application claims priority to the pending non-provisional application 13/245,385 filed on 09/26/2011 which claims priority to the expired provisional application 61/386,645 filed on 09/27/2010 which is owned by the same inventor.

BACKGROUND OF THE INVENTION

The parking status system generally relates to electronic display of parking status and more specifically to overlay of parking status of vehicles upon a visual image of a street. The present invention provides an efficient visual representation of parking status and an intuitive interface where a parking control officer verifies the parking status of a vehicle seen by the officer and the payment status of the vehicle whether by existing meter, pay and display unit, or remote payment system.

When people travelled by horse, the rider tied reigns of the horse to a hitching rail when the rider dismounted in town. Remembering the needs of the horse, the rider returned to the horse in a timely manner and the hitching rail opened for another rider to tie up his horse. Then people began using automobiles.

People drive their automobiles, or cars, to many destinations. Some destinations became popular for automobiles and necessary for people. People take their cars to stores, movie theatres, parks, government offices, sporting events, businesses, and the like. Early on, few people had cars. However, cars have become present in great numbers, so much so that planners account for cars in road design and urban planning. People though do not drive their cars indefinitely. Cars eventually bring their drivers and passengers to a destination. At a destination, people park their cars.

At some destinations, parking remains plentiful in lots, such as at stores, malls, and sporting events. In urban areas, the concentration of businesses draws people and their cars. However, the streets adjacent to buildings accommodate only a finite number of cars. As a compromise between parking near a building and the space available, parking spaces became metered, that is, rented. Because streets are generally owned by municipalities, city governments usually operate parking meters and deploy the legions of parking control officers that enforce the parking regulations.

Parking meters have generally accepted coins in various denominations in exchange for a certain amount of time to park a car adjacent to a meter. The rate per hour for a parking space varies among municipalities. Generally, a driver finds an empty parking space for his or her vehicle near the driver's destination. The driver then deposits coins in the adjacent meter for the desired amount of time. The driver then walks away from the vehicle. Meanwhile, a parking control officer, on foot or mounted in a vehicle, checks the meter from time to time. Meters often indicate when the time has expired with visual signals displayed upon the meter. If a parking control officer sees such a signal, the officer can then issue a ticket to the holdover driver. Parking control officers walk or drive an assigned beat, or block of addresses, noting expired meters.

DESCRIPTION OF THE PRIOR ART

Along streets and in some garages for many years, parking meters have accepted coins as payment. Select garages and surface lots have central payment boxes or guardhouse. These parking venues often have a "Pay & Display" kiosk located at a suitable position such as at a pedestrian entrance, an elevator, or at each city block. In Pay & Display, a motorist buys a ticket at a kiosk using currency or credit and the kiosk prints a paper ticket with an

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expiration time thereon. The motorist then places the ticket upon the dashboard of his car so a parking control officer can view the ticket. In select garages, as at airports, motorists receive a ticket upon entry to the garage but may pay for their parking at a kiosk away from the entrance. The kiosk may be located near where motorists return from a passenger air terminal near the garage. The kiosks accept currency and credit and allow a certain time for the motorist to depart the garage in his vehicle.

However, the majority of parking meters still rely upon coins. Though coins remain present and legal tender, coins occasionally inconvenience motorists who find themselves without coins at a meter. Then the motorist must find coins often by changing paper currency into coins at a nearby retail establishment. Some retailers accept this activity while others frown upon it. Recently, as commerce has gone to more electronic payments, coin operated meters appear antiquated. Coin meters have their dedicated parking control officers that enforce the parking ordinances against those motorists who have parked too long in a metered space. Coin meters still require maintenance workers that empty the coin boxes daily and repair damaged meters occasionally.

Various efforts have occurred to bring cashless payment to parking meters and some garages. One cashless payment method includes using a mobile telephone to pay for parking in a surface lot. A mobile phone payment system, such as the system provided by Verrus, Inc. of Vancouver, British Columbia, Canada, allows a user to click or otherwise indicate assent to a charge right upon the phone, have the charge adjust the parking status as paid until a certain time, and have the charge then appear on the monthly phone bill. Payments by mobile phone generally involve a server computer system that receives messages from motorists' mobile phones and transmits commands to

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select parking meters. These messages generally inform the server that payment for parking by the motorist's mobile phone has begun or has terminated. The parking meters then emit their status upon command.

Enforcement in such a system utilizes remote querying of the parking meters by the server computer system to verifying the payment status of an individual parking meter and an adjacent vehicle. The typical query has a parking control officer contact the server computer system and manually enter an identifier of the vehicle, such as a license plate number—or an alphanumeric string. The manual entry of vehicle identifiers of every parked vehicle on an officer's beat renders such a payment system practically unusable. This prior art system lacks a satisfactory mechanism so parking control officers can easily and efficiently retrieve information regarding real time parking payment status of a vehicle in a certain space from such a server computer system.

Another prior art parking system utilizes smart card loaded funds to pay a parking meter with a digital reader. A smart card generally has a small microprocessor or chip located upon it. The chip can store funds loaded from an approved banking or financing source, such as an ATM. The chip integrates with the remainder of the smart card where the smart card has a size similar to that of a credit card or debit card. This prior art system shows loading of funds into a third party device, such as a chip, that a parking meter or other device can recognize as payment.

The patent publication to Ivey & Janacek, No. 2006/0059037 explains local enforcement of remotely managed parking payment systems. Ivey shows a system that places the status of parking spaces upon a map. The map shows a street and nearby vehicles in two dimensions, generally from above. The map does not display images of the actual vehicles but rather a stylized image of the vehicles.

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The publication to Erskine, No. 2004/0133464, describes a parking system with payment terminals, enforcement terminals, occupancy data transmitted between the terminals, and a two way telecommunications network. Erskine also has a display with graphic images of parking spaces, para. [0030]. Erskine also describes graphic information about the parking space, including landmarks, [0009]. Erskine does not mention video or digital pictures of a parking space.

The publication to Chatterjee, No. 2004/0068433 illustrates a parking system with maps of parking spaces that allows subscribers to pay for parking by wireless or web communications. Chatterjee also uses license plate readers to identify specific vehicles. In its description, Chatterjee mentions HTML as a programming language but it omits description of parking status merged with a picture of a parking space and its surroundings.

The U.S. patent to Hall, No. 6340935, shows GPS technology to automate a parking facility. Hall provides a GPS position of a vehicle upon a map as shown on a mobile unit. Hall also uses GPS data to regulate vehicles within a parking facility.

And, the publication to Odinotski, No. 2004/0181496, describes a networked parking system with a database spread upon various parking terminals. The '196 pub. portrays a mapping function and the ability to orient the map or graphical display as a user moves, para. [0057]. The '196 pub. also mentions a graphical user interface 8 but does not describe pictures of a parking space. The '196 pub. does not show linking of payment status, GPS position fixing, and digital or video imagery.

Other technology now affects the parking payment systems. Augmented reality, or AR, serves as an imaging technology where a live direct or indirect view of a physical real-world environment has elements augmented by virtual

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computer-generated imagery. AR has a relationship to the general concept of mediated reality where an image of reality undergoes modification by a computer, possibly even diminished rather than augmented. As a result, AR enhances a user's real time perception of a real image. In AR, the augmentation generally occurs in real time and in semantic context with environmental elements, such as sports scores on television, scrolling beneath a game. With advanced AR technology, such as computer vision and object recognition, the information about the surrounding real world of the user becomes interactive and digitally usable. Artificial information about the environment and the objects becomes a layer imposed upon a view of the real world. AR technology includes the application of computer generated imagery in live video streams as a way to expand a user's view of the world.

Another parking management system utilizes fixed plates mounted in a parking space and a reading device for an inspector. The fixed plates include a small emitter that transmits upon interrogation by the reading device. Mounted in a parking space, the fixed plates remain subject to degradation by the environment of the space such as debris, snow, street sweeping machinery, snow plows, and the like. In approximately three years, the emitter in the fixed plate loses power and calls for replacement. Replacing the emitter involves removing the plate from the parking space surface using tools and minor excavation thus raising the maintenance costs of the system. Further, the reading device comes with a price tag in excess of $8000 and utilizes key pad entry. The key pad entry has encountered operational difficulty from users wearing gloves, driving a vehicle, or both.

The present invention overcomes the disadvantages of the prior art and provides a parking status system that visually indicates parking meter status of vehicles in the field of view of a parking control officer while stationary or

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moving. The present invention does not require a parking control officer to key in data and also does not utilize optical character recognition. The present invention utilizes GPS for position fixing of vehicles generally upon streets, less so in garages. The present invention simultaneously displays parking status upon a visual image of vehicles along a street or in a garage to the officer. The present invention also allows member users, or subscribers, to prepay parking and have any parking meter adjacent to a subscriber's car read as PAID.

SUMMARY OF THE INVENTION

Generally, the parking status system has software upon a portable electronic device that integrates position, direction, view ahead, and parking meter status into a common visual image updated in real time. The system utilizes images of street scenes and adjacent buildings to establish a position of the device usually held by a parking control officer. The system then overlays real time images of vehicles in relation to the position. The system near that position then displays a flag above each vehicle in a parking area near the position as shown in the image. The invention may also include parking meters or other devices located in the parking area that emit their status or condition. The flag indicates if a vehicle has or has not paid for parking or if the meter has a maintenance issue. The system also supports a submodule where motorists subscribe and deposit funds for parking. The system then tracks a subscriber and then debits the subscriber's account for the time the subscriber parks a vehicle in a parking area utilizing this invention. The system updates its image and flag in real time as a parking officer patrols an assigned beat. The present invention collects information from a subscriber's portable electronic device and routes it to a parking authority server via the Internet and communication networks. Select parking areas may still include parking meters capable of

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indicating their condition into the server of the present invention. The system utilizes GPS technology to match the street scene, parking officer position, and vehicle positions upon a visual image.

A parking control officer receives an image of a street scene, such as cars at a curb, or a street view, that simultaneously shows the parking status of multiple parking positions. The street view image downloads from a server computer system onto a client device held by the parking control officer. The present invention identifies and represents individual parked cars and empty parking spaces in relation to the street view, other parking positions and other street objects. The present invention provides a status flag proximate each parking location in a parking area in the vicinity of the parking control officer's device. The status flags then allow a parking control officer to readily match multiple parking positions shown on the street view with the actual parking positions in the parking control officer's beat. The present invention then matches the parked vehicles by color, make, and model to those of member users, or subscribers. The respective statuses of the other parking spaces also appear in the street view image so that vacant spaces also show their payment status. The present invention overlays the parking status of vehicles upon a visual image of a street or lot as it matches the GPS coordinates of the parking control officer, the vehicle, and the street scene. The parking control officer therefore easily and readily views the parking status of multiple parking positions in a general area.

The parking status of a parking space whether occupied or vacant includes a paid state and an unpaid state. For example, the present invention represents PAID positions with green tag or flag and UNPAID positions with a red tag or flag on the screen of the device held by the parking control officer. Upon finding a vehicle in a parking space having a red flag, the parking control

officer can then write a ticket manually or have the parking authority server generate a ticket. To trigger generation of a parking ticket by the parking authority server, the parking control officer photographs a license plate of an offending vehicle using his portable electronic device. The officer then uploads the photo to the server along with a text entry of the license plate number of the offending vehicle. The server then cross references the license plate number with the membership list and mails a ticket directly to the member affiliated with the offending vehicle. If the cross reference does not return a member, then the server cross references the license plate number with a license plate database maintained by a state level agency for registering cars, such as a department of motor vehicles. The server then mails a ticket directly to the owner of the offending vehicle as upon the state registry records. In mailing tickets, the server utilizes printed indicia of the parking authority upon the paper tickets mailed the owners of the offending vehicles. In an alternate embodiment, the server also utilizes vehicle identification numbers during its cross reference function. In an alternate embodiment, other display characteristics of the parking spaces appear on the officer's screen from the invention to show different states of the parking spaces, such as broken meter or no parking by police order.

Using the present invention, the parking control officer can immediately identify parking spaces with parked vehicles occupying them where the spaces indicate an unpaid status. By visual observation of any parking meters in the vicinity, the parking control officer verifies the parking positions shown in the overlaid street view as unpaid or those that have paid using cash or other payment, such as tokens, accepted by the parking meter. The present invention cooperates with conventional coin operated parking meters for payment verification. More particularly, conventional coin operated parking meters still control parking for the same parking spaces but allow for motorists to pay for

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parking using a mobile telephone subject to verification by the manners and methods of the present invention. Over time, the present invention may remove meters from the street scene. As a substitute for meters, the present invention may stimulate installation of “Pay & Go” units, as later described, to accommodate motorists who seek to pay for parking but do not have a cell phone or other portable electronic device.

The street view image of a street and the pictures of the parked vehicles have a format suitable for sending by a web server and displayed by a conventional web browser. For example, the street view may include images provide from sources using hypertext markup language, HTML.

To specify an initial vicinity of interest for an initial street view, the parking control officer enters an identifier of an individual parking space or obtains the current position from a GPS receiver. The parking control officer can request that the street view adjust according to the change of the officer’s position, move the view up or down, rotate left or right, or refresh using software display control. As the parking control officer changes direction or moves, the server of the parking authority updates the parking status and street scene utilizing the GPS positions of the parking control officer and nearby vehicles in real time.

There has thus been outlined, rather broadly, the more important features of the invention in order that the detailed description thereof that follows may be better understood and that the present contribution to the art may be better appreciated. The present invention also includes a membership program for motorists, real time and directional updating, and accommodation of existing and smart parking meters. Additional features of the invention will be described hereinafter and which will form the subject matter of the claims attached.

Numerous objects, features and advantages of the present invention will be readily apparent to those of ordinary skill in the art upon a reading of the

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following detailed description of the presently preferred, but nonetheless illustrative, embodiment of the present invention when taken in conjunction with the accompanying drawings. Before explaining the current embodiment of the invention in detail, it is to be understood that the invention is not limited in its application to the details of construction and to the arrangements of the components set forth in the following description or illustrated in the drawings. The invention is capable of other embodiments and of being practiced and carried out in various ways. Also, the phraseology and terminology employed herein are for the purpose of description and should not be regarded as limiting.

One object of the present invention is to provide a parking status system that organizes and displays the status of a parking space in a parking area and adjacent vehicles upon a visual image of a street ahead of a parking control officer.

Another object is to provide such a parking status system that utilizes GPS technology for a precise merge of location and parking space data as an overlay upon a visual image.

Another object is to provide such a parking status system that transforms parking space location coordinates into an UNPAID or alternatively a PAID status.

Another object is to provide such a parking status system that has a low cost of manufacturing so the purchasing municipalities, other government agencies, parking authorities, and organizations can readily buy the parking status system through supply sources, and procurement channels.

Another object is to provide such a parking status system that has a low cost of deployment so that the motorists can readily subscribe to a payment plan of the system.

Another object is to provide such a parking status system that eliminates

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the need for parking meters.

Another object is to provide such a parking status system that coexists and co-operates with prior art parking meters.

Another object is to provide such a parking status system that eliminates motorists utilizing residual paid time for a parking space paid by a previous motorist who has departed.

These together with other objects of the invention, along with the various features of novelty that characterize the invention, are pointed out with particularity in the claims annexed to and forming a part of this disclosure. For a better understanding of the invention, its operating advantages and the specific objects attained by its uses, reference should be had to the accompanying drawings and descriptive matter in which there is illustrated a preferred embodiment of the invention.

BRIEF DESCRIPTION OF THE DRAWINGS

In referring to the drawings,

FIG. 1 shows a flow chart of the general operations of the present invention;

FIG. 2 describes the display scene operation of the invention;

FIG. 3 provides a flow chart of the meter information step of the present invention;

FIG. 4 provides a flow chart of the display parking status step of the present invention;

FIG. 5 illustrates a flow chart of the membership embodiment of the invention;

FIG. 6 shows a pictorial representation of communication channels and devices used by the present invention; and,

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FIG. 7 describes an alternate embodiment of the invention deployed within a vehicle.

The same reference numerals refer to the same parts throughout the various figures.

DESCRIPTION OF THE PREFERRED EMBODIMENT

The present invention overcomes the prior art limitations by providing a parking status system upon the portable electronic device p of a parking control officer. The system follows operational steps as shown in fig. 1, that overcome the limitations of prior devices and methods for providing the status of parking meters and parking spaces to those officers. The present invention begins with determining the parking control officer's position as at 10. The position may come from a GPS fix, as at 11, from the portable electronic device held by the officer or other means of electronic position finding. Determining the position also includes ascertaining the direction of view by the officer as at 12. The direction finding comes from the orientation of the portable electronic device relative to a fixed direction, such as north. In an alternate embodiment, the present invention utilizes the built in compass, gyroscope, or other direction finding capability of the portable electronic device, such as a tablet style computer.

Having determined the position and direction of the portable electronic device and the parking control officer, the present invention finds and displays a live visual image of the scene in the direction of the portable electronic device as at 20. The scene display step utilizes images collected by Google®, tablet computers, digital cameras, and other sources. The scene display step selects the visual images based upon the position and direction of the portable electronic device so that the parking control officer can match the visual images

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on the portable electronic device and the actual street scene. The scene display step produces the visual images in either two dimensions or three dimensions. Preferably, the present invention utilizes a three dimensional visual image however, the invention may revert to a two dimensional visual image when a three dimensional visual image exceeds the capabilities of the parking officer's portable electronic device. Generally, the present invention utilizes the visual street scene and its parking locations and locates upon the scene visual representations of parked cars and the parking payment status of that parking location or parking space. The present invention meshes the street scene, parking locations, and payment status utilizing GPS positioning as at 46. However, GPS signals may be interrupted or disabled in select locations such as garages and parking beneath overpasses. In these situations without GPS, the present invention utilizes Augmented Reality technology with a parking status overlay. Further, the Augmented Reality utilizes less bandwidth in its communications than when downloading visual street scenes from a third party provider such as Google®.

Augmented Reality includes a real-time view of a user's immediate surroundings altered or enhanced by computer generated information. When users examine their environment through devices using Augmented Reality, they see information superimposed on the objects in a real time view image from around the users. More particularly, augmented reality utilized by the invention provides enhanced version of reality created by overlaying digital information on an image of an object viewed by a user through a portable electronic device, such as a smart phone, tablet computer, laptop computer and the like. The invention applies Augmented Reality as it integrates digital information regarding parking spaces with live video of a user's environment in real time. The present invention takes an existing picture, or image, and overlays new information

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about parking spaces upon the image. The present invention applies to a live direct or an indirect view of an object or scene an interactive simultaneous engagement of virtual data about parking spaces and their payment and a real image of the parking spaces upon a street.

Next, the present invention builds upon the street scene acquisition with merging of parking space, or parking location, information as at 30, or parking space status. The present invention collects the status of parking spaces from the server, installed sensors, smart meters that emit their status or existing meters that display status through color code or other visual means to the parking control officer. The present invention aligns the parking status with the position of the parking control officer so that the parking control officer sees the parking meter or parking space status overlaid upon the live, or real time, visual image of the street on the portable electronic device.

The present invention then displays select vehicles at select parking spaces in the visual image as at 40. This live, or real time, display of parking status allows a parking control officer to determine if a vehicle in the actual scene viewed by the parking control officer has paid for parking as shown on the visual image. The parking control officer or user U then views the scene before him and acts upon vehicles parked improperly as at 50 then seeks the next vehicles to inspect. The present invention has an alternate embodiment where motorists subscribe to a plan for parking as at 41.

With such a subscription, the subscribing motorist utilizes the caller identification information emitted from his portable electronic device to identify the subscriber for debiting of parking against the subscribed amount. The subscriber's portable electronic device includes a cell phone or a smart phone often with an onboard gyroscope. The present invention supports "Pay & Go" payments where a user subscribes to the present invention on the spot in his

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time of need even if the user lacks a portable electronic device. A Pay & Go system replaces a gang of parking meters, usually from a street block or two or a defined parking area. The Pay & Go units have locations generally convenient for motorists to approach, such as the middle of a street block or at the entrance to a parking area such as a lot. The Pay & Go units appear similar to prior art Pay & Display systems however, the motorist need not return to his vehicle and place the ticket from the system upon the dashboard. Under Pay & Go, the subscriber may buy a membership or subscription to the invention or pay by the hour at a specific parking space. Pay & Go operates to accommodate the motorists who do not own a cell phone or smart phone, or who forget their phone. The subscriber may pay for the membership through a credit card, a debit card, or cash using a Pay & Go ticket vending machine. The server S knows the parking space locations and cross references the subscriber's location, through a GPS fix upon the subscriber's device as at 46, to the parking space for display to the parking control officer as later described in Fig. 4. The server S provides to the officer whether a subscriber occupies a space or that PAID for time remain for a parking space occupied by a non-member paying by the hour. The present invention collects the pay codes and displays select meters or spaces in PAID status when a subscriber vehicle parks adjacent to a meter. The present invention identifies the make, model, and color of a subscriber and provides a typical vehicle image upon the portable electronic device of the parking control officer. In an alternate embodiment, the subscribing motorist receives a code for emission from a portable electronic device indicating parking is paid or from a device that emits a paid code.

Having reached this part of the present invention, the parking control officer then glances at the visual image on the portable electronic device to identify unpaid parking spaces and then glances at the actual scene to find

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vehicles in the unpaid parking spaces. The parking control officer then proceeds with enforcement measures against the vehicles in unpaid spaces, such as writing parking tickets or deploying a boot. The parking control officer can perform these glances while on foot or in a vehicle when on patrol.

When displaying the visual scene as at 20, the present invention utilizes additional steps to compose the scene on the portable electronic device for the parking control officer. The scene display begins with acquisition of a visual street image as at 21, particularly during inclement weather such as fog. The invention acquires the street image from a third party provider such as StreetView™ from Google®. The provider has generally captured the visual street image in the past. The invention selects the visual street image knowing the position and direction of the portable electronic device held by the parking control officer. Recognizing the selected image is dated from the actual scene by the parking control officer, the invention overlays visual representations of cars and trucks upon the visual street image as at 22. The representations correspond to cars and trucks where the motorist has subscribed to a previously mentioned parking plan as previously shown at 41. The present invention includes a library of car and truck images indexed by make, model, and color. When the present invention detects a car or truck of a subscriber, the invention selects the appropriate representation and places it upon the street image.

At this step of displaying a visual scene, 20, the present invention also accounts for darkness, rain, and other bad weather. During darkness, a parking control officer may have difficulty determining the color, make, and model of a subscriber's vehicle. The present invention, upon detecting darkness, adjusts the representation of the subscriber vehicles to show the license plate numbers and letters of the vehicles, as at 23. During rain and other weather that reduces visibility, such as fog and snow, the present invention calls up an image from

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Google® Street View™ and provides that image upon the display with the overlain parking status. In an alternate embodiment for fog usage, the present invention displays a visual outline of a subscriber's vehicle along with its license plate numbers and letters. The present invention detects these situations utilizing existing applications that provide real time weather at a position and the amount of sunlight at a position. The present invention also includes an override feature where the parking control officer U, as at 50, can adjust, as at 23, the display upon command to a night or bad weather setting as previously described. Also for night usage, the present invention utilizes a night view of the street scene 21 as provided by Google® street view. In an alternate embodiment, the present invention allows for usage of a collection of stored night vision images of key locations related to a parking area.

However, the present invention still operates in the absence of GPS. Without GPS, the portable electronic device of the officer still includes an onboard map library and the officer then clicks upon his position using dead reckoning. The portable electronic device, such as a tablet computer, then communicates the map location to the server and retrieves from the server then parking status for nearby parking spaces and displays them upon the image stored in the tablet computer.

The step of merging meter information, as at 30, or parking space information, also includes various substeps. The parking space information begins with identifying the position of a parking space, as at 31, utilizing a sensor 32. Select sensors have smart capability and emit their status, condition, and position using radio frequency similar to smart phones. Existing meters though lack transmitting capability and do not provide their position directly to the invention. For existing meters, the present invention utilizes the position of the parking control officer and identifies the positions of parking spaces or

meters upon the street image acquired previously, as at 21. In an alternate embodiment, the present invention consults a table of GPS fixes for parking meters or spaces and overlays those parking spaces appearing within the street image displayed to the parking control officer. In an alternate embodiment, each parking space, or location, has painted stripes upon the ground and a painted identification number. The identification number can be located on the road surface, adjacent curb, or the sidewalk adjacent to the parking space. The parking space identification number corresponds to a database upon a parking authority's server. Other parking spaces remain under the control of a "Pay & Go" device. Such devices, often at lots, allow a motorist to pay for parking at a central, automated device, to receive a ticket, and then to proceed on his way without returning to the motorist's vehicle to leave the ticket upon the dashboard as in the prior art. In an alternate embodiment, the parking authority server has communication with each "Pay & Go" device so that a motorist may pay for parking utilizing the "Pay & Go" device, or a cell phone or a smart phone through an account of the present invention. The present invention then communicates payment status to the parking authority server which then instructs the "Pay & Go" device to print a ticket with the parking location, end time for parking and start time for parking.

With a parking meter or parking space position identified, the present invention then determines if a car or truck occupies a parking space regulated by that sensor as at 32. During this substep, the present invention displays a visual representation of a subscriber's car or truck if that vehicle is detected proximate that parking space. The present invention uses augmented reality technology, or AR technology, to overlay the status of a parking location upon a live visual image of the street proximate the parking control officer. The AR technology places the parking status upon the image so that the officer sees both

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simultaneously and can then act appropriately. Upon deploying the invention to a tablet computer, the AR technology provides the parking status over a camera view provided by the tablet in either two dimensions, 2D, or in three dimensions, 3D.

In an alternate embodiment, in the absence of a subscriber's vehicle, the present invention utilizes augmented reality technology, or AR technology, to determine if a vehicle occupies a parking space in the actual street scene. The present invention takes the actual visual street scene and removes the third party provider's visual street image leaving a residual image of a vehicle present or absent from a parking space. If the present invention detects a vacant parking space, the invention does not display the status of the parking meter controlling that space.

In an alternate embodiment of this substep –parking space occupation, a sensor 32a embedded in the street surface of a parking space detects the presence or absence of a vehicle over it. More particularly, the sensor attains an active state when a vehicle has a position over the sensor and remains inactive without a vehicle over it. In the active state, the sensor signals a server that a vehicle occupies a parking space. In the inactive state, the sensor goes dormant and the server notes the absence of a signal from the sensor thus indicating an available parking space. The lack of signal in the inactive state also conserves power in the sensor thus lengthening its useful life. A prolonged lack of signal when a parking space is known as occupied through other means indicates a sensor failure that the system operator must repair. This embodiment provides information to the server about parking space occupation independent of payment status. This embodiment notifies the server about a parking space that becomes available before its paid time has run out. This occurs when a motorist departs a parking space before the reserved time expires and does not inform

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the server of the early departure. Motorists perform this behavior when a meeting or other event ends earlier than expected. Motorists often do not want the bother of reclaiming the funds for the remaining time at a parking space when they leave early. This embodiment allows the system 1 to direct other motorists to newly unoccupied parking spaces, though paid for time remains on a parking space. The alternate embodiment of the parking space occupation has usefulness at times of high demand for parking spaces. This alternate embodiment has at least one sensor, 32, installed in each parking location or space, that detects the presence or absence of a vehicle over the sensor. The sensor then communicates the presence or absence of a vehicle to the server S where the server then recognizes whether a motorist has his vehicle present in the space with payment, his vehicle present in the space without payment, or no vehicle in the space with payment remaining. The server, acting upon information from the sensor, then adjusts the parking status displayed to the officer to show an approved vehicle, green symbol, an unapproved vehicle subject to enforcement, red symbol, or an available parking space, no symbol. The server also displays available parking spaces to subscribers presently near an available parking space or whose destination is near an available parking space.

When a subscriber's vehicle or another vehicle occupies a parking space, the present invention determines and displays the payment or other status of a parking meter or space as at 33. For a subscriber's vehicle, the present invention generally identifies the parking space with a flag 47, generally a "PAID" graphic or green flag upon the portable electronic device, unless the subscription has run out for the vehicle. The green flag or PAID graphic instructs the parking control officer to pass the vehicle and not issue a ticket. For expired subscription vehicles, the portable electronic device provides an "UNPAID"

graphic or red flag upon the portable electronic device. But for the red flag or UNPAID graphic, the invention instructs the parking control officer to stop at the vehicle and issue a ticket. For non-subscriber vehicles, the present invention relies upon the parking sensors 32, or select meters. The sensors 32 emit their status by radio frequency similar to a cell phone. The present invention then collects the payment status of a sensor and displays that as a paid graphic or flag, or an unpaid graphic or flag upon the portable electronic device. For other meters, the present invention relies upon the parking control officer to determine the parking meter payment status by inspection of the meter. The parking control officer then takes appropriate enforcement action as necessary.

In other situations, parking locations or spaces may not have a PAID or UNPAID status. Such situations include damage to a sensor or a meter, repair of a sensor or meter, disabling of the sensor or meter for nearby construction, and police order such as for parades. Similar to payment status, the present invention visually displays other status of server instructions provided on a display unit, typically at a Pay & Go unit or upon the portable electronic device of the parking control officer. For other meters, the present invention overlays disabled servers or meters on the portable electronic device when the server of the parking authority provides that status to the operator of the present invention. Otherwise, the present invention relies upon the observation and inspection of the parking control officer to identify disabled meters and vehicles parked where a temporary situation prohibits such parking.

Turning to Fig. 4, the present invention visually displays vehicles and their parking status upon a street image, as at 40. This informed display merges information from previous steps and substeps of this invention. The informed display 40 includes the visual scene 20 from the third party provider image 21 overlaid with visual representations of vehicles 22, the visual status of parking

spaces or meters positioned within the visual scene as from step 30, and the payment status of a vehicle in a parking space as at 47. The display of the visual scene combines the roadway or lot with adjacent buildings, vehicles, parking spaces, parking meters, and meter status upon one screen of a portable electronic device for a parking control officer to observe and take appropriate enforcement action. The display of flags 47 adjacent to vehicles simplifies the job of the parking control officer when making his rounds of a beat of parking spaces.

Previously, the present invention includes a visual overlay of a subscriber's prepayment status, as at 41, upon an image of a street, as at 40. Fig. 5 describes how a motorist's car or truck identifies the motorist as a subscriber to passing parking control officer. The present invention establishes a parking plan for subscribers as an electronic application with the backing of at least one financial institution as at 42. The plan collects the subscriber's name, mailing address, email address, telephone number, preferred payment method, and select parking preferences. The plan then establishes an account for the motorist as a subscriber to the plan, and alternatively notifies a parking authority server of the subscriber's membership. Based upon the preferred payment method, the present invention accepts prepayment for parking in various amounts into the subscriber's account, as at 43. Alternatively, the present invention bills a credit card, processes an ACH transfer, electronically withdraws funds from an account identified by the subscriber, or electronically debits a cell phone or smart phone account with a phone provider.

In an alternate embodiment, the present invention issues a transponder to each subscriber, as at 44. Alternatively, the transponder includes a radio frequency identification chip, or RFID chip. The transponder communicates with any adjacent sensor or smart meter when a subscriber parks a car or truck at

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such a parking location. When parking at existing meters, the subscriber selects the duration of time desired for parking upon the transponder, pays for the parking by debiting the subscriber's account, and leaves the transponder in the car or truck while parked. Then any passing parking control officer can have his portable electronic device visually display the parking status of subscribers through their transponders, as at 45. Alternatively, the portable electronic device of a subscriber includes a software application that allows the subscriber to pay for parking against the subscriber's account and that allows the portable electronic device of the subscriber to serve as a transponder, emitting PAID meter status to any passing parking control officer. In a further alternate embodiment, a subscriber's portable electronic device using the present invention can identify the nearest unoccupied parking space to the subscriber and to the subscriber's destination, and also provide a warning to the subscriber when payment for a parking space will run out.

Fig. 6 shows a schematic of various communication components utilized by the present invention. The present invention generally operates upon a portable electronic device of a parking control officer as at P, preferably a tablet computer. The portable electronic device may be one of various models presently on the market from third party suppliers. Generally a parking authority selects the portable electronic device so long as it can communicate, as at C, via the internet I to the parking authority servers S. Such portable electronic devices include smart phones, tablets, Palm® devices, Apple® iPad and iPhone devices, select Blackberry® devices, and the like. The portable electronic devices also include virtual video glasses that a parking control officer wears, or parking status glasses. The virtual video glasses provide a heads up display of parking status and other information to the officer. Often the virtual video glasses partially or fully wrap around the head of an officer. Other virtual video glasses

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have a frame that locates a screen in front of one eye of the officer. The screen provides parking status and other information while the brain of the officer combines the screen display with the scene from the other eye into a combined visual image.

In a further alternate embodiment shown in Fig. 7, the present invention provides a heads up display utilizing a pico-projector Q mounted upon the dashboard or other console of the parking control officer's vehicle M, such as a motorcycle. The projector transmits an image, as at 40a, of the parking status of vehicles in the field of view of the officer. The image reflects upon the interior surface of the vehicle windshield as at 40b and then the officer U sees the image of parking status overlaid upon his natural view of parked cars, as at 50. To the officer, the image appears ahead of the officer's vehicle at a predetermined distance, approximately 8 to 10 feet. The projector receives its image signal from the portable electronic device P of the officer where the signal contains the status of vehicles proximate the location of the officer's portable electronic device from the server S and the direction of movement as calculated by the officer's portable electronic device P. This alternate embodiment conveys parking status to a parking control officer who may be wearing prescription glasses or other eyewear that prevent wearing of virtual video glasses. In the preferred and alternate embodiments, these preceding heads up display devices may come in various forms and generally allow a parking control officer to use a head mounted display freeing up the hands of the officer for driving and other tasks.

The portable electronic device of a parking control officer ascertains its position utilizing fixes from the GPS system, as at G, and its orientation from an onboard gyroscope and compass. The portable electronic device then communicates its position via the cellular telephone network, as at C, or other

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wireless telecommunications network and then over the internet, as at I, to at least one server, as at S. In its operation, the present invention utilizes at least one of the following networks for communication and position fixing, wireless internet through wireless fidelity or WiFi, the global positioning system satellite signals, and cellular telephone networks including general packet radio service "GPRS", global system for mobile "GSM", frequency division multiple access "FDMA", code division multiple access "CDMA", and satellite telephone.

The server accesses the images of the street, as at 20, based upon the position of the portable electronic device, as at 10, and merges parking meter status, as at 30, upon the image of street for visual comparison by the parking control officer with the actual street scene. The server downloads an image of the street augmented with subscriber vehicle positions, subscriber meter status, non-subscriber vehicles, and existing meter status. The server also stores and operates the database of the subscribers to the invention and communicates to the various portable electronic devices of the parking control officers and receives information from the subscribers' portable electronic devices often upon the same communications networks as described above. In an alternate embodiment, the server supports interactive voice response, "IVR", multimedia messaging service, "MMS", and credit card processing. In an alternate embodiment, the server delivers parking space status information through audio, such as WAV files, to a parking control officer. The delivered information informs an officer about the parking spaces occupied by vehicles where the payment for the space has run out. For example, the server streams a voice reciting "parking without payment for the red Corvette in parking space 56789 at 123 Main St." to a speaker in the portable electronic device of the officer so that the officer hears the information while moving on patrol and viewing his beat.

The present invention also foresees a parking control officer equipped

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with Bluetooth® equipment for hands free verbal communication through his portable electronic device, a printer capable of Bluetooth® connectivity to the portable electronic device of the officer, a dedicated parking ticket printer, and an RFID reader. An RFID reader serves an officer well in garages and large parking lots where visual street scenes often appear the same. The RFID reader then detects any RFID chips proximate a parking space, a subscriber's vehicle, a subscriber's portable electronic device, and like locations.

The present invention represents the parking status of one or many parking spaces, up to a plurality, upon a screen of a user's portable electronic device. The statuses appear upon a real time camera view, any of parking space utilizing this invention and show as PAID for current payment and UNPAID upon exhaustion of payment. A subscriber, such as a motorist, utilize the present invention to reserve at least one parking space and then to pay for it. The present invention has various components that cooperate and transform upon a computer, whether stand alone PC or a remote server, the location data of parking spaces and payment status data of the parking spaces cross reference with subscriber paid data into indicia or sounds of UNPAID parking placed upon the real time camera view on the screen of a user's device for enforcement.

The present invention begins with assembling a database upon a computer of parking spaces to be covered by the invention. The database includes the geographic locations of the parking spaces and their respective time limits, such as hours of operation and duration of allowed parking. The invention then creates and updates a database upon a computer of subscribers, such as motorists. The subscriber database includes a list of parking spaces reserved by each subscriber, a list of parking spaces paid for by each subscriber, and a list of the expiration times for each paid for parking space of each subscriber. The assembly of the databases and their operations occur

upon a computer whether standalone as a PC or a server. The subscriber database creating and updating also includes enrolling a subscriber into a membership type plan regarding payment. The enrollment also includes establishing encryption of subscriber financial data and in an alternate embodiment, encryption of all subscriber data.

The invention then calculates a location of a user, typically a parking enforcement officer. The invention adapts and utilizes the location finding feature of the user's portable electronic device. With the known user location, the present invention then determines upon a computer a location of one parking space by comparing the location of the user to the database of the parking spaces and selects one of the parking spaces, typically within three feet of the position of the user, parking enforcement officer. Then knowing the location of a selected parking space, the invention compares upon a computer the location of the selected parking space with the subscriber database and continues the comparison further upon a computer by checking the location of the selected parking space against the list of parking spaces paid for by all of the subscribers for a match between that parking space location and the list of parking spaces paid for by the subscribers.

Upon detecting a match between the location of the selected parking space and the list of parking spaces paid for by a subscriber, the invention then compares the matched parking space to the list of expiration times along with the actual time at the parking space location. Upon detecting the matched parking spaced exceeding an expiration time, the invention displays upon the user's screen an UNPAID payment status upon an image of the matched parking space, wherein the user, parking enforcement officer, may execute enforcement measures upon any vehicle in the matched parking space with a payment status identified as UNPAID.

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UNPAID status, and to some extend PAID status, appear on a user's, parking enforcement officer's screen, 6. The UNPAID payment status including various indicia, or a sound, overlaid upon the user's screen or emitted from the user's speaker respectively. The indicia including the word UNPAID, a colored logo, a circle with a bar or a letter X. For a colored logo, the invention has a first color indicating UNPAID status for a short duration such as less than fifteen minutes and a second color indicating UNPAID status for a long duration such as more than fifteen minutes. In a further alternate embodiment, the UNPAID status appears as an audible recitation distributed through the speaker of a user's portable electronic device.

In assembling a database for the parking spaces upon a computer, the invention collects and provides for the location of the center of each of the many parking spaces and a length for each of those spaces. With that location and sizing information, the invention may provide a closer look at a select parking space. The invention compares upon its computer the location of the selected parking space with the database of subscribers and checks locations of parking spaces against the list of parking spaces paid for by the subscribers for two subscribers in adjacent parking spaces. The invention displays an overlay of a shape of one of the parking spaces upon the screen of a user's device, such as upon a real time camera view from a smart phone, for verification of vehicle positions related to that one of the parking spaces. The user can then detect if two vehicles share a space such as an attempt at borrowing or mooching a residual parking fee of one motorist by another. The assembly of the databases and their operations occur upon a computer whether standalone as a PC or a server.

Borrowing a residual fee also occurs in another way. The subscriber database also includes opening an account for each of the subscribers. Each

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account permits each of subscriber to reserve at least one parking space and then to pay for it utilizing various means of electronic payment: ACH transfer, EFT debit, credit card, wire transfer, cell phone account and the like. Each account also has encryption, at least for financial data if not all data. A residual fee arises when a motorists leaves a parking space before time has expired and a second motorist occupies that parking space. The second motorists borrows, or mooches, a portion of the fee paid by the previous motorist. In high density locations, mooching a parking space also distorts real time inventory of parking spaces. To thwart borrowing or mooching a parking space, the invention, when opening an encrypted account in the subscriber database, allows a subscriber to elect to depart a parking space before the expiration time for the parking space and notes that into the subscriber database. The encrypted account permits a subscriber to request a refund of funds remaining when the subscriber elects to depart a parking space, early, before the expiration time for the parking space. The encrypted account then returns that parking space to inventory of available parking spaces, in the parking space database following the election of the departed subscriber. This feature of the present invention transforms parking space data, payment data, and parking space time expiration data reducing those empty parking spaces before the expiration time and allows other subscribers to utilize those empty spaces.

The present invention also utilizes augmented reality as initially described above. Here when comparing the matched parking space to the list of expiration times and upon detecting the matched parking spaced exceeding an expiration time, the invention utilizing augmented reality upon said user's screen to denote an UNPAID payment status upon an image of a matched parking space. The augmented reality of the invention overlays upon a user's screen showing the length of one parking space centered upon the location of that parking space. In

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larger deployments of the invention, such as along many blocks or within a garage, the augmented reality of the invention overlays in a linear contiguous relationship upon a user's screen the lengths of many parking spaces and each centered upon the location of each space.

In sum, the present invention transforms upon a computer location data of one or more parking spaces and payment status data of the same parking spaces into indicia, or a sound, of UNPAID parking shown upon the real time camera view on the screen of a user's device, such as a smart phone or tablet computer, for enforcement.

From the aforementioned description, a parking status system has been described. The parking status system is uniquely capable of displaying whether a motorist has paid for parking adjacent to a meter with a flag or other indicator upon an image of the motorist's vehicle shown upon an electronic screen of a parking control officer. The parking status system merges an image of a street and parking space positions with representations of vehicles along with whether each parking space is PAID or UNPAID. The present invention allows motorists to subscribe to a plan where the motorist no long need enter coins into a meter as the motorist completes parking and account transactions via the portable electronic device of the motorist.

The parking status system and its various components may be operated upon at least one computer and may be programmed in various languages, including but not limited to, HTML, Dreamweaver, Visual Basic, C++, Unix, assembly, and the like while various devices referenced by the invention may be manufactured from many materials, including but not limited to, steel, aluminum, polymers, nylon, polyvinyl chloride, high density polyethylene, polypropylene, ferrous and non-ferrous metals, their alloys, and composites.

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As such, those skilled in the art will appreciate that the conception, upon which this disclosure is based, may readily be utilized as a basis for the designing of other structures, methods and systems for carrying out the several purposes of the present invention. Therefore, the claims include such equivalent constructions insofar as they do not depart from the spirit and the scope of the present invention.

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CLAIMS

I claim:

1. A method for representing the parking status of a plurality of parking spaces to a screen of a user's portable electronic device upon a real time camera view, any of said at least one parking space being one of PAID for current payment and UNPAID upon exhaustion of payment, any of a plurality of subscribes utilize said method to reserve at least one of the plurality of parking spaces and then to pay for at least one of the plurality of parking spaces, the method comprising:

assembling a database upon a computer of said plurality of parking spaces, said database including geographic locations of said plurality of parking spaces and time limits applicable to each of said plurality of parking spaces;

updating a database upon a computer of subscribers, said database including a list of parking spaces reserved by each subscriber, a list of parking spaces paid for by each subscriber, and a list of the expiration times for each paid for parking space of each subscriber;

calculating a location of said user, said calculating a location of said user adapted to utilize a location finding feature of said user's portable electronic device;

determining upon a computer a location of one of said plurality of parking spaces by comparing the location of said user to said database of said plurality of parking spaces and selecting one of said plurality of parking spaces within three feet of the position of said user;

comparing upon a computer the location of one of said plurality of parking spaces with said database of subscribers further comprising comparing upon a computer the location of one of said plurality of parking spaces against said list of parking spaces paid for by said subscribers for a match between said location

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and said list of parking spaces paid for by said subscribers;

upon detecting a match between said location and said list of parking spaces paid for by said subscriber, comparing the matched parking space to said list of expiration times and upon detecting the matched parking spaced exceeding an expiration time displaying upon said user's screen an UNPAID payment status upon an image of the matched parking space, wherein the user may execute enforcement measures upon any vehicle in said matched parking space wherein said payment status is identified as UNPAID;

wherein said method transforms upon a computer location data of said plurality of parking spaces and payment status data of said plurality of parking spaces into indicia of UNPAID parking spaced upon the real time camera view on the screen of a user's device for enforcement.

2. The method for representing the parking status of claim 1 further comprising:

said assembling a database upon a computer of said plurality of parking spaces including a location of a center of each of said plurality of parking spaces and a length for each of said plurality of parking spaces; and,

said comparing upon a computer the location of one of said plurality of parking spaces with said database of subscribers further comprising comparing upon a computer the locations said plurality of parking spaces against said list of parking spaces paid for by said subscribers for two subscribers in adjacent ones of said plurality of parking spaces wherein said method displays an overlay of a shape of one of said parking spaces upon the screen of a user's device for verification of vehicle positions related to that one of said parking spaces.

3. The method for representing the parking status of claim 1 further comprising:

opening an account for each of said subscribers wherein said account

permits each of said subscribers to reserve at least one of said plurality of parking spaces and permits each of said subscribers to pay for at least one of said plurality of parking spaces utilizing means of electronic payment.

4. The method for representing the parking status of claim 3 further comprising:

said opening an encrypted account for each of said subscribers.

5. The method for representing the parking status of claim 4 further comprising:

said opening an encrypted account cooperating with said updating of the subscriber database wherein a subscriber elects to depart a parking space before the expiration time for the parking space;

said encrypted account permits a subscriber to request a refund of funds remaining when the subscriber elects to depart a parking space before the expiration time for the parking space;

said encrypted account then returns that parking space to inventory of available parking spaces following the election of the departed subscriber; and,

wherein said method reduces those empty of said plurality of parking spaces before the expiration time and allows other subscribers to utilize those empty of said plurality of parking spaces.

6. The method for representing the parking status of claim 1 further comprising:

said UNPAID payment status including indicia overlaid upon said user's screen said indicia including the word UNPAID, a colored logo, a circle with a bar or a letter X.

7. The method for representing the parking status of claim 6 wherein said UNPAID payment status indicia has a first color indicating UNPAID status for less than fifteen minutes and a second color indicating UNPAID status for

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more than fifteen minutes.

8. The method for representing the parking status of claim 1 further comprising:

said UNPAID payment status including an audible recitation.

9. The method for representing the parking status of claim 1 further comprising:

said comparing the matched parking space to said list of expiration times and upon detecting the matched parking spaced exceeding an expiration time utilizing augmented reality upon said user's screen to denote an UNPAID payment status of an image of a matched parking space.

10. The method for representing the parking status of claim 2 further comprising:

said comparing the matched parking space to said list of expiration times and upon detecting the matched parking spaced exceeding an expiration time utilizing augmented reality upon said user's screen to denote an UNPAID payment status of an image of a matched parking space; and,

wherein said augmented reality overlays upon a user's screen showing at least one of said plurality of parking spaces the length of said at least one of said plurality of parking spaces centered upon the location of said at least one of said plurality of parking spaces.

11. The method for representing the parking status of claim 10 further comprising:

said augmented reality overlaying in a linear contiguous relationship upon a user's screen showing the lengths of said plurality of parking spaces and each length centered upon the location of each of said plurality of parking spaces.

12. A method for representing the parking status of a plurality of parking spaces to a screen of a user's portable electronic device upon a real

time camera view, any of said at least one parking space being one of PAID for current payment and UNPAID upon exhaustion of payment, any of a plurality of subscribes utilize said method to reserve at least one of the plurality of parking spaces and then to pay for at least one of the plurality of parking spaces, the method comprising:

assembling a database of said plurality of parking spaces, said database including geographic locations of said plurality of parking spaces and time limits applicable to each of said plurality of parking spaces and storing said parking space database upon a computer server;

updating a database of subscribers, said database including a list of parking spaces reserved by each subscriber, a list of parking spaces paid for by each subscriber, a list of the expiration times for each paid for parking space of each subscriber, and storing said subscriber database upon a computer server, and further including enrolling each of said subscribers into a membership plan for parking payment;

calculating a location of said user, said calculating a location of said user adapted to utilize a location finding feature of said user's portable electronic device;

determining upon a computer server a location of one of said plurality of parking spaces by comparing the location of said user to said database of said plurality of parking spaces and selecting one of said plurality of parking spaces within three feet of the position of said user;

comparing upon a computer server the location of one of said plurality of parking spaces with said database of subscribers further comprising comparing upon a computer the location of one of said plurality of parking spaces against said list of parking spaces paid for by said subscribers for a match between said location and said list of parking spaces paid for by said subscribers wherein

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upon detecting a match between said location and said list of parking spaces paid for by said subscriber, comparing the matched parking space to said list of expiration times and further upon detecting the matched parking spaced exceeding an expiration time displaying upon said user's screen an UNPAID payment status indicia upon an image of the matched parking space, wherein the user may execute enforcement measures upon any vehicle in said matched parking space and said payment status is identified as UNPAID;

wherein said method transforms upon a computer location data of said plurality of parking spaces and payment status data of said plurality of parking spaces into indicia of UNPAID parking spaced upon the real time camera view on the screen of a user's device for enforcement.

13. The method for representing the parking status of claim 12 further comprising:

wherein said UNPAID payment status indicia includes the word UNPAID, a colored logo, a circle with a bar or a letter X.

14. The method for representing the parking status of claim 13 wherein said UNPAID payment status has a first color indicating UNPAID status for less than fifteen minutes and a second color indicating UNPAID status for more than fifteen minutes.

15. The method for representing the parking status of claim 12 wherein said UNPAID payment status indicia includes an audible signal transmitted from a computer server to the user's portable electronic device.

16. The method for representing the parking status of claim 12 further comprising:

said assembling a database upon a computer of said plurality of parking spaces including a location of a center of each of said plurality of parking spaces and a length for each of said plurality of parking spaces; and,

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displaying said the location and the length of said selected one of said plurality of parking spaces upon a real time camera view of a user's portable electronic device.

17. The method for representing the parking status of claim 12 further comprising:

said comparing upon a server the matched parking space to said list of expiration times and upon detecting the matched parking spaced exceeding an expiration time utilizing augmented reality upon said user's screen to denote an UNPAID payment status of an image of a matched parking space.

18. The method for representing the parking status of claim 12 further comprising:

said enrolling of said subscribers providing encryption of financial information related thereto.

19. The method for representing the parking status of claim 18 further comprising:

an enrollment of one of said subscribers cooperating with said updating of the subscriber database wherein a subscriber elects to depart a parking space before the expiration time for the parking space;

said enrollment permits a subscriber to request a refund of funds remaining when the subscriber elects to depart a parking space before the expiration time for the parking space;

said enrollment then returns that parking space as available to said database of said plurality of parking spaces parking spaces following the election of the departed subscriber; and,

wherein said method reduces those empty of said plurality of parking spaces before the expiration time and allows other subscribers to utilize those empty of said plurality of parking spaces.

20. A method for representing the parking status of a plurality of parking spaces to a screen of a user's portable electronic device upon a real time camera view, any of said at least one parking space being one of PAID for current payment and UNPAID upon exhaustion of payment, any of a plurality of subscribes utilize said method to reserve at least one of the plurality of parking spaces and then to pay for at least one of the plurality of parking spaces, the method comprising:

assembling a database of said plurality of parking spaces, said database including geographic locations of said plurality of parking spaces and time limits applicable to each of said plurality of parking spaces and storing said parking space database upon a computer server, a location of a center of each of said plurality of parking spaces and a length for each of said plurality of parking spaces, displaying said the location and the length of said selected one of said plurality of parking spaces upon a real time camera view of a user's portable electronic device;

updating a database of subscribers, said database including a list of parking spaces reserved by each subscriber, a list of parking spaces paid for by each subscriber, a list of the expiration times for each paid for parking space of each subscriber, and storing said subscriber database upon a computer server, and further including enrolling each of said subscribers into a membership plan for parking payment, said enrolling of said subscribers providing encryption of financial information related thereto;

calculating a location of said user, said calculating a location of said user adapted to utilize a location finding feature of said user's portable electronic device;

determining upon a computer server a location of one of said plurality of parking spaces by comparing the location of said user to said database of said

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plurality of parking spaces and selecting one of said plurality of parking spaces within three feet of the position of said user;

comparing upon a computer server the location of one of said plurality of parking spaces with said database of subscribers further comprising comparing upon a computer the location of one of said plurality of parking spaces against said list of parking spaces paid for by said subscribers for a match between said location and said list of parking spaces paid for by said subscribers wherein upon detecting a match between said location and said list of parking spaces paid for by said subscriber, comparing the matched parking space to said list of expiration times and further upon detecting the matched parking spaced exceeding an expiration time displaying upon said user's screen an UNPAID payment status indicia upon an image of the matched parking space, wherein the user may execute enforcement measures upon any vehicle in said matched parking space and said payment status is identified as UNPAID, said comparing upon a server the matched parking space to said list of expiration times and upon detecting the matched parking spaced exceeding an expiration time utilizing augmented reality upon said user's screen to denote an UNPAID payment status of an image of a matched parking space;

wherein said UNPAID payment status indicia includes the word UNPAID, a colored logo, a circle with a bar, a letter X, or an audible signal transmitted from a computer server to the user's portable electronic device, said colored logo including a first color indicating UNPAID status for less than fifteen minutes and a second color indicating UNPAID status for more than fifteen minutes;

an enrollment of one of said subscribers cooperating with said updating of the subscriber database wherein a subscriber elects to depart a parking space before the expiration time for the parking space, said enrollment permits a subscriber to request a refund of funds remaining when the subscriber elects to

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depart a parking space before the expiration time for the parking space, said enrollment then returns that parking space as available to said database of said plurality of parking spaces parking spaces following the election of the departed subscriber, wherein said method reduces those empty of said plurality of parking spaces before the expiration time and allows other subscribers to utilize those empty of said plurality of parking spaces; and,

wherein said method transforms upon a computer location data of said plurality of parking spaces and payment status data of said plurality of parking spaces into indicia of UNPAID parking spaced upon the real time camera view on the screen of a user's device for enforcement.

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ABSTRACT OF THE DISCLOSURE

A parking status system overlays upon images of a street, a lot, or a garage with representations of parked vehicles the status of any parking space shown in the image. A user retrieves the merged image with the vehicles parking in select spaces through a wireless communications network from the parking management computer system. The user then verifies payment status of multiple parking spaces simultaneously as the user patrols a beat on foot or in a vehicle. The present invention operates upon existing web browsers. The present invention allows a user to select any view within 360 degrees of the user's position in different sizes and while in motion. The present invention refreshes the status of parking spaces and subscriber vehicles at a regular interval. The invention transforms parking space, payment, and subscriber data into parking space status shown in real time to a user.

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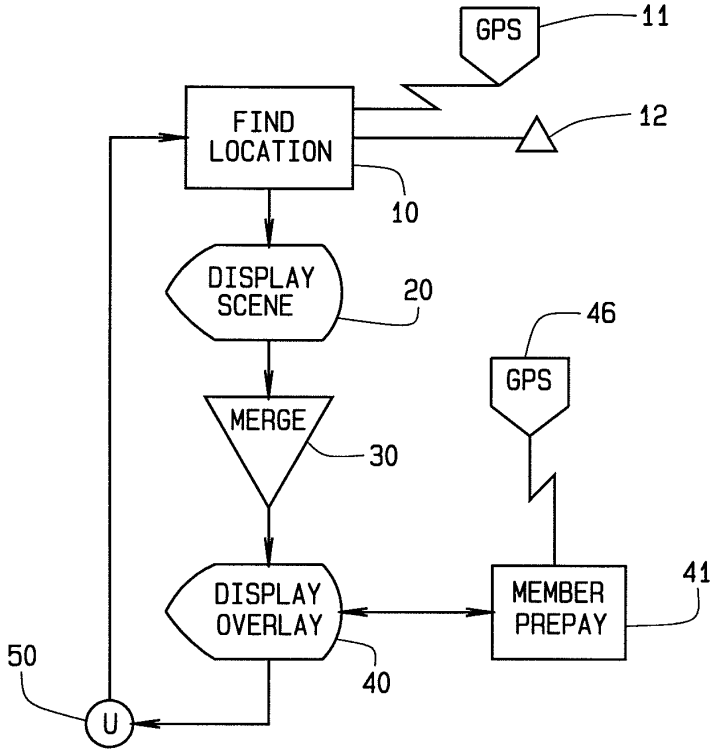

GPS
11
FIND LOCATION
12
10
DISPLAY SCENE
20
46
GPS
MERGE
30
DISPLAY OVERLAY
MEMBER PREPAY
41
40
50
U

FIG. 1

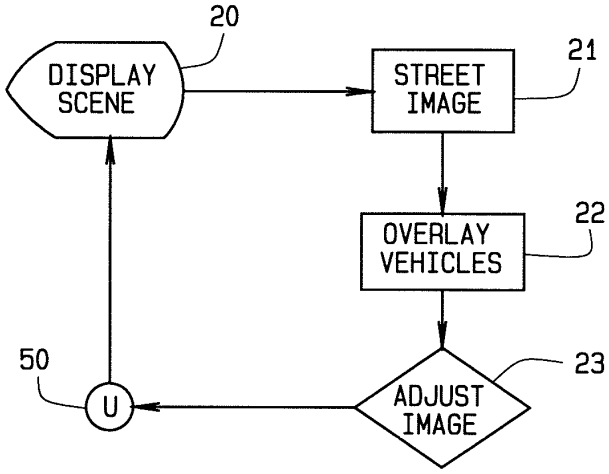

20
DISPLAY SCENE
STREET IMAGE
21
OVERLAY VEHICLES
22
50
U
ADJUST IMAGE
23

FIG. 2

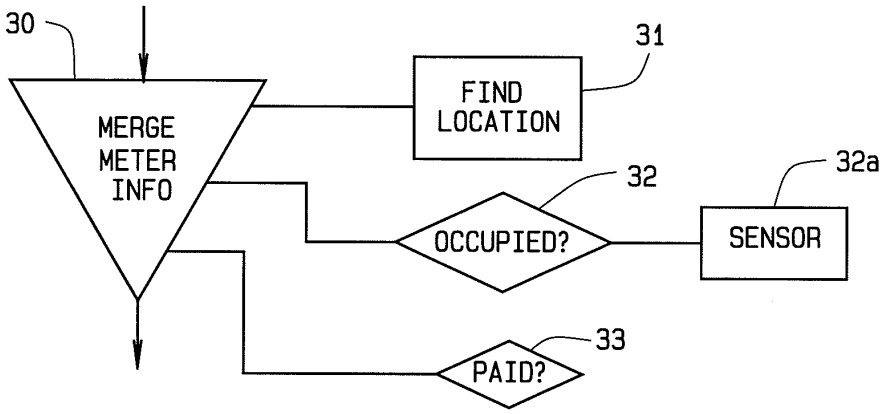


FIG. 3

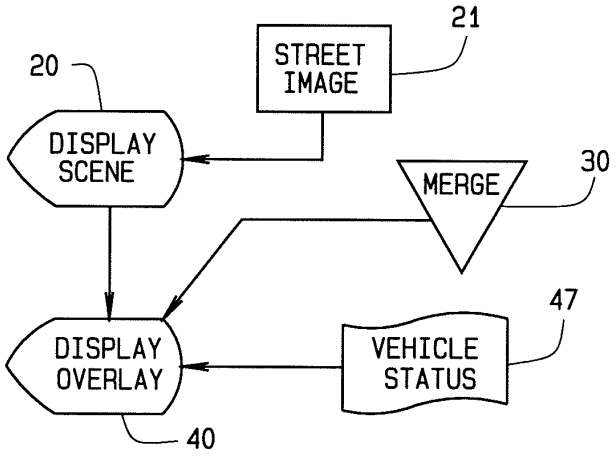


FIG. 4

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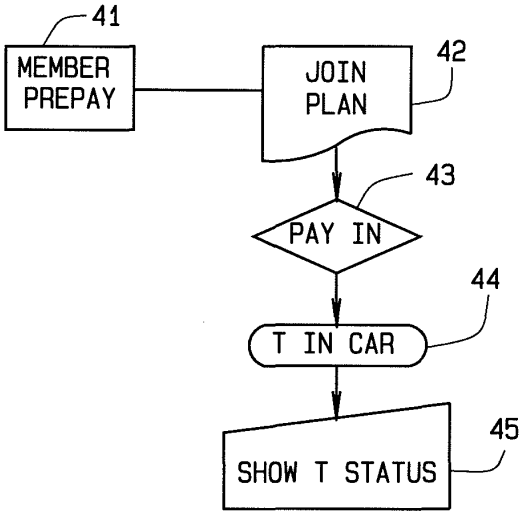


FIG. 5

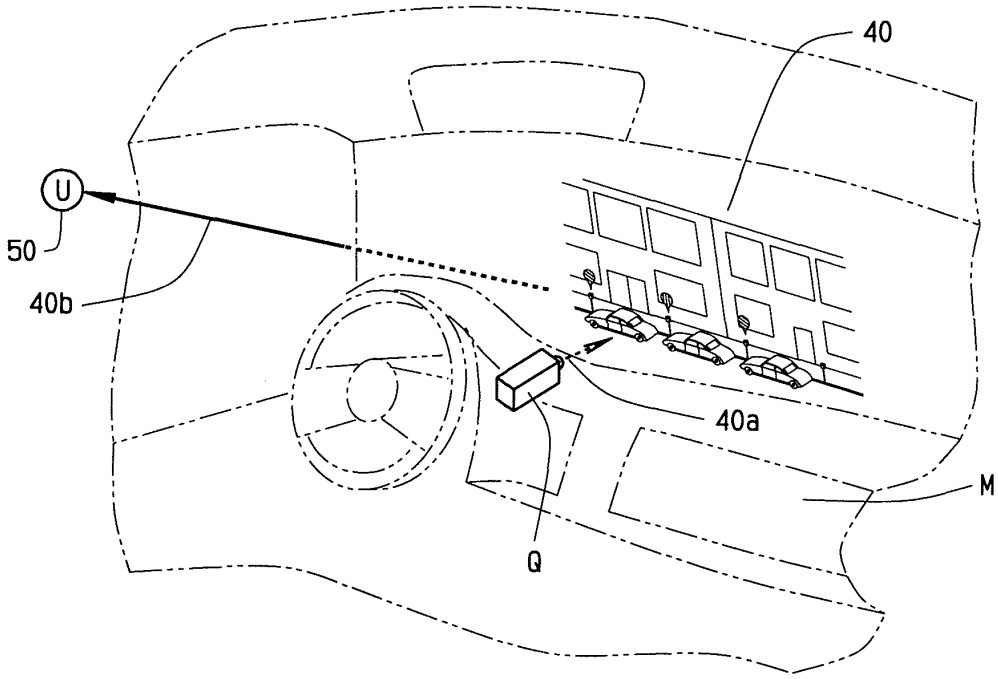


FIG. 7

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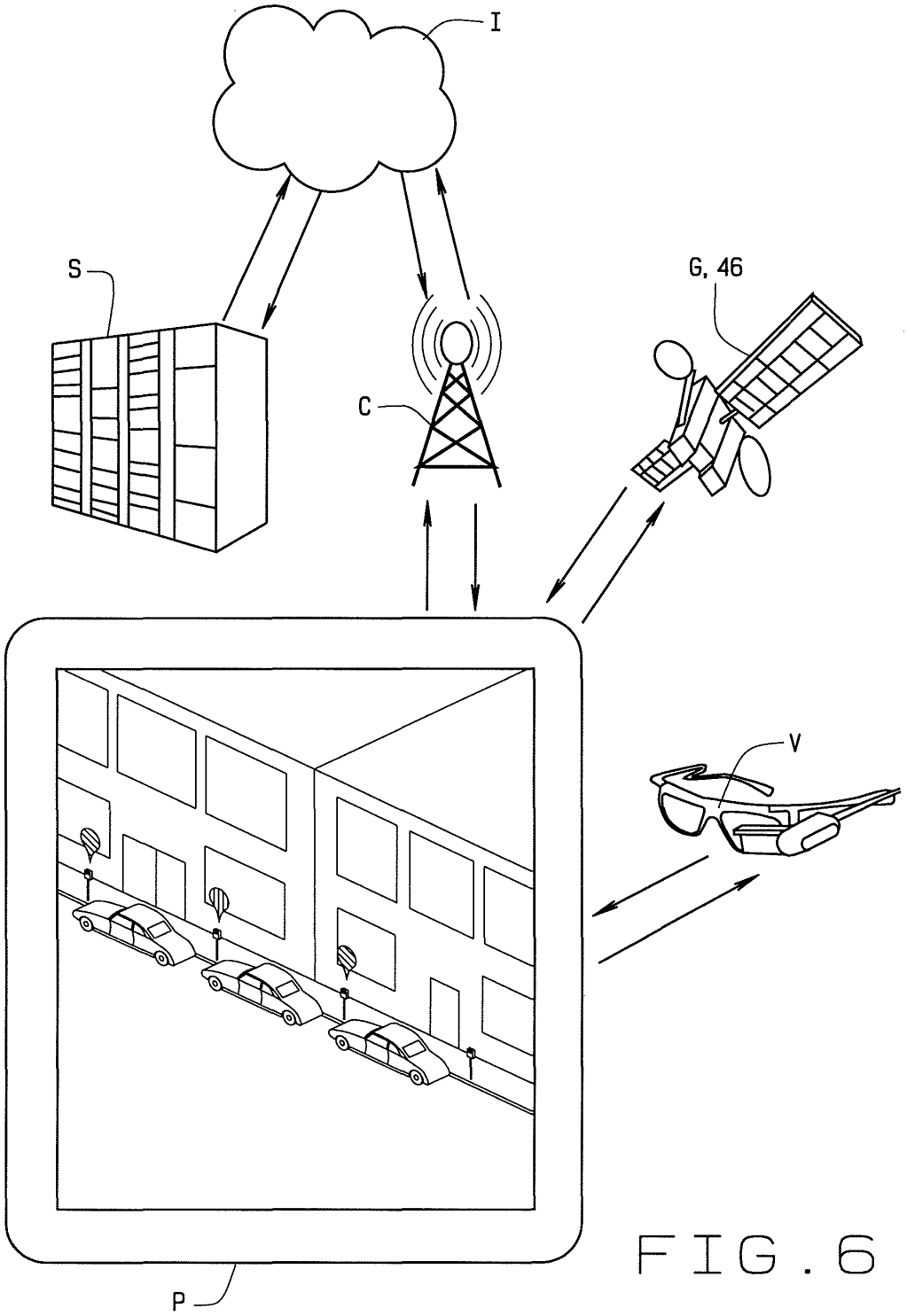


FIG. 6

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter of Parking Status System which is the specification which

(check one) ____x____ is attached hereto.
_____ was filed on _____ as
Application Serial No._____
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed: N/A.

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below: N/A

61/386,645	Sep. 27, 2010
Application Number	Filing Date

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as

defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

13/245385	Sep. 26, 2011
Application Number	Filing Date

I do hereby appoint Charles C. McCloskey, Patent Office registration No. 46,911, with offices at 13321 N. Outer 40 Rd. Ste. 100, Town & Country, MO 63017, Tel. No. (636) 527-9962, as my attorney and agent with full power of substitution and revocation, to prosecute the application above set forth, and to transact all business in the United States Patent and Trademark Office in connection therewith.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole inventor:	Gilad G. Bashani
Inventor's signature:	
Date:	11-26-2014
Residence:	City of Clayton State of Missouri
Citizenship:	U.S.A.
Post Office Address:	8331 University Dr. Clayton, MO 63105 U.S.A.

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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 14/562,149

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	70
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	150
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	180
TOTAL CLAIMS (37 CFR 1.16(i))	20 minus 20 =	*			OR	x 20 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*				x 105 =	0.00
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	400

APPLICATION AS AMENDED - PART II

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT A	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE($)	ADDITIONAL FEE($)		RATE($)	ADDITIONAL FEE($)
AMENDMENT B	Total (37 CFR 1.16(i))	*	Minus	**	=	x =		OR	x =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =		OR	x =	
	Application Size Fee (37 CFR 1.16(s))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/562,149	12/05/2014	2684	400	837	20	3

CONFIRMATION NO. 2753

27789
CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

FILING RECEIPT

OC000000072486572

Date Mailed: 12/19/2014

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

GILAD G. BASHANI, City of Clayton, MO;

Applicant(s)

GILAD G. BASHANI, City of Clayton, MO;

Power of Attorney:
Charles McCloskey IV--46911

Domestic Applications for which benefit is claimed - None.
A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

If Required, Foreign Filing License Granted: 12/17/2014

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/562,149**

Projected Publication Date: 06/09/2016

Non-Publication Request: No

Early Publication Request: No
**** MICRO ENTITY ****

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Title

PARKING STATUS SYSTEM

Preliminary Class

340

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

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LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit http://www.SelectUSA.gov or call +1-202-482-6800.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/562,149	12/05/2014	GILAD G. BASHANI	837

CONFIRMATION NO. 2753

27789
CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

NOTICE

OC000000072486573

Date Mailed: 12/19/2014

INFORMATIONAL NOTICE TO APPLICANT

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

A new inventor's oath or declaration that identifies this application (e.g., by Application Number and filing date) is required. The inventor's oath or declaration does not comply with 37 CFR 1.63 in that it:

- does not state that the above-identified application was made or authorized to be made by the person executing the oath or declaration.

  GILAD G. BASHANI

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Bashani, Gilad G.	**GAU: OIPE**
SERIAL NO: 14/562149	**EXAMINER: OIPE**
FILED: 12/05/2014	**St. Louis, Missouri**
FOR: Parking Status System	**Date: 01/27/2015**
	DN: 837

Mail Stop: OIPE
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

RESPONSE TO INFORMATIONAL NOTICE

Sir:

This is in response to the Informational Notice dated Dec. 19, 2014. The Notice did not identify a response period. This response is submitted before any Notice of Allowability has arrived, and no extension fee is due.

The Notice identified the declaration as filed omitted a sentence about authorizing the making of this Application. Kindly find attached as an appendix, a declaration including such a sentence. As this declaration is submitted after filing, a surcharge of $35 is provided.

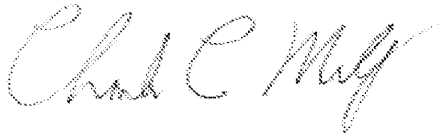
The filing receipt dated Dec. 19, 2014 noted a claim to domestic priority must appear in an Application Data Sheet besides in the declaration. Kindly find attached as an appendix an Application Data Sheet claiming priority to the parent application of this application as set forth in the declaration.

Also provided in this response are two Information Disclosure Statements.

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The Applicant believes the specification, claims, and drawings as filed and the latest declaration and Application Data Sheet put this application in condition for further processing towards examination and then allowance.

Respectfully Submitted,



Charles C. McCloskey
Attorney for Applicant
Pat. Off. Reg. No. 46,911
13321 N. Outer 40 Rd. Ste. 100
Town & Country, MO 63017
(636) 527-9962

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
Mr.	Gilad	G.	Bashani	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Clayton	State/Province	MO	Country of Residence	US

Mailing Address of Inventor:

Address 1	8331 University Dr.		
Address 2			
City	Clayton	State/Province	MO
Postal Code	63105	Country	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	27789		
Email Address	ccmlaw@socket.net	Add Email	Remove Email

Application Information:

Title of the Invention	PARKING STATUS SYSTEM		
Attorney Docket Number	837	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)		Suggested Figure for Publication (if any)	

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	27789		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation in part of	13245385	2011-09-26
Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
13425385	non provisional of	61386645	2010-09-27

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)[1] the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Remove Access Code[i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

Authorization to Permit Access:

☐ Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date o f filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◯ Assignee ◯ Legal Representative under 35 U.S.C. 117 ◯ Joint Inventor

◯ Person to whom the inventor is obligated to assign. ◯ Person who shows sufficient proprietary interest

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :

If the Applicant is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Applicant:

Address 1			
Address 2			
City		**State/Province**	
Country		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Non-Applicant Assignee Information:

Providing assignment information in this section does not subsitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section only if non-applicant assignee information is desired to be included on the patent application publication in accordance with 37 CFR 1.215(b). Do not include in this section an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest), as the patent application publication will include the name of the applicant(s).

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Oracle v. Parking WW
IPR2023-00385

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

If the Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Non-Applicant Assignee:

Address 1	
Address 2	

City		**State/Province**	
Country [i]		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee Data may be generated within this form by selecting the Add button.

Signature:

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Signature	/ggbby ccm/			Date (YYYY-MM-DD)	2015-01-26
First Name	Charles	Last Name	McCloskey	Registration Number	46911

Additional Signature may be generated within this form by selecting the Add button.

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

PTO/SB/08a (07-09)
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	14562149
Filing Date	12/05/2014
First Named Inventor	BASHANI, GILAD G.
Art Unit	
Examiner Name	
Attorney Docket Number	837

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 20020109610	15-08-2002	KATZ	
		US- RE38626	10-19-2004	KIELLAND	
		US- 201100991261	04-28-2011	BELANI	
		US- 20080055050	03-06-2008	BROWN	
		US-			
		US-			
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		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]–Number[4]–Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
		WO2005086097	15-09-2005	FRAIER		
		WO2002063243	08-15-2002	HUCKLE		

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Doc Code: MES.GIB
Document Description: Certification of Micro Entity Status (Gross Income Basis)

PTO/SB/15A (03-13)

CERTIFICATION OF MICRO ENTITY STATUS
(GROSS INCOME BASIS)

Application Number or Control Number (if applicable):	Patent Number (if applicable):
First Named Inventor: Bashani, Gilad G.	Title of Invention: Parking Status System

The applicant hereby certifies the following—

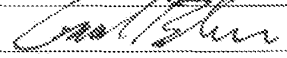
(1) **SMALL ENTITY REQUIREMENT** - The applicant qualifies as a small entity as defined in 37 CFR 1.27.

(2) **APPLICATION FILING LIMIT** - Neither the applicant nor the inventor nor a joint inventor has been named as the inventor or a joint inventor on more than four previously filed U.S. patent applications, excluding provisional applications and international applications under the Patent Cooperation Treaty (PCT) for which the basic national fee under 37 CFR 1.492(a) was not paid, and also excluding patent applications for which the applicant has assigned all ownership rights or is obligated to assign all ownership rights as a result of the applicant's previous employment.

(3) **GROSS INCOME LIMIT ON APPLICANTS AND INVENTORS** - Neither the applicant nor the inventor nor a joint inventor, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986 (26 U.S.C. 61(a)), exceeding the "Maximum Qualifying Gross Income" reported on the USPTO website at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.

(4) **GROSS INCOME LIMIT ON PARTIES WITH AN "OWNERSHIP INTEREST"** - Neither the applicant nor the inventor nor a joint inventor has assigned, granted, or conveyed, nor is under an obligation by contract or law to assign, grant, or convey, a license or other ownership interest in the application concerned to an entity that, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986, exceeding the "Maximum Qualifying Gross Income" reported on the USPTO website at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.

SIGNATURE by a party set forth in 37 CFR 1.33(b)

Signature					
Name	Gilad G. Bashani				
Date	11/26/2014	Telephone	3145677800	Registration No.	n/a

☐ There is more than one inventor and I am one of the inventors who are jointly identified as the applicant. Additional certification form(s) signed by the other joint inventor(s) are included with this form.

Electronic Patent Application Fee Transmittal

Application Number:	14562149
Filing Date:	05-Dec-2014
Title of Invention:	PARKING STATUS SYSTEM
First Named Inventor/Applicant Name:	GILAD G. BASHANI
Filer:	Charles McCloskey
Attorney Docket Number:	837

Filed as Micro Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Late Filing Fee for Oath or Declaration	3051	1	35	35
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**35**

Electronic Acknowledgement Receipt	
EFS ID:	21318547
Application Number:	14562149
International Application Number:	
Confirmation Number:	2753
Title of Invention:	PARKING STATUS SYSTEM
First Named Inventor/Applicant Name:	GILAD G. BASHANI
Customer Number:	27789
Filer:	Charles McCloskey
Filer Authorized By:	
Attorney Docket Number:	837
Receipt Date:	27-JAN-2015
Filing Date:	05-DEC-2014
Time Stamp:	12:46:13
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$35
RAM confirmation Number	10473
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Applicant Response to Pre-Exam Formalities Notice	DN837_response_missing_parts.pdf	60875 cc34ca859a3dc7f57f4ef8ddf709b775ae2787f9	no	2
Warnings:					
Information:					
2	Application Data Sheet	DN837_ADS.pdf	97882 28db7dbc0ea2fc81196b98a79ddc3ff14ee93fb8	no	5
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
3	Information Disclosure Statement (IDS) Form (SB08)	DN837_IDS.pdf	114512 debf4ffe15e22a654fba45641c2a9ef947f3a673	no	1
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	Information Disclosure Statement (IDS) Form (SB08)	DN837_IDS2.pdf	114650 ffb7922e6dd38c8f4de77b8ace93f2eb3648a0a7	no	1
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
5	Certification of Micro Entity (Gross Income Basis)	DN391_micro_signed.pdf	1028712 0778dd06736df6fbc12d89f94e1bc0e0305a18fa	no	1
Warnings:					
Information:					
6	Fee Worksheet (SB06)	fee-info.pdf	30244 931c3c90961164346efa0fee5f029a2b3e3abe8a	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1446875		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/08a (07-09)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	14562149
Filing Date	12/05/2014
First Named Inventor	BASHANI, GILAD G.
Art Unit	
Examiner Name	
Attorney Docket Number	837

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 2006/0059037	03-16-2006	IVEY & JANACEK	
		US- 2004/0133464	07-08-2004	ERSKINE	
		US- 2004/0068433	04-08-2004	CHATTERJEE	
		US- 6340935	01-22-2002	HALL	
		US- 2004/0181496	09-16-2004	ODINOTSKI	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]–Number[4]–Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/562,149	12/05/2014	GILAD G. BASHANI	837

CONFIRMATION NO. 2753

27789
CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

PUBLICATION NOTICE

OC000000083539265

Title:PARKING STATUS SYSTEM

Publication No.US-2016-0163119-A1
Publication Date:06/09/2016

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

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In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently http://pair.uspto.gov/. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

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Office of Data Managment, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/562,149	12/05/2014	GILAD G. BASHANI	837	2753

27789 7590 08/03/2017
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EXAMINER	
MOLNAR, HUNTER A	

ART UNIT	PAPER NUMBER
3628	

MAIL DATE	DELIVERY MODE
08/03/2017	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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IPR2023-00385

First Action Interview Pilot Program Pre-Interview Communication	**Application No.** 14/562,149	**Applicant(s)** BASHANI, GILAD G.	
	Examiner Hunter Molnar	**Art Unit** 3628	**AIA Status** Yes

-The MAILING OR NOTIFICATION DATE of this communication appears on the cover sheet with the correspondence address -

THE SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE **ONE MONTH OR THIRTY (30) DAYS,** WHICHEVER IS LONGER, FROM THE MAILING OR NOTIFICATION DATE OF THIS COMMUNICATION.

This time period for reply is extendable under 37 CFR 1.136(a) for only ONE additional MONTH.

This communication constitutes notice under 37 CFR 1.136(a)(1)(i).

Applicant must, within the time period for reply, file: (1) A letter requesting not to have a first action interview; (2) A reply under 37 CFR 1.111 waiving the first action interview and First Action Interview Office Action; or (3) An Applicant Initiated Interview Request Form (PTOL-413A) electronically via EFS-Web, accompanied by a proposed amendment or arguments, and schedule the interview within 2 months from the filing of the request. A failure to respond to this communication will be treated as a request not to have an interview. If applicant waives the First Action Interview Office Action, the instant Pre-Interview Communication is deemed the first Office Action on the Merits. The next subsequent Office action may be made final if appropriate. See MPEP 706.07(a).

Status

1) ☑ Responsive to communication(s) filed on 12/05/2014 .

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____ .

Disposition of Claims

2) ☑ Claim(s) 1-20 is/are pending in the application.

2a) Of the above claim(s) _____ is/are withdrawn from consideration.

3) ☐ Claim(s) _____ is/are allowed.

4) ☑ Claim(s) 1-20 is/are rejected.

5) ☐ Claim(s) _____ is/are objected to.

6) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

7) ☐ The specification is objected to by the Examiner.

8) ☑ The drawing(s) filed on 12/05/2014 is/are: a) ☑ accepted or b) ☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

9) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some * c) ☐ None of:

1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

*See the attached detailed Office action for a list of the certified copies not received.

Contact Information

Examiner's Telephone Number: (571)272-8271

Examiner's Typical Work Schedule: Monday - Friday, 8:00 - 5:00 EST

Supervisor's Name: Kevin Flynn

Supervisor's Telephone Number: (571)270-3108

Attachment(s)	
1) ☑ Notice of References Cited (PTO-892)	3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
2) ☑ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____ .	4) ☐ Other: _____ .

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First Action Interview Pilot Program Pre-Interview Communication	**Application No.** 14/562,149	**Applicant(s)** BASHANI, GILAD G.	
	Examiner Hunter Molnar	**Art Unit** 3628	**AIA Status** Yes

Notification of Rejection(s) and/or Objection(s)

#	Claim(s)	Reference(s) (if applicable)	Rejection Statutory Basis	Brief Explanation of Rejection
1	1, 6, 9, 10, 12 , 17, 20	NA	Claim Objections	Claim 1 lines 29 and 36 reads "parking spaced" but shoud read "parking space." Claim 9 line 4, Claim 10 line 3, Claim 12 lines 5 and 12, Claim 17 line 4, and Claim 20 lines 37, 43, and 63 are objected to for a similar reason. Claim 1 line 5 further reads "of subscribes" which should read
2	1-20		112(b)	Claim 1 line 28 reads "spaces paid for by said subscriber" but previously mentioned "spaces paid for by said subscribers" rendering it unclear if the claim is limited only to spaces paid for by a single subscriber at this point. The examiner interprets claim 1 line 28 to be read "spaces paid for by
3	1-20	NA	101	Claims 1-20 are rejected under 35 USC 101 because they are directed to an abstract idea without significantly more. Claims 1-20 are directed to the abstract idea "monitoring the status of parking spaces" as described by the "assembling," "updating" "calculating," "determining," " comparing," etc.
4	1, 3, 6, 8-9 12-13, 15, 17	A, N	103	**Claim 1:** Bashani teaches a method for representing the parking status of a pluirality of parking spaces to a screen of a user's portable electronic device upon a real time camera view, any of said at least one parking space being one of PAID for current payment and UNPAID upon exhaustion of payment
5	2, 10, 11	A, N, B, C	103	**Claim 2**: A discloses parking locations as shown above, but A/N do not explicitly disclose the limitations of claim 2. However, B discloses said assembling a database upon a computer of said plurality of parking spaces including a location of a center of each of said plurality of parking spaces and

Expanded Discussion/Commentary		
1		"of subscribers" (also see similar issue in claim 12, line 5 and claim 20 line 5). Claim 1 line 5 reads "utilize" but should read "utilizing" (also see claim 9 line 5 and claim 20 line 5). Claim 6 reads "overlaid upon," but should read "overlaying upon." Claim 20 reads "storing said parking space database" examiner interprets that line 10 should read along the lines of "storing on said parking space database."
2		said subscribers" in light of the above. Claim 1 recites "said method transforms upon a computer location data...into indicia...upon the real time camera view on the screen of a user's device," and therefore is unclear how the transform step is completed upon a computer, but also seems to recite being transformed upon a "real time camera" view on the screen of a user's device. Examiner interprets the transform step to occur on any computer, wherein the indicia (i.e. result) of the transform step is displayed on the user device. See claims 12 and 20 rejected for a similar issue. Claims 2-11 and 13-19 rejected by virtue of dependence on claims 1 and 12 respectively. Regarding claims 4 and 5, there is insufficient
2		antecedent basis for "said opening an encrypted account" in the claims. Further regarding claiim 5, there is insufficient antecedent basis for "the subscriber database" in the claims. making it unclear if a database is updated when a subscriber departs, or whether the "updating" and "depart" steps occur separately. Examiner interprets this to mean updating a database when a subscriber departs before the expiration time. It is further unclear what is meant by "those empty of said plurality of parking spaces before expiration time" as this can be interpreted to mean 1) the reducing of empty spaces occurs before the expiration time, or i2) reducing the occurence of spaces being left empty with time
2		remaining. The examiner interprets claim 5 in accordance with the second scenario (Claims 19 and 20 rejected for a similar issue).
3		steps of claim 1 and the similar steps of claims 12 and 20. The abstract idea is similar to concepts the courts identified as an idea 'of itself' such as a uninstantiated plan, a process that can be completed by the human mind, or a by a human with pen and paper similar to collecting information, analyzing, and displaying the results of the collection and analysis of Electric Power Group. Independent claim 1, 12, and 20 do not recite any additional elements that amount to significantly more than the abstract idea. The server, database, and computer as recited are generic computers involved in performing generic computer functions such as updating, receiving, calculating, etc. In addition the portable
3		electronic device is mainly involved in providing location (which has no particular mechanism besides "location finding feature"), receiving data, and then displaying it on the device. The augmented reality recited in claim 20 and various claims dependent from claim 1/12 are overlaying information on top of an image, which does not amount to significantly more than the abstract idea. Regarding the encryption used in claim 20 and various dependent claims, the encryption is merely recited but does not perform any significant function in the claimed invention. In addition, the real-time camera view is recited but not further described in the claims with respect to any particular camera function, which does

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First Action Interview Pilot Program Pre-Interview Communication	Application No. 14/562,149	Applicant(s) BASHANI, GILAD G.	
	Examiner Hunter Molnar	Art Unit 3628	AIA Status Yes

Notification of Rejection(s) and/or Objection(s)

#	Claim(s)	Reference(s) (if applicable)	Rejection Statutory Basis	Brief Explanation of Rejection
6	16	A, N, B	103	**Claim 16**: See the teachings of B (showing location information with center/length of space) and rationale for combination with A/N of claim 2 for first limitation. See the teachings of N (displaying parking space shapes on screen) of claim 11 for second limitation. It would have been obvious..
7	4, 18	A, N, D	103	**Claim 4**: A/N do not explicitly disclose opening an encrypted account. However, D does disclose opening an encrypted account for each of said subscribers (D: 0043 when a card is used, the user ID is linked to an account; 0065 ID card swiped to pay for parking and account information is encrypted)...
8	5, 19	A, N, D, F	103	**Claim 5:** A discloses said opening an encrypted account cooperating...for the parking space (A: 0056), but does not disclose the remaining limitations of claim 5. However, F discloses said encrypted account permits...request refund...for the parking space (F: 0062-0064 refund for unused parking time)
9	7, 14	A, N, E	103	**Claim 7**: A discloses different colors indicating parking status in paras 0056-0057 but does not indicate different colors at expiration and after 15 minutes of expiration. However, E discloses in paras 0066, 0100, and 0197 indicating a grace period for a user to pay by a yellow light, which in para
10	20	A, B, N, D, E, F	103	**Claim 20**: A discloses "A method...comprising" (A: 0057, 0045, 0048, 0060-0061); " assembling...time limits applicable to...spaces" (A:) A does not explicitly disclose "storing...a location of a center...a length...spaces", but B discloses this limitation (B: 0042-0043). It would have been obvious..

Expanded Discussion/Commentary		
3		not amount to significantly more than the abstract idea. None of the remaining dependent claims recite any elements that amount to significantly more and do not alter the analysis above. None of the functions of independent claims 1, 12 and 20, whether taken alone or in ordered combination amount to significantly more than the abstract idea. Nothing in claims 1, 12, and 20 improves another technology, the function of any claimed hardware device itself, or includes any elements that may otherwise be considered to amount to significantly more than the abstract idea. None of the limitations of their respective dependent claims, 2-11 and 13-19, whether considered separately or in ordered combination,
3		overcome or otherwise alter the analysis presented above.
4		(A: 0057 unpaid and paid status of spaces on portable device, 0045 real time camera view), any of a plurality of subscribes utilize said method to reserve at least one of the plurality of parking spaces and then to pay for at least one of the plurality of parking spaces, the method comprising (A: 0048 Pay & Go to reserve and pay for specific spot with credit/debit card; see 0060-0061 showing account creation and payment): assembling a database upon a computer of said plurality of parking spaces (A: 0053 parking space ID number corresponds to database), said database including geographic locations of said plurality of parking spaces (A: 0053 showing positions/locations of spaces) and
4		time limits applicable to each of said plurality of parking spaces (A: 0048 subscriber can pay by the hour or pay for a membership); updating a database upon a computer of subscribers, said database including a list of parking spaces reserved by each subscriber, a list of parking spaces paid for by each subscriber (A: 0060 showing subscriber payment/parking information, 0065 database of subscribers; see 0048 showing specific spaces are paid for; 0057 paid spaces determined and displayed) and a list of the expiration times for each paid for parking space of each subscriber (A: 0048 showing "paid for" time remaining; 0054 showing a start time and end time for parking); calculating a location of said user,
4		said calculating a location of said user adapted to utilize a location finding feature of said user's portable electronic device (A: 0044 determining position from a GPS on portable device); With respect to the limitation "determining upon a computer a location of one of said plurality of parking spaces by comparing the location of said user to said database of said plurality of parking spaces and selecting one of said plurality of parking spaces within three feet of the position of said user," A discloses in para 0044 determining position from a GPS on portable deviceA discloses in para 0048 that the parking server knows the location of the parking spaces, and in para 0053 the location of spaces is identified using the
4		position of the parking control officer, but does not disclose selecting one of said plurality of parking spaces within three feet of the position of the user. However, N discloses each space has an RFID tag with information associated with the parking space in the parking registry, where using NFC proximity is equivalent to dialing in a parking space number (N:Pg. 33 Ln. 1-10) inspector brings mobile phone within close proximity to one of the parking space RFID tags (N: Pg. 33 Ln. 16-25), where NFC communications operated within a few centimeters, i.e. less than three feet (N: Pg. 32 Ln. 25-29). At the time the invention was filed, it would have been obvious to have combined NFC of N in the system of

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First Action Interview Pilot Program Pre-Interview Communication	Application No. 14/562,149	Applicant(s) BASHANI, GILAD G.	
	Examiner Hunter Molnar	Art Unit 3628	AIA Status Yes

Notification of Rejection(s) and/or Objection(s)

#	Claim(s)	Reference(s) (if applicable)	Rejection Statutory Basis	Brief Explanation of Rejection

Expanded Discussion/Commentary

4		A with a reasonable expectation of success, and doing so would solve the problem that "the "response range" of the previously mentioned short range communication devices as Bluetooth or ZigBee, or UWB, or Wi-Fi systems is too long for identifying only a single parking space" (N: Pg. 32 ln 11-14). A further discloses comparing upon a computer the location of one of said plurality of parking spaces with said database of subscribers further comprising comparing upon a computer the location of one of said plurality of parking spaces against said list of parking spaces paid for by said subscribers for a match between said location and said list of parking spaces paid for by said subscribers
4		(A: 0053-0054 showing parking space location used to obtain subscriber information for the spaces) upon detecting a match between said location and said list of parking spaces paid for by said subscriber, comparing the matched parking space to said list of expiration times and upon detecting the matched parking spaced exceeding an expiration time displaying upon said user's screen an UNPAID payment status upon an image of the matched parking space (A: 0057 expired subscription vehicles are shown on user's screen as unpaid), wherein the user may execute enforcement measures upon any vehicle in said matched parking space wherein said payment status is identified as UNPAID
4		(A: 0057 showing ticket may be issued; 0049 enforcement measures); wherein said method transforms upon a computer location data of said plurality of parking spaces and payment status data of said plurality of parking spaces into indicia of UNPAID parking spaced upon the real time camera view on the screen of a user's device for enforcement (A: 0057 showing unpaid indicia on user's screen, 0046 showing parking status overlaid on real time visual image). **Claim 3:** A further discloses opening an account for each of said subscribers wherein said account permits each of said subscribers to reserve at least one of said plurality of parking spaces and permits each of said subscribers to pay for at least one of
4		said plurality of parking spaces utilizing means of electronic payment (A: 0060-0061 account is opened and customers pay to park in a parking space electronically). **Claim 6**: A further discloses said UNPAID payment status including indicia overlaid upon said user's screen said indicia including the word UNPAID, a colored logo, a circle with a bar or a letter X (A: 0056 showing red symbol for unpaid vehicle; further see 0046 status displayed through color code and claim 9 for further clarification). **Claim 8**: A further discloses said UNPAID payment status including an audible recitation (A: 0065 voice recitation through speaker of portable device streamed from server). **Claim 9**: said comparing the matched
4		parking space to said list of expiration times and upon detecting the matched parking spaced exceeding an expiration time utilizing augmented reality upon said user's screen to denote an UNPAID payment status of an image of a matched parking space (A: 0054 showing augmented reality to overlay status on live visual image, 0057 showing unpaid status shown upon expired subscription vehicles on portable device). **Claim 12**: See claim 1 - In addition, A discloses storing said parking database upon a computer server (A: 0065 database of subscribers), and enrolling each of said subscribers into a membership plan for parking payment (A: 0060 membership and payment). **Claim 13**: See claim 6.
4		**Claim 15:** See claim 8, para 0065 of A also discloses streaming from a server. **Claim 17**: See claim 9.

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	Examiner Hunter Molnar	Art Unit 3628	AIA Status Yes

Notification of Rejection(s) and/or Objection(s)

#	Claim(s)	Reference(s) (if applicable)	Rejection Statutory Basis	Brief Explanation of Rejection
5				
6				
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Expanded Discussion/Commentary		
5		a length for each of said plurality of parking spaces (B: 0042-0043 showing 5 meter parking space with sensor in the middle; sensors are spaced 1 m apart in spaces); It would have been obvious to combine the parking location sensors of B in the system of A/N with a reasonable expectation of success, since the claimed invention is merely a combination of old elements, and in the combination each element merely would have performed the same functions as it did separately, and one of ordinary skill in the art would have recognized that the results of the combination were predictable.
5		A further discloses said comparing upon a computer the location of one of said plurality of parking spaces with said database of subscribers further comprising comparing upon a computer the locations said plurality of parking spaces against said list of parking spaces paid for by said subscribers [...] wherein said method displays an overlay of a shape of one of said parking spaces upon the screen of a user's device for verification of vehicle positions related to that one of said parking spaces (A: 0054 checking to see if subscriber is paying for parking locations; 0053 showing parking space sensors provide info used to overlay the spaces on the image of the spaces),
5		but A/N/B do not explicitly disclose the comparing stepfor two subscribers in adjacent ones of said plurality of parking spaces. However, C discloses in paras 0047-0048 that a camera may be used to monitor two spaces at once, therefore when included in the system of A/N/B, would cause both of the adjacent spaces to on the inspectors portable device. It would have been obvious to have included the cameras monitoring two spaces at once of C in the system of A/N/B since the claimed invention is merely a combination of old elements, and in the combination each element merely would have performed the same function as it did separately, and one of ordinary skill in the art would have
5		recognized that the results of the combination were predictable. **Claim 10:** A further discloses said comparing the matched parking space to said list of expiration times and upon detecting the matched parking spaced exceeding an expiration time utilizing augmented reality upon said user's screen to denote an UNPAID payment status of an image of a matched parking space (A: 0054 augmented reality to overlay status on live visual image, 0057 unpaid status on expired vehicles), and wherein said augmented reality overlays upon a user's screen showing at least one of said plurality of parking spaces (A: 0054 showing augmented reality to overlay status on live visual image of parking space).
5		A/N do not explicitly disclose the length of the spaces centered upon the location of one of the spaces, but B discloses a 5 m space with a sensor in the middle, and sensors spaced 1m apart in paras 0042-0043 as shown above, which in combination with A/N would provide this sensor data to the system of A modified by N and displayed via the augmented reality display. At the time the invention was filed, it would have been obvious to have included the parking location sensors of B in the system of A/N/B/C with the same reason shown above in claim 2. **Claim 11:** As shown above the system of A/N/B/C discloses an augmented reality overlay and a center/length associated with parking spaces. A does
5		not explicitly disclose showing the lengths of each parking space, where the lengths are centered upon the location of the parking spaces. However, N discloses in Fig. 6A and Pg. 26 ln 6-12, displaying on a user's screen the shape (lengths) and location of each space. It would have been obvious to combine the display of parking spaces of N in the system of A/N/B/C with a reasonable expectation of success, since the claimed invention is merely a combination of old elements, and in the combination each element merely would have performed the same functions as it did separately, and one of ordinary skill in the art would have recognized that the results of the combination were predictable.

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First Action Interview Pilot Program Pre-Interview Communication	Application No. 14/562,149	Applicant(s) BASHANI, GILAD G.	
	Examiner Hunter Molnar	Art Unit 3628	AIA Status Yes

Notification of Rejection(s) and/or Objection(s)

#	Claim(s)	Reference(s) (if applicable)	Rejection Statutory Basis	Brief Explanation of Rejection

Expanded Discussion/Commentary

6		to combine the display of parking spaces of N in the system of A/N/B with a reasonable expectation of success, since the claimed invention is merely a combination of old elements, and in the combination each element merely would have performed the same functions as it did separately, and one of ordinary skill in the art would have recognized that the results of the combination were predictable.
7		It would have been obvious to combine the encrypted account information of D in the system of A/N, since the claimed invention is merely a combination of old elements, and in the combination each element merely would have performed the same function as it did separately, and one of ordinary skill in the art would have recognized that the results of the combination were predictable. **Claim 18:** See rejection and rationale for combination of claim 4 (D the information encrypted is payment account information).
8		It would have been obvious to have combined the method of refund of F in the system of A/N/D/F with the motivation that "Consumers…want the benefits of only paying for what they use…when using pay up-front systems, like minutes on a parking meter" (F: 0011). A further discloses the remaining two limitations, see para 0053. **Claim 19:** See the relevant rejection and rationale for combination of claim 5.
9		0197 is a fifteen minute period to pay; otherwise as in para 0066/0100 the light will turn red after the grace period. It would be obvious to combine the color indication of parking expiration of E in the system of A/N with the motivation that "there is a need for improved parking lot and ramp management systems that addresses some or all of the drawbacks of conventional systems" (E: para 0003). **Claim 14**: See the rejection and rationale for combination of claim 7.
10		to combine the disclosed features of B in the system of A with a reasonable expectation of success, since the claimed invention is merely a combination of old elements, and in the combination each element merely would have performed the same functions as it did separately, and one of ordinary skill in the art would have recognized that the results of the combination were predictable. A/B do not disclose the limitation " displaying said the location...upon...a user's portable device," but N discloses displaying shapes of parking spaces that have center and length (N: Fig. 6A and Pg. 26 ln 6-12). It would have been obvious to combine the display of parking spaces of N in the system of A/B with a
10		reasonable expectation of success, since the claimed invention is merely a combination of old elements, and in the combination each element merely would have performed the same functions as it did separately, and one of ordinary skill in the art would have recognized that the results of the combination were predictable. A further discloses "updating...a list...and storing...and further enrolling...for parking payment" (A: 0060 showing subscriber payment/parking information, 0065 database of subscribers; see 0048 showing specific space; 0057). A/B/N do not disclose the limitation "providing encryption of financial information...," but D discloses encryption of financial info in paras 0043 and 0065. It would have

DATE: 01 August 2017	/HUNTER A MOLNAR/ Examiner, Art Unit 3628	/KEVIN H FLYNN/ Supervisory Patent Examiner, Art Unit 3628

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First Action Interview Pilot Program Pre-Interview Communication	Application No. 14/562,149	Applicant(s) BASHANI, GILAD G.	
	Examiner Hunter Molnar	Art Unit 3628	AIA Status Yes

Notification of Rejection(s) and/or Objection(s)

#	Claim(s)	Reference(s) (if applicable)	Rejection Statutory Basis	Brief Explanation of Rejection

Expanded Discussion/Commentary

10		been obvious to include the encryption of D in the system of A/B/N, since the claimed invention is merely a combination of old elements, and in the combination each element merely would have performed the same function as it did separately, and one of ordinary skill in the art would have recognized that the results of the combination were predictable. A further discloses "calculating a location...device" (A: 0044). A discloses " determining....parking space" (A: 0048, 0053) but not within three feet of the position of said user. However, as in claim 1, N discloses this via NFC technology (N: Pg. 33 ln 1-10, Pg. 33 ln 16-25, Pg. 32 ln. 25-29). It would have been obvious to include the NFC of N in the system of
10		A/B/N/D for the same reasons shown above in claim 1 (solving problems associated with longer range technologies that could not pin point a particular parking spot by itself). A further discloses "comparing upon a computer server....detecting a match between said location....paid for by said subscriber" (A: 0053-0054 as in claim 1), "comparing the matched parking space...upon an image of the matched parking space" (A: 0057 as in claim 1), "wherein the user may execute enforcement...UNPAID" (A: 0057, 0049 as in claim 1), "said comparing....utilizing augmented reality...parking space" (A: 0054 and 0057 as seen in claim 9); "wherein said UNPAID...electronic device" (A: 0056, 0046, as in claim 1).
10		A/B/N/D do not disclose "said colored logo...less than fifteen minutes....and a second color indicating...more than fifteen minutes." However, E discloses in paras 0066, 0100, and 0197 indicating a grace period for a user to pay by a yellbut 0197 is a fifteen minute period to pay; otherwise as in para 0066/0100 the light will turn red after the grace period. It would be obvious to combine the color indication of parking expiration of E in the system of A/B/N/D with the motivation that "there is a need for improved parking lot and ramp management systems that addresses some or all of the drawbacks of conventional systems" (E: para 0003). A further discloses "an enrollment..updating...before the expiration time for the
10		parking space" (A: 0056). A does not disclose the limitation "said enrollment permits...empty of said plurality of parking spaces." However, F discloses this limitation (F: 0062-0064 refund for unused parking time). It would have been obvious to have combined the method of refund of F in the system of A/B/N/D/E with the motivation that "Consumers…want the benefits of only paying for what they use…when using pay up-front systems, like minutes on a parking meter" (F: 0011). A also discloses in para 0056 the parking space is made available for other users if a subscriber leaves before the time has expired. A further discloses the final limitation of claim 10 "wherein said method transforms...for
10		enforcement" (A: 0057 showing unpaid indicia on user's screen, 0046 showing parking status overlaid on real time visual image).

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	14/562,149	BASHANI, GILAD G.
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Notice of References Cited	Application/Control No. 14/562,149	Applicant(s)/Patent Under Reexamination BASHANI, GILAD G.	
	Examiner Hunter Molnar	Art Unit 3628	Page 1 of 1

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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
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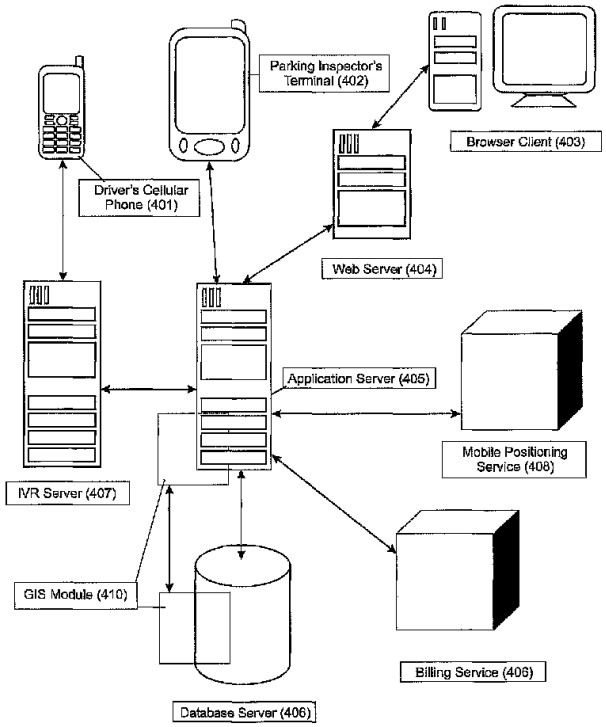
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[Continued on next page]

(54) **Title:** PARKING MANAGEMENT SYSTEM AND METHOD



(57) **Abstract:** A parking management system and method are disclosed, allowing a motorist to report and pay for parking session, wherein the system recognizes the parking region automatically, and thus the motorist does not have to bother with dialing too much long codes. The system further allows for improving and measuring in real time the performances of parking inspectors communicating with the system through wireless mobile devices, by providing a facile way for the inspectors to recognize parking infringements, by guiding them through optimal inspection routes with no need to bother with checking parking validity of every parking vehicle. Only unpaid parking spaces are to be checked. Vehicle motorists having free parking rights are also ought to report their parking sessions, although being billed zero. Accordingly, the municipality has full information, and thus full and real time control, on the city parking status and on its parking services. Said management system and method my further comprise modules for full real time city management, including real time feedback and follow-up on a plurality of municipal mobile workers and municipal facilities, whose location and identity being recognized and controlled by the system in a similar manner as parking inspectors and parking facilities are identified.

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PARKING MANAGEMENT SYSTEM AND METHOD

FIELD OF THE INVENTION

This invention relates to the field of municipal parking systems, and more specifically to parking systems allowing to pay for parking via mobile communication devices.

BACKGROUND OF THE INVENTION

Parking spaces and services in urban areas become nowadays a critical issue for lowering traffic jam in city centers. Municipalities become more and more aware of the need to treat parking spaces as a precious resource and optimize both their benefits for the public and their income for the municipality. Currently there are no known methods of controlling in real time a city's parking status, nor methods to provide drivers with such information.

Typically, in an urban or suburban area, the municipality will provide the public with parking spaces on a pay for time basis. Hourly parking tickets are sold in kiosks and sometimes parking meters are installed that accept coins in return for time on the meter. All those means permit a relatively short total amount of time for parking, e.g., a three hour limit, before the time on the meter expires and the vehicle owner is punished with a parking fine. In order to avoid it, the vehicle owner/driver must return to the meter and insert more coins (or change the ticket) before its parking time is expired, a very inconvenient action in many cases and also predisposed to "forgetfulness". All the existing widespread parking methods are not flexible in the sense that the municipality is not able to change the parking tariff versus hour of the day, or differential tariff for additional parking hours, or for special dates, etc.

The municipalities are employing parking inspectors, who inspect all streets and each parking meter and check on each car parking in the street, whether it carries a valid parking ticket or paid the parking meter. In order to enforce the municipality parking laws there is a need for large numbers of street parking inspectors, a financial drawback

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that brings the operational cost of the parking enforcement to about 80% of all the revenues, just on the limit of profitability. As everybody knows, a non-profitable service is not very promising nor for the municipality nor for the urban population which can suffer a lot from an uncontrolled parking chaos.

A parking management system that will provide a municipality with a control on its parking services is thus required. Such system has to be user friendly for motorists and for parking inspectors, eliminating bothering procedures involved with the payment for parking sessions, in order to comply with other payment methods such as tickets and parking meters which does not provide the municipality with real time information on its parking services.

Different prior art systems allowing to pay for parking sessions via mobile devices disclose non user-friendly processes for activating parking sessions, which require entry of long complicated codes by the user for specifying the parking space for which he pays and for identifying his vehicle. Furthermore they do not allow for real time control on municipal parking services and on the performances of parking inspectors.

SUMMARY OF THE INVENTION

The present invention relates to a simple and flexible parking management system. The present invention further relates to a parking management method. .The system and the method may further include modules or units for the management of additional municipal services.

The disclosed system enables parking registration and payments from any common cellular phone and an easy real time detection of unauthorized occupancies by the municipal parking inspector. The parking management system of the present invention comprises a parking status registry storing data relating to a plurality of parking spaces and respective payment status identifiers, a communication server coupled to the parking status registry for receiving incoming requests from a plurality of wireless mobile devices and for retrieving from the requests data relating to user ID (useful for identifying the payer), location data of a wireless mobile device used to request a specified parking space (useful for identify the region ID to which the street or parking lot in which the user wants to park belongs), and to parking space code (useful

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for identifying a specific parking space), and for providing retrieved data to the parking status registry, and a billing unit capable of calculating parking fees and debiting clients of the system according to parking sessions reported by said clients to the at least one communication server. The innovative management system being responsive to the location data of a requested parking space determined from a location of the driver's mobile device for distinguishing between parking spaces having identical parking space codes in different country areas (e.g. different city quarters, different cities, different provinces, or different states, or other different places that are distinguishable according to location data of mobile device that may be retrieved automatically).

According to the present invention users carrying a cellular phones and using cellular networks that provide the caller ID (according to alternative embodiment the phone number can be inputted by the user/driver) and its approximate location, will be able to dial a short parking (or other) service number and then to overdial the number or alphanumeric string that marks a specific parking lot facility or street and parking space (or any other entity), whose location is known to a server, and pay for the said parking space (or in other applications activate another kind of service that belongs to the identified entity), without needing any special hardware on the user's side. Optionally in an alternative embodiment the driver enters said numbers by pronouncing them, in which case an IVR Server using Automatic Speech Recognition (ASR) unit, accomplishes the parking task.

According to one preferred embodiment the communication server handles interfacing to the cellular phones (or to any alternative wireless mobile device), while the billing unit handles payments.

The system of the present invention identifies the parking spaces by a parking space ID that comprises a region ID code and a parking space code. The system is adapted to determine the respective region ID code associated with a requested client parking session as a function of the location of the drivers' mobile device, and to determine the space code by reading a respective entry from the mobile device. The system uses the cellular location identification system of the driver's cellular phone (according to other embodiments a GPS enabled device may also provide the required location data, and according to further embodiments the system is also responsive to an RF Tag in the vicinity of the user which can automatically be read by his mobile device

for providing the user's location) to identify the said region ID, while a short code displayed on a marking-sign (a 4-6 digit number or optionally other alphanumeric code) for marking the street and parking space, being placed nearby the parking space, to absolutely define the parking space, allow the user to dial and report for which parking space he pays.

The driver reports and pays for a marked parking space to a central parking authority's server by overdialing the street (optionally part of street) or parking lot facility, and parking space short number / alphanumeric string, which do not need to be unique in the country/city. According to various preferred embodiments of the present invention there is also no need to transfer any indication on the identity of the parking vehicle. "Redialing" the same number when the user returns to pick up the car will end the parking session.

The system of the present invention can greatly save time and work of the parking inspector: a parking inspector arriving at a particular street or parking–lot-facility enters a request to the said central server, by typing only the said street's (optionally part of street) or parking lot facility's number / alphanumeric string. This street/parking lot facility number together with the approximate location data of his cellular mobile device obtained from his cellular network, will enable him to immediately receive from the said server, in a dedicated software application on his mobile device e.g. cellular PDA, or dedicated terminal, cellular Smartphone etc., all the numbers of the unpaid parking spaces in the particular street or parking lot facility. According to some embodiments of the present invention this information is provided in lists. According to other embodiments the information is provided as a drawing/map/moving map of the said street with the marked unpaid spaces in order to enable inspectors to easily find and fine any vehicle parking in an unpaid space. According to yet further embodiment the system allows the inspector to select whether to receive and display the information in lists or in graphical map, or to alternate between these two options. Finally the Parking inspector uses his mobile device and software application to report his actions (optionally send an image of the vehicle) to the central parking server and through it to the billing server.

In case location services are not available the system uses a backup identification method; next to the number / alphanumeric identifier will be printed on

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the marking sign a backup location identifier. If location services are not available the interactive user application requests the driver to enter the backup location identifier. According to other embodiments the system uses a number of more digits / characters in the street and parking space identifiers that allows it to either uniquely identify the parking space or provides the system with enough information to construct a short list of named locations like cities, neighborhoods. The said short list is given to the driver and he points the correct location. According to various embodiments wherein the system uses an IVR application after the user has typed the street and parking space IDs, the application will audibly enumerate the locations and will ask the driver to say the correct location or type its sequence number. In case a programmable device with a client application communicates with the system, the client application will present additional fields nearby the field for street and parking space IDs in which the correct country/state and location can be selected.

According to various preferred embodiments of the present invention the parking inspector also receives from the system all streets in the vicinity of his momentary location with the number of vacancies for each street and thus he is able to choose his route based on this information and point the street he is working in by graphic user interface means. The streets can be presented either as a text list, as a sequence of audio messages, or as a graphical map. As a backup method to receive the list of empty parking spaces in his vicinity, the inspector may input his location; country/state, city/village, street via his application.

According to various embodiments the system of the present invention is further comprising a self learning unit and decision making algorithms, which use the gathered information on vacant places and past location dependent fines' statistics for automatically calculating the most optimal routes for each inspector and provide each of them with recommended routes for optimal efficiency. According to some embodiments the system is further provided with a unit for calculating the number of parking inspectors the municipality needs to achieve maximum coverage, or alternatively optimal coverage.

According to the present invention the system may allow drivers with cellular phones that support custom applications, e.g. Web enabled or J2ME, Pocket PC, etc.,

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enabled phones, to use the same method to find by themselves streets with free parking spaces or access via Internet the parking city map of the Parking Management Center.

The method and the system of the present invention enables drivers to pay for the exact time period they have used the parking space whether this time period was 5 minutes or 5 hours. Optionally, the driver will be able to choose between pay-as-you-park or buy and prepay a parking time period.

It also enables municipalities to introduce a real time flexible and differential tariff payment system, which depends on the particular street, date, time of day, period of parking, driver's address, specific population tariffs, etc.

Another feature of flexibility and interactivity of the present invention, is the capability of the central parking server to send a message to the driver's mobile device, IVR (from an IVR system) or written (SMS or packet data to a J2ME, .NET, etc. application), with relevant announcements and reminders like future acts; for example the closure of the street TODAY from 7 O'Clock in the evening due to the visit of a V.I.P. in the neighboring memorial.

According to the method of the present invention, from the point of view of the parking inspector, if the parking space is paid, it may be considered as if it is does not exist and he is thus free of checking for parking tickets or for meters validity, or to check which car is parking where, etc. From the municipality point of view the present invention simplicity and flexibility may greatly reduce the operational cost of the parking services, increase its profits and revolutionize its management capabilities by real time monitoring the all city parking status, a great help in regulating the complex urban and suburban parking mess.

According to some embodiments and in order to remind the driver to close the parking session a sign can be sent periodically to the driver's phone by server's initiation. According to some embodiments, in case a driver forgets to close a parking session the system can close it automatically when another driver is reporting and starting to pay for the same parking space, and according to another option he might be charged for a predefined long period (e.g. 24 hours) for the particular surrounding, etc., or a combination of both.

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The system of the present invention is able to absolutely identify a particular parking space (in other applications: a municipal facility, a shop, a street advertisement, etc.) using a short street (optionally part of street)/parking lot, number/ alphanumeric string and a parking space (or other facility) number that do not need to be unique in the same country/city, and using the approximate location (the region ID code), of the said driver's cellular device as provided by the particular cellular network location system or optionally the device's GPS or by the said Bluetooth, or ZigBee, or UWB, or Wi-Fi, etc., RF tags. 3a. The said region ID code is identified using a range of network based location data received for wireless mobile devices located (present) in a known predefined region. The location data is received from the wireless network provider and the region ID code is pre-correlated with range of respective locations.

Cellular location methods use the signals of the cellular system to find the location of a mobile station. In network-based implementation one or several base stations (BSs) make the necessary measurements and send the measurement results to a location centre where the position is calculated. Network-based implementation does not require any changes to existing handsets, which is a significant advantage compared to mobile-based or most mobile-assisted solutions.

From the point of view of the cellular providers the system of the present invention can be a long awaited application that can pay them back part of their huge investments in providing location capabilities as requested by the U.S.A. and other countries: "One of the driving forces is the obligation set by the FCC (Federal Communications Committee) in the United States to provide enhanced 911 (E911) wireless services. Enhanced 911 or E911 is a technology mandated by the FCC that allows emergency services staff to locate the geographic location of a cellular caller making an emergency call to 911. The first phase of this mandate, established in 1998*, required the carrier to pinpoint the number of a wireless 911 caller and the location of the antenna (base station) that received the call. Phase Two requires wireless carriers to provide the geographic location within 50-300 meters of the cell phone itself (depending on the type of technology used). Phase Two is to be implemented by the end of 2005.

Also the European Commission has plans to implement a similar obligation, but probably without accuracy specifications. By summer 2001, some location-based

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services have already been introduced by GSM operators in Europe. Available location methods include cell identification and methods based on signal strength measurements." To offset the millions of dollars in costs associated with meeting this federal mandate carriers are offering location-based services (LBS) to customers as a value-added feature.

In an alternative embodiment the system of the present invention can also identify the region ID code with a range of location data received from a GPS location unit built in or connected into the said wireless mobile devices located (present) in a known predefined region, where the said region ID code is pre-correlated to a range of locations.

In order to reduce the number of digits required for specifying a particular street & parking space, the system of the present invention avoids allocating a unique number / alphanumeric string to each locus/entity in the world; we allow for example that the same street number will appear in different regions discerned between them by the different cellular location region's coordinates. For example if we decide to mark the streets in a region (a region is area big enough to meet the accuracy constraints of the cellular network), by a 3 digit number we may have up to 999 streets per region group. If we will choose in a size of region of a square kilometer to have only a 100 streets (optionally part of street), which usually is enough even in a dense urban environment, we will be able to allocate numbers in the adjacent regions in such a geometrical distribution so that we can shrink to zero the probability that there will be streets in the same vicinity that belong to two regions and carry the same number, thus achieving absolute worldwide street identification.

The cellular location accuracy requirements for implementing all the applications of the present invention are relatively very low: even a 500 meter location accuracy is enough thus making our system insensitive and indifferent to the different location methods implemented by the different cellular operators and to their admirable efforts for achieving 15 feet location accuracy.

Optionally, and according to various embodiments of the present invention the said region ID code can be obtained from an alternative electronic RF tags system. The ID of the RF tag/transceiver covering the said region is automatically read and

transmitted to the system by the said wireless mobile devices present (located) in a known predefined region and the region ID code is pre-correlated with the RF tag ID.

In this electronic tag based system, a mobile driver using a cellular phone, PDA, etc., provided with a Bluetooth, or ZigBee, or UWB, or Wi-Fi, etc., short range wireless communication capabilities transmits his approximate location from reading a Bluetooth, or ZigBee, or UWB, or Wi-Fi, etc., electronic tag (associated with a location ID), in his momentarily neighborhood and he is then being able to report a parking session (or report a task, according to the system embodiments comprising modules or units for the management of municipal facilities in addition to parking) by reporting to the parking service server (or corporate server) the said tag ID (approximate location), and then input the said street number and parking space number thus completing the parking cycle initiation without using the cellular location services. This RF location reading can be a practical solution for big parking lots.

The present invention further relates to embodiments according which electronic tag will be used for reporting parking payment on a specific parking space. According to these embodiments one will be able to use a passive electronic tag as a substitute for specifying the said parking space code, containing the said street number and parking space number, wherein the parking space code is machine readable for automatic reading and entry to the user's wireless mobile device. It is appreciated that only very-short range electronic RFID tags can be used for this purpose, and the future release of cellular phones equipped with the new very-short range wireless communication that operate at a range of a few centimeters as NFC -Near Field Communication systems, developed by Sony, Philips and recently Texas Instruments, or NFC enabled cellular phones expected to be release by Samsung (Philips technology) that provides easy and secure communications between various devices or with an RFID tag without user configuration, i.e. without needing to navigate complicated menus or perform complex set-up procedures, predict a promising future for this electronic tag embodiment of the system of the present invention.

The implementation of a parking system using an NFC technology will be as follows: each parking space will be designated in his momentarily neighborhood, in or on the said parking space marking sign, by a very-short range passive NFC electronic

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tag. Practically the information (data string) of the said passive RFID tag will contain or be associated in the parking registry with the said parking space code. Bringing the phone into the close proximity of the said NFC RFID tag will be the automatic equivalent of dialing the said parking service number and overdialing the said street and parking space number to start the parking session. Optionally the said passive RFID tag will contain or be associated in the parking registry with the absolute location of the said Near Field Communication RFID designated parking space: country, state, location, district, street or parking facility name and parking space number.

Any driver which possesses an NFC enabled phone will only need to bring the phone into the close proximity of the said NFC RFID tag to start the parking session.

According to the system and method of the present invention, the parking inspector arriving at a particular street will send a request to the said central server, by bringing his mobile device into the close proximity of one of the said NFC RFID tag in the said street parking facility and this will enable him to immediately receive from the said server, on his mobile device (in the dedicated software application) e.g. cellular PDA, dedicated terminal, cellular Smartphone etc., all the numbers of the unpaid parking spaces in the particular street or parking lot facility. Optionally he will receive a drawing/map/moving map of the said street, with the marked unpaid spaces in order to enable him to easily find them and fine any vehicle parking in an unpaid space.

The market expectations are that in year 2009 about 50% of all cellular handsets will be NFC enabled, and when those NFC passive RFIDs and NFC enabled cellular handset will be commercially available and business reasonable we will only need to fix an RFID tag in an easy reachable space in the said parking space marking sign which carry the said short number, and the parking system will be ready to be used in a dual mode: any user which possesses an NFC enabled phone will only need to bring the phone into the close proximity of the said RFID tag to start the parking session (the said RFID number prefix can even initiate a call to the parking system's server), and those drivers with simple ordinary phones will begin the parking session by overdialing the said short number as further explained in the detailed description of the present invention.

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According to the method and the system of the present invention an inspector can retrieve all streets or working facilities (e.g. municipal facilities, greenhouses, warehouses, etc.) in the vicinity of his current location. According to various embodiments the present invention further allow users provided with smart cellular device as a J2ME, Pocket PC, etc. cellular phone, PDA, etc. (optionally a GPS enabled one), similar to those used by the parking inspector, to report in real time to a remote server, their identity, task, facility or item they are working on and its location, and to receive real time feedback on all those, all without any additional hardware to be carried or operated by the said users; such task may be for example reporting municipal inspecting tasks, deployment of waste containers or sewage cleaning operations in a particular street in an urban environment, environmental inspector task and field agriculture tasks.

For example in an urban environment and an application of street waste containers deployment and collection service – a waste container (which is a movable item) can be reported by typing in the user's cellular device's task software application a house number in its sidewalk hand proximity. Similarly as in the parking application, the service operator deploying or collecting a street waste container will type the said number and receive in response the list of streets' names at his surrounding from which he will choose the right street's name. Then he will select either the deployment or collecting task and complete the reporting mission. On the next collecting task the server software will "recognize" the particular container at his surrounding even if the user will type another nearby house number in its sidewalk hand vicinity.

In another optional embodiment the said waste container for example, is marked for example with a 4 digit number, which is enough to mark all containers in a big city. By typing in the container's number in his mobile device (optionally GPS enabled) software application, the worker will be presented with a short list of neighboring streets' names to choose from and by typing a house number in its sidewalk hand proximity he will complete the location report and the specific task. Optionally he will be able to type the first letter/s of the street name and receive directly the right street or two three streets to choose from. If the container number is entered first, the system will be able to put as a first choice in the street names list the last known street location of the container.

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In an alternative possible embodiment which is also in the scope of the present invention, one can use a WAP enabled phone or the local software platforms (e.g. Java and J2ME, C# and .NET, etc.) of modern mobile devices and develop a software parking application which will enable the user to transmit the said number / alphanumeric string to the central parking server. The drawback is that today not all the cellular phones support such application, in contrast to the generality of the overdialing method.

Another alternative possible embodiment which is also in the scope of the present invention is to use SMS: The user will entry the street and parking space as a short alpha-numeric message and the Short Message Service -Service Center (SMS-SC) will deliver it to the central parking server. The system will optionally respond with a cellular message (SMS, EMS, MMS), notifying the user that the parking service is started. The user will further end the parking service by sending another message to a specially designated number for ending the parking service, or by typing "end" in the message.

The system may optionally send cellular messages to notify the user that the parking service is not yet terminated if the parking period exceeds a predefined time. The predefined time can be configured by the user, or can be the parking time limit for particular area.

According to various embodiments of the system of the present it is further comprising an inspection routing unit for processing at least one of parking related data, operative information, instructions, comments, or statistical information, to build automatic optimal inspection routes for each parking inspector. According to yet further embodiments the inspection routing unit is responsive to parking inspectors' decisions communicated through their respective wireless mobile devices.

According to various embodiments of the present invention the disclosed parking management system is further comprising :

at least one management status registry storing data related to a plurality of facilities and respective their maintenance records identifiers;

wherein the communication server is coupled to the management status registry for receiving incoming requests from a plurality of wireless mobile devices and for retrieving from the requests data relating to user ID, location data of a wireless mobile

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device used to report a specified facility, and to said facility code, and for providing retrieved data to the management status registry and to the user's wireless mobile device.

Accordingly, it is in the scope of the present invention wherein a municipality management system is provided, comprising:

at least one management status registry storing data related to a plurality of facilities and their respective maintenance record identifiers;

at least one communication server coupled to the management status registry for receiving incoming requests from a plurality of wireless mobile devices and for retrieving from the requests data relating to worker's user ID, location data of a wireless mobile device used to report a specified facility, and to said facility code, and for providing retrieved data to the management status registry and to the worker's wireless mobile device;

the system being responsive to the location data of a requested facility determined automatically from a location of the worker mobile device for distinguishing between facilities having identical facility codes in different country areas.

A parking system will preferably be an integral part of said municipality management system, wherein motorist are related to as system workers reporting tasks and wherein parking session is related to as a task, parking spaces are related as facilities, and parking inspectors are related to as workers.

A method for distinguishing between parking spaces having identical codes in different parking regions, is also within the scope of the present invention, said method comprising:

receiving a request from a user via a wireless mobile device for parking in a specific one of said parking spaces, and

determining the region of the specific parking space by determining the location of the wireless mobile device. According to the method a computer system preferably accepts user's request for registering a parking session without requiring entry or pre-registration of user's vehicle ID. According to various embodiments of said method it is

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further comprising registering parking sessions of clients in a parking status registry, the parking registration includes normally billed parking sessions and zero billed parking sessions, said parking sessions are streamed to mobile devices of parking inspectors either as lists or as graphically displayed maps, without distinguishing between normally billed ones and zero billed ones.

According to yet further embodiments the method is further comprising providing instructions to a municipal worker having a wireless mobile device and receiving task related reports concerning a facility in the vicinity of the worker.

According to various embodiments the method is further comprising;

associating between an identifiable facility and a task information related to said facility;

identifying said facility by a combination of:

(i) electronically extracting the region ID code of a group of facilities among which said facility is contained, through a communication with a wireless mobile device of a municipal worker present in the vicinity of said facility;

(ii) reading an input from the wireless mobile device providing a particular identification code pre-associated with each facility in the group.

The present invention further relates to a method for parking status control especially useful to improve municipality control on is parking services, the method comprising registering parking sessions of clients in a parking status registry, the parking registration includes normally billed parking sessions and zero billed parking sessions, said parking sessions are streamed to mobile devices of parking inspectors either as lists or as graphically displayed maps, without distinguishing between normally billed ones and zero billed ones.

The invention further relates to computer readable media containing instructions to perform any one of the method herewith disclosed.

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BRIEF DESCRIPTION OF THE DRAWINGS

In order to understand the invention and to see how it may be carried out in practice, a preferred embodiment will now be described, by way of non-limiting example only, with reference to the accompanying drawings, in which:

Fig. 1 is a block diagram of the functional components of the present invention

Fig. 2A is a schematic drawing of a street with a parking sign showing the numbers of two parking spaces

Fig. 2B is a schematic drawing of a street with a parking sign marking a cluster of parking spaces or a parking area

Fig. 3 is a block diagram of a conceptual street number distribution pattern

Fig. 4 is a block diagram of proposed system's deployment units according to one of its embodiments.

Fig. 5A is a sequence diagram of a process to be taken for initiating a parking service

Fig. 5B is a sequence diagram of a process to be taken for terminating a parking service

Fig. 6A is a sample screen of the parking inspector's software application, showing a map with free and occupied parking spaces

Fig. 6B is a sample screen of the parking inspector's software application, showing a fine report form

Fig. 7 is a sequence diagram presenting general steps taken by the system of the present invention for providing optimal routs for parking inspectors.

Fig. 8 is a sample screen from driver's application for programmable cellular phones

Fig. 9 is a schematic drawing of a street with a Bluetooth tag marking the region

DETAILED DESCRIPTION OF THE INVENTION

The invention is exemplified with reference to the schematic drawings in Figs. 1 – 9, which are not according to scale. The invention having been disclosed, variations will now be apparent to persons skilled in the art, the system is described as an example only, not to be construed in a limiting way.

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As shown in **FIG 1**, the parking management system disclosed in the present invention comprises: (i) a parking status registry (101) storing data relating to a plurality of parking spaces and respective payment status identifiers, (ii) a communication server (102) coupled to the parking status registry for receiving incoming requests from a plurality of wireless mobile devices and for retrieving from the requests data relating to user ID, location data of a wireless mobile device used to request a specified parking space, and to parking space code, and for providing retrieved data to the parking status registry, and (iii) a billing unit (103) capable of calculating parking fees and debiting clients of the system according to parking sessions reported by said clients to the communication server. The billing unit can optionally be coupled to a user registry unit (104) allocating preferential parking tariffs to disabled drivers or local residents. The parking registry unit further provides functions for parking enforcement including but not limited to parking inspection and fine issuing. The system may also contain following optional components:

- statistics unit (105) (collects various statistical data and provides the parking authority with reports about the parking activity and the performance of parking inspectors). The statistics unit is coupled with the mapping unit (107), which provides it with geospacial data and functions needed for the statistical analisys and with graphic maps for the statistical reports. The statistics unit can optionally be coupled to the said user registry (104) to provide reports related to the users of the system.

- automatic routing unit (106) (provides automatic optimal routes suggestions for increasing the work efficiency of parking inspectors – e.g. an algorithm that analyze the "parking fine issuing" statistics for each street/parking lot, the result of which the system recommend inspectors optimal routes to specific streets/parking lots in their neighborhood. For example this decision making unit is superior to checking the unpaid/paid ratio of parking spaces since not all streets have the same occupancy ratio. The automatic routing unit is coupled with the mapping unit (107) which provides it with geospatial information needed for its function.

According to an alternative embodiment the said Parking Registry (101) is coupled with Mobile Positioning Server (108) to retrieve the geographic location of the said wireless device. The Parking Registry is associated with all functions related to managing the said payment status and other characteristics of the parking spaces and

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streets they belong to. Those characteristics include but are not limited to parking space daily price scheme according to time, maximum parking period, etc. The Parking Registry is further associated with all functions and data for managing parking inspectors like the area of responsibility of the parking inspector. The Parking Registry is coupled with the Mapping Unit (107), which provides it with functions for managing geographic data.

According to an alternative embodiment the Billing Unit (103) is associated with all functions and data related to financial transactions between the users of the systems, i.e. drivers and the parking authority.

The said system of the present invention is responsive to the location data of a requested parking space determined from a location of the user's mobile device for distinguishing between parking spaces having identical parking space codes in different parking regions. For example the said users request a service for an entity (parking space or any other facility to be inspected) from the said system by providing a numeric or alphanumeric ID associated visibly and unambiguously with the entity or retrieved by his wireless mobile devise from an RF tag in his proximity.

The said numeric or alphanumeric ID does not uniquely identify the said entity within the list of entities held by the registry of the system. Upon receiving the said ID from the user, the system completes this ID to the full, unique ID of the said entity by adding a location part. The location part is received from the geographical location of the user making the service request.

According to various embodiments of the system of the present invention at least some of said parking spaces are identified by a unique parking space ID that comprises a region ID code and a parking space code, the system being adapted to determine the respective region ID code associated with a requested client parking session as a function of the location of the user's mobile device and to determine the space code by reading a respective entry from the mobile device. The location assisted method of completing the IDs, may be implemented by dividing a large geographical area into smaller regions. Each small region is identified by a region ID code. Sub-regions like for example streets (optionally part of long streets), or parking lots facilities, distributed in the large geographical area are uniquely identified by the small region they belong to, and by a human readable number or alphanumeric string that

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does not repeat in the immediately neighboring small regions of the said region it belongs to. If the system needs to identify items like parking spaces that belong to the said sub-regions, an additional small number can be used to uniquely identify them within the context of the containing sub-region. The sign designating a parking space code can preferably be visually associated with the respective parking space in order to ease its read and manually entry by the user. It is however in the scope of the present invention wherein the sign comprises an RF tag that is machine readable by the user's wireless mobile device e.g. NFC provided cellular phones, or one or two dimensional barcode reader such as cellular phones provided with barcode reading software and with imaging camera.

According to various preferred embodiments of the present invention the parking space code comprises a street or parking lot code that is unique in the region identified by the region ID code. For example we divide the area of a state or a city into small regions, each region having a maximum number of streets (optionally part of streets), each street having a maximum number of parking spaces. The maximum number of streets and parking spaces define the size of the human readable numbers (i.e. which the driver has to read from a sign and enter to his mobile device) being used. A parking space identity in different small regions differ at least by one of its parameters - either by its cellular (or optionally GPS or said regional RF Tag ID) location, or street number or parking lot facility number.

The present invention relates also to a method for distinguishing between parking spaces having identical codes in different parking regions, especially useful for dividing large geographical areas in the above described manner, the method comprising: (i) receiving a request from a user via a wireless mobile device for parking in a specific one of said parking spaces, and (ii) determining the location of the specific parking space by determining the location of the wireless mobile device or receiving through it an id of the said location.

According to various preferred embodiments of the system of the present invention said parking registry holds a list of all parking spaces managed by the parking authority using the said system. Those can be the parking spaces found within a city or larger area of many cities and towns. A parking space is the place for parking a single vehicle and it can be part of a street parking or a parking lot facility. Each parking space

is accompanied with a visible numeric ID which can be printed on a sign placed alongside the parking space as shown in FIG. 2A-B. The exact arrangement of the visible numeric or alphanumeric ID depends on the exact requirements of the parking authority and can vary significantly as long as the driver can read (in a future RF Tag embodiment machine read by an NFC enabled cellular device) and transmit the correct ID for the parking space he is parking on.

FIG. 2A is presenting the schematic drawing of one possible arrangement of the parking spaces. For every two parking spaces there is a parking space marking sign (201), which displays the number of the street and the number of the parking space. The number of the street (202) is unique within this street's region and all neighboring regions in order to avoid mistakes due to lack of accuracy of the cellular (or mobile) positioning system. The parking space number (204) identifies the parking space within a street. Optionally the sign will include a backup location id (203) and in a future embodiment also an RF tag ID.

FIG. 2B shows an alternative marking of the parking spaces that allows using less parking signs. One parking sign (205) identifies part of the street that contains a cluster of parking spaces. Preferably each cluster has 9 parking spaces so that one digit is used to mark the individual parking space (206). The street-part number is divided in two parts by a dash. The first part of the number is the same along the whole street allowing the parking inspector to type just that part to get all the unpaid parking spaces for the street. Optionally the number may contain a check digit to verify that the number has been entered correctly.

It is clear that the precise scheme of identifying an entity within a locality should be chosen according to the specific needs of the application and the current invention is not constrained by the precise scheme. The use of street and parking space numbers is also dependant on the precise scheme. In an alternative embodiment the numbering scheme may not use a street number at all, and just apply numbers to the parking spaces regardless of the street. In the described embodiment of the system the street and parking space numbers are separated partly because it is easier to correctly enter numbers which are presented on chunks and not as a single long number and also much easier to deal with by the municipal/parking authorities.

FIG. 3 is presenting a sample distribution pattern for street numbers (or any other entity used by different systems that are based on the identification method of the present invention). The pattern aims to assign a number to every street in a predefined region in such a way that it is unique in this street's region and all neighboring regions. The overall amount of numbers depends on the maximum amount of streets in a region multiplied by 9. The area of a region depends on the accuracy of the cellular positioning system. The areas are presented as squares only for the purpose of clarity. In real applications the shape and size of the areas will depend on the street distribution. It is desirable to find a balance between keeping the number of streets evenly distributed between areas and having the size and shape of the areas optimized for avoiding location errors. In principle for distinguishing between parking spaces having identical parking space codes in different parking regions, the system is responsive to the location data of a requested parking space determined from the location of the user's mobile device. It is not necessary that every street will have separate id or only one ID. If several neighboring streets have little parking spaces they can use the same street ID.

In **FIG. 4** are presented the deployment elements used to implement the system for a parking service. The User's Cellular Phone (401) is used to dial the parking service IVR Server (407) and to activate or deactivate the parking service for a particular parking space. The Parking Inspector's Mobile Terminal - enforcement unit (402) is used by the parking inspector to receive information about all unpaid parking spaces in the particular street and recommendation on the most efficient path from all streets in his vicinity. Through the Browser Client (403) users will register with the system and will provide their billing information. The Browser Client (403) talks through HTTP with a dedicated Web Server (404) that forwards the application requests to the Application Server (405). The IVR Server (407) contains telephone interface for the cellular phone requests and forwards the application requests to the Application Server (405). The Application Server (405) hosts the business logic components of the system. It communicates with a Mobile Positioning Service (408) to retrieve the relative location of the user's cellular phone and the parking inspector's mobile terminal. The Application Server also communicates with a Billing Service (409) to charge the user's account for the parking service. The Application Server uses a dedicated Database

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Server (406) to store the parking service data and uses an optional GIS module (410) for working with geographic information.

The IVR Server is standard equipment used to interact with users through the audio interface of PSTN based phone networks. The IVR Server performs the functions of the said communications server for clients that connect to the parking registry through voice interface. The IVR Server is capable of receiving voice and DTMF commands and responds with audio information. An IVR Server usually contains Computer Telephony Integration (CTI) equipment, VoiceXML interpreter allowing it to execute scripts similar to HTML, but oriented towards voice interface. It can optionally contain a Text To Speech module and Automated Speech Recognition (ASR) module. The IVR Server does not implement the business logic of the system. It relays the business logic processing to the Application Server, as a result receives a VoiceXML script and then executes the script providing audio feedback. An IVR server with its components can be obtained from vendors like Verascape, Nuance, RealSpeak, IBM and others.

Thanks to the use of an IVR Server practically any wireless telephone can be used to interact with the system. In the preferred embodiment is used a simple cellular phone, due to the fact that cellular phones are ubiquitous and are usually at the disposition of any driver when he is parking. A cellular phone can be obtained from a number of vendors like Nokia, Motorola, Sony-Ericsson to name just a few.

According to an optional embodiment of the system a driver equipped with a more sophisticated cellular phone will be able to use a Web application or mobile client application running on a J2ME, Pocket PC, etc. to operate the parking service and to use additional features of the system, such as (i) using web interface instead of voice interface to interact with the system, (i) requesting additional information from the system, for example: availability of parking at specific location, watching an Internet map of the city parking status etc.

To operate the parking service a driver would have to register with the parking service. The driver can accomplish this by using a standard web browser client to access the web interface of the parking system. Through the web interface the driver will provide his name, the number(s) of the cellular phone(s), which will be associated with is account, payment information and optionally, license numbers of vehicles for which

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he would like to use the parking service. The process of registration can be performed directly through the web or at post offices, municipality parking lots, private kiosks etc. According to an alternative embodiment, in addition to the manual registration through the web interface, the system will provide automatic registration according to caller ID of the driver. The automatic registration will be performed the first time a driver uses the system to initiate parking. The system is able to retrieve his location by his caller ID and to further charge him through his cellular phone account, also identifiable through his caller ID.

As seen in FIG 4 the system uses multiple client software applications to interface with the users of the system. To achieve coordination between the users, the system uses a middle tier server, the Application Server (405), to perform all business logic related to more than one client or service of the system. The Application Server hosts the functions of the parking registry, billing unit, user registry, statistics reporting unit, automatic routing unit. In its preferred embodiment the system uses an application server conforming to the J2EE specification from Sun Microsystems. Such application servers are available from vendors like IBM, Oracle, BEA and others.

Map related functions of the system are implemented with the help of a GIS module (410). The GIS module can be obtained from a third party (e.g. ERSI, MapInfo) or can be implemented as an integral part of the system according to the specifications of the Open Geospatial Consortium. According to various preferred embodiments the system stores parking related data, operative information, instructions, or comments, in a multilayered parking vector map. The parking status registry forms a layer or layers in the said multilayered parking vector map.

The Database Server (406) collectively represents the various persistence modules used by the system. In the preferred embodiment the database server is a RDBMS server available from multiple vendors like Oracle, IBM, Sybase. Optionally the persistence needs of the user registry will be handled by a dedicated directory server (LDAP server) available from Sun, Novel. The RDBMS server will optionally contain data warehouse schema for the statistical report unit, GIS schema for the mapping unit. Optionally the Database Server can be implemented as an OODBMS or multidimensional data server like the one available from Cache.

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The billing unit makes use of a Billing Service (409) to charge the drivers their parking dues for a predefined period, e.g. monthly parking dues. In a preferred embodiment of the system the Billing Service (409) is provided by the cellular network operator through billing aggregation. The parking authority can work with a cellular network operator the same way cellular network operators handle payments for calls from one operator to another. In an alternative embodiment the parking authority can handle payments by itself using billing software provided by multiple vendors like Amdocs Inc., Mind CTI, etc.

In the preferred embodiment of the system the Mobile Positioning Service (408) is provided by cellular network operators using systems like the Mobile Positioning System provided by Ericsson. In alternative embodiment, discussed later, the location can be provided by the user's GPS enabled mobile device or by reading RF tags positioned to mark specific regions.

According to various preferred embodiments the driver's user ID is derived from the ID of the user's wireless mobile device (caller ID). Optionally, and according to other embodiments the user ID is entered manually by the user in response to the system request (e.g. in case it is not being able to automatically extract it from the phone call). According to various embodiments of the system of the present invention a user can have multiple phone numbers associated with his profile and can be identified by multiple Caller IDs associated with a single user account.

FIG 5A depicts the steps that the driver and the system perform to initiate the parking service. The process is initiated when the driver dials the service number (501). At the first step the driver has to be authenticated to the system (502). In a preferred embodiment the system authenticates the driver automatically using the caller ID of his cellular phone. During registration, the driver can specify one or more cellular phone numbers that are associated with his account and the system identifies the calling driver through this information. According to an alternative embodiment, a driver that has not registered with the system before, will be registered automatically by his caller ID. In this case the Parking Registry will create and account for the driver automatically at this step. If the caller ID is not available the driver will be requested to input his phone number and password for authentication. Automatic registration will not be available if the caller ID is not available. Through the caller ID/phone number the Parking Registry

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retrieves the user ID of the driver. In the next step the driver is requested to input the parking space code in the form of street and parking space numbers (503). The driver will be able to either type or in a future embodiment pronounce the numbers. While the driver authenticates himself and inputs the parking space code the Parking Registry attempts to identify the location of his cellular phone. If the Parking Registry fails to identify the location automatically, it will request from the driver to input the backup location number (504) provided on the parking sign (203). Once the parking space code and location are known the Parking Registry calculates the unique ID of the parking space or area (505). In the next step the Parking Registry retrieves user profile from User Registry and information, associated with the parking space. The user profile and parking space information are used to calculate parking fee (506). The parking fee and additional parking conditions are then optionally announced to the driver and if he agrees with them he confirms (507). Optionally the driver will be provided with several payment options. The default is pay-as-you-park option, which charges him for the parking period between parking initiation and termination. Optionally the driver can choose to prepay for a specific parking time, etc. After confirmation the Parking Registry initiates the parking session and updates the parking space information: - marks parking space as "occupied" (508).

Optionally, or according to other embodiments, the driver may enter the numbers (street, parking space and optionally location) and the password immediately after the start of the call to avoid the timely responses from the IVR Server. The driver will enter the numbers by typing them on the keypad of his phone or in a future embodiment by pronouncing them, in which case the IVR Server will use Automatic Speech Recognition (ASR), to recognize them.

According to various preferred embodiments in case a user is trying to activate a parking session at a currently paid parking space the system responds with a warning message to the user's wireless mobile device and request him to check and repeat the parking procedure.

FIG 5B depicts the steps that the driver and the system perform to terminate the parking service. The process is initiated when the driver dials the service number of the parking system (501). At the first step the driver has to be authenticated to the system (502) as described in FIG 5A. Once the driver is authenticated the Parking registry

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retrieves the parking session, which was already initiated. In the next step the driver is requested to input the parking space code to terminate the parking (521). The driver is given also an alternative way to terminate the parking session. If the driver is at the parking space for which he initiated the parking he will enter the parking space code as provided on the parking sign (201). The parking space code is optionally requested only to stimulate drivers to end their parking sessions at the time they remove their vehicles from the parking space. Since the parking session is initiated, the Parking Registry has the unique ID of the parking space, including its parking space code and is able to verify whether the parking space code that the driver inputted is correct. If the street and parking space is wrong or the driver chooses the alternative termination process he will be taken to an intentionally less pleasant process then the first one (522). The alternative process may involve dictating a number to the driver that he has to repeat.

Once the driver inputs the termination sequence the Parking Registry retrieves parking space status information and terminates the parking session. The System updates the parking space information in Parking Registry: - marks parking space as "free" (523).

The System performs billing transaction (524).

Apart from providing means to drivers to initiate and terminate parking service for particular parking spaces the system also provides means to municipality parking inspectors to efficiently check for offending parked vehicles. The system enables municipality parking inspectors to effectively check for non-paying drivers, since they can inspect only the parking spaces, which are not registered as paid for. According to various of its preferred embodiments the system of the present invention comprises an enforcement unit for bi-directional streaming and exchanging of registered information from between the system and a plurality of wireless mobile devices held by parking inspectors. Parking queries and other municipality related queries and information on parking violation vehicles, etc. may be directed from the municipality parking inspectors to the system.

According to various embodiments the information streamed to inspectors' mobile devices includes a graphical parking map of streets and parking lots indicating unpaid parking spaces, the system being responsive to inspectors' pointing out on touch

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screens of respective mobile devices, either by replying with additional information associated with points being pointed on the graphically displayed maps, or by extracting from the mobile devices information associated by inspectors to said points.

According to some embodiments the information streamed to inspectors includes real-time instructions related to current positions of inspectors.

The municipality parking inspector entering a particular street uses its cellular mobile device e.g. cellular (and optionally GPS enabled) PDA, Smartphone, tablet PC, dedicated Ticketing terminal, etc., and a software application (optionally a fine ticketing application) to receive a graphical parking map (e.g. of streets or parking lots) indicating unpaid parking spaces, or/and a list of unpaid parking spaces (preferably organized per streets and parking lots) in the region he is working in, with all paying and non-paying parking spaces (FIG 6A).

After he identifies himself with a password as a Municipality parking inspector and indicate his location by entering the number of the street as it is inscribed on the signs near to the parking spaces, the system will provide each inspector with parking data and statistics relating to the parking area he is present in and with the parking map of the region he is currently in. The system will present on the map all the occupied and vacant parking spaces. The parking inspector can go straight to the vacant parking spaces skipping the ones that somebody is paying for. If the inspector finds a vehicle on a vacant parking space not paying through any alternative means like parking tickets or parking meters the he will report a parking fine through the software application running on his mobile terminal (FIG 6A). Once an offending vehicle is reported to the server system it can optionally forward its location and identification data to another service associated with the parking service as a service for removing unlawfully parked vehicles from the streets.

Preferably, and according to various embodiments the information streamed to the mobile devices is divided such that each inspector is provided with data relating to particular streets or parking lots, and wherein the streams of information include respective real time updating of the data per each inspector.

In case the parking inspector will try by mistake to impose a fine for parking violation on a currently paid parking space, the system will respond with a refusal or an error message returned to his wireless mobile device enforcement terminal.

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The present invention enables the use of flexible billing that can be based on location, time-of-the-day, length of parking session, user profile, etc. According various preferred embodiments the system's billing unit is preprogrammed for variable and for reduced or zero billing of specific users when reporting parking sessions at predefined regions. The system can provide incentives to all drivers to register their parking activities with the system and reduced parking rates in comparison to alternative parking means like parking tickets and parking meters. For business efficiency and city control purposes the system provides a parking status control method by which all subscribers have to report their parking to the system even if they are entitled to free parking.

Having all parking activities registered with the system will enable it to give full report to the parking authority and its parking inspectors about the parking status on the streets.

According to various embodiments the system of the present invention is further comprising a unit for gathering statistical parking data as location related parking occupancy and fines statistics, time of parking, demographic etc. According to yet further embodiments the system is further comprising a self learning and automatic routing unit comprising algorithms for converting statistical parking data into operative information as instructions on the most efficient inspection routes, momentarily parking jam, etc.

Based on the information that the system has about the current status on the streets and the data it has accumulated it can provide a full range of statistical and coordination services to the parking enforcement authority. The system can build optimal routes for the parking inspectors taking in consideration parameters as:

- Current vacant parking spaces
- Recently checked parking spaces
- Current position of parking inspectors
- Statistics for streets/parking lots: occupancy dynamics, rate of parking violations and fines, paid to free ratio, etc.
- Parking inspector region coverage and time to travel

The information streamed to inspectors may include real-time instructions guiding the inspectors to concentrate on specific parking zones predicted by the system

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as predisposed violation zones that can also yield greater fine fees thus immediately contributing to the enforcement power of the municipality and to its revenues.

Fig. 7 illustrates steps taken by the system according to its embodiments wherein an automatic routing procedure provides the inspector with effective inspection routs. The process is initiated after the parking inspector authenticates himself, his location is fixed and he requests the system to provide him with an optimal route (701).

In the next step the system determines the area of responsibility of the parking inspector and the streets and parking lots included in it (702). In a preferred embodiment the area is predefined by the parking authority. At this step the system will assign preliminary priority or exclude streets or parking lots based on policy rules set by the parking authority and depending on fixed data. The policy rules prioritize streets, where it is important to decrease the number of offending vehicles for reasons like decongesting the parking vehicles, preventing vehicles from parking longer than the maximum allowed parking period, etc. An example of a fixed policy rule is 'ignore street A' (since it is a street in front of a foreign embassy and mainly foreign vehicles park there). An example of a temporary policy rule is 'ignore street B' (since it is closed up to the end of the week for canal maintenance work or subway building excavations.

Further the system proceeds to assign priority ratio to the streets based on real-time data extracted from the Parking Registry (703). The streets with high ratio of unoccupied / unpaid parking spaces will be given higher priority, since the possibility of offending vehicles is higher. The system will consider the type and capacity of parking areas, i.e. streets, parking lots, because it affects the efficiency of inspection. Parking areas that have a large number of parking spaces gathered in close distance are inspected more efficiently. Another parameter to affect the priority of parking areas is the price of parking in that area. Decreasing the number of offending vehicles in more expensive parking areas will increase the profitability of the system. The priority ratio will also be affected by the policy rules of the parking authority, which depend on real time data. For example the parking authority may set a rule stating: 'ignore street C after 6 o'clock in work days (because it is in industrial area) unless its occupancy rate is 40-60%'. Another rule can be 'assign high priority to street D between 8 and 19 o'clock (to decrease congestion) unless its occupancy is 95%'. Once the priority ratios are calculated the system will exclude some streets from further calculations that have

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insignificant / 'ignore' priority ratio. Streets to be ignored are streets that have for example occupancy ratio of more than 95%, or streets that fall under 'ignore' policy rule. Excluding streets narrows down the relevant streets thus saving on calculation time for the next steps.

In the next step (704) the system uses statistical data and algorithms provided by the Statistical Unit (105) to further prioritize streets. The Statistical Unit will assign priority based on historical data, for example streets with history of highest percentage of offending vehicles will receive higher priority. The Statistical Unit will also consider the particular time-of-day, day-of-week and day-of-year, for which the automatic route is requested, since the parking activity differs largely by those parameters. At this step will be applied policy rules, which depend on both statistical and real-time data for example 'assign high priority to street E (to decongest) if its occupancy rate is 60-80% and its violation rate for the last 3 months is above 50%'.

Next the system will feed the narrowed down and priorities list of streets and parking lots to the mapping unit (705) to receive a preliminary route. The mapping unit will use path-finding algorithms to find the routes from one street to another and the routes in the streets between the unoccupied parking spaces. Optionally the mapping unit will suggest which parts of the route is better to travel motorized and which parts is better to walk and inspect on foot. The mapping unit will also prioritize streets based on the time required to travel between the clusters of unoccupied parking spaces within the street. The mapping unit will access statistical data to assess the time-to-travel-inspect between points depending on the time-of-day and day-of-week. Streets that are far off the rest may be included as first or last destination in the route, or may be excluded all together if they have a low priority ratio. Streets that have high priority ratio or the policy demands them to be inspected often will be put in the center of a star-like routing pattern, making the inspector to pass through them several times during his route. Policy rules depending on mapping data are executed from step 2, because mapping data is relatively stable and the calculations depending on the mapping data are made either at the time when the rule is created, either when the area of responsibility is determined. For example streets in industrial areas can be marked as such when the initial list of streets is determined at step 2.

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At the final stage the system will suggest the calculated route, or optionally several routes, to the parking inspector. At this stage the parking inspector can report modifications to the route by inputting reasons for the modifications. Reasons for modifications can be accidental factors like car accidents, temporarily closed streets, needs and preferences of the parking inspector. After and if such data is inputted the system update itself and recalculates the route (706) to produce a new best routes version.

According to various embodiments the system further comprises a unit for providing services for calculating the number of parking inspectors needed to achieve maximum coverage, or optimal coverage. To calculate the maximum coverage the system must consider the amount and distribution of the vacant spaces and the average time it takes one parking inspector to check a cluster of vacant spaces, the time it takes him to travel from one space to another, in peak and normal hours. To calculate the optimal coverage the system must consider the expenses for hiring a parking inspector with respect to the income generated from the area he is covering.

According to various of its embodiments the system includes means for providing statistical information about the parking density of city areas throughout the days of the week and on special events. Based on this information the parking authority can apply appropriate tariffs for certain areas and time, to achieve maximum profit or decongest the parking population.

In order to get information on vacant parking spaces, the user may overdial one of several query codes, and receive from the Parking server information on neighboring streets and parking lots facilities with vacant parking spaces, tariffs, etc. Optionally a user possessing a Web enabled wireless mobile device can connect to the Parking Registry to watch a real time parking internet map of any part of the city he is interested in.

According to various embodiments the system of the present invention allow users to use SMS/MMS/WAP to interact with the system. Optionally for drivers possessing more sophisticated cellular phones, in addition to the voice interface provided by the IVR Server, the system provides a graphic user interface to the driver implemented as software application running on the driver's cellular phone. Most modern cellular phones support Web browsers and programming environment allowing

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running such application like J2ME or BREW. Many cellular phones, called Smartphones come with an Operating System like Symbian or Microsoft Smartphone OS allowing for third party applications to be loaded and executed. Using a software application to initiate and terminate the parking service will provide better user experience. The software application can communicate with the Application Server directly without the need of an IVR Server in between.

In FIG. 8 is displayed a sample screen of the said software application working on the driver's cellular phone. The form provides fields that specify the location as backup. The fields for 'Country/State' and 'City' will be automatically filled when location services are operational. If the location services are not operational the user will have to select 'State' and 'City' himself. The application will provide fast browsing controls, which allow selecting quickly the state or city by tapping the first letter and scrolling. Tapping the first letter will select the first state or city with the tapped letter. To select the correct one, the driver will scroll down with the navigational keys of his cellular phone.

In case the cellular phone of the driver supports and RF communication technology like Bluetooth, the system can pinpoint the regional location of the driver with the help of an RF tag. As displayed in **FIG. 9**, the location information can be obtained by reading a Bluetooth, or ZigBee, or UWB, or Wi-Fi, etc., electronic tag (904) positioned in the region of the said parking spaces. The said tag will use a communications protocol supported by present or future cellular phones like Bluetooth or ZigBee, or UWB, or Wi-Fi, etc. The tag carries identification information (ID) and this identification information is associated with location data, both recorded in the Database Server of the system. The software application will query the Bluetooth port for available Bluetooth tags and when it reads a tag the software application will use the said tag ID to update its location data. Optionally both the tag ID and the location data can be recorded in the tag. For instance the Bluetooth protocol supports universally unique identifiers (UUID) for classification of the Bluetooth device. UUID can be used to record the tag ID and to define the location, which the tag marks. The tags can be installed at already present electric points like street lamps (901) or lamps on the ceiling of a parking facility. For a driver using a Bluetooth or ZigBee, or UWB, or Wi-Fi, etc., enabled cellular phone, the system will work exactly in the same way as with cellular

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location. When location is successfully identified, the location fields will be filled in automatically and the driver will just have to fill in the street number and parking space number seen on the sign (201, 902) available at the parking space. If said location tag is not available the driver will fill in the location fields as explained in FIG. 8. Bluetooth enabled phones are already available from multiple vendors, like for instance the Nokia 6600 cellular phone.

It is within the scope of the present invention wherein an, electronic tag is used as a substitute means for specifying the said parking space code, containing the said street number and parking space number. It is appreciated that only very-short range electronic RFID tags can be used and presently there are two practical problems with such an implementation: first the "response range" of the previously mentioned short range communication devices as Bluetooth or ZigBee, or UWB, or Wi-Fi systems is too long for identifying only a single parking space (every RF query will be answered by all parking spaces in the "response range", and second is that presently consumers phones are not equipped with RFID tag readers. Both those problems are expected to be overcome in the future with the release of cellular phones equipped with the new very-short range wireless communication that operate at a range of a few centimeters as NFC (Near Field Communication) systems, e.g. the 13,56 MHz systems developed by Sony, Philips and recently Texas Instruments, e.g. the Nokia shell for their 3220 handheld or Nokia 5140 phone or NFC enabled cellular phones expected to be release by Samsung (Philips technology) NFC is a very short-range radio frequency identification (RFID) protocol that provides easy and secure communications between various devices or with an RFID tag without user configuration, i.e. without needing to navigate complicated menus or perform complex set-up procedures! It enables the user to exchange all kinds of information, simply by bringing two devices close together. Its short-range interaction over a few centimeters greatly simplifies the whole issue of identification, as there is less confusion when devices can only "hear" their immediate neighbors thus solving the above mentioned "response range" problem of Bluetooth or ZigBee, or UWB, or Wi-Fi communication systems.

In this alternative electronic tag embodiment of the present invention, one will be able to use an NFC electronic tag accompanying marking for specifying the said parking space, wherein the parking space code is machine readable for automatic

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reading and entry to the user's wireless mobile device. The implementation of a parking system using an NFC technology will be as follows: each parking space will be designated in his momentarily neighborhood, in or on the said parking space marking sign, by a very-short range passive NFC electronic tag as those RFID tags are already available from Nokia: the Nokia Mobile RFID Kit working with the 5140 handset. Practically the information (data string) of the said passive RFID tag will contain or be associated in the parking registry with the said parking space code. Bringing the phone into the close proximity of the said NFC RFID tag will be the automatic equivalent of dialing the said parking service number and overdialing the said street and parking space number to start the parking session. Optionally the said passive RFID tag will contain or be associated in the parking registry with the absolute location of the said Near Field Communication RFID designated parking space: country, state, location, district, street or parking facility name and parking space number.

Any driver which possesses an NFC enabled phone will only need to bring the phone into the close proximity of the said NFC RFID tag to start the parking session.

According to the system and method of the present invention, the parking inspector arriving at a particular street will send a request to the said central server, by bringing his mobile device into the close proximity of one of the said NFC RFID tag in the said street parking facility and this will enable him to immediately receive from the said server, on his mobile device (in the dedicated software application) e.g. cellular PDA, dedicated terminal, cellular Smartphone etc., all the numbers of the unpaid parking spaces in the particular street or parking lot facility. Optionally he will receive a drawing/map/moving map of the said street, with the marked unpaid spaces in order to enable him to easily find them and "rapport ticketing" any vehicle parking in an unpaid space.

The market expectations are that in year 2009 about 50% of all cellular handsets will be NFC enabled, but the system of the present invention is immediately applicable and can be easily adapted to incorporate and absorb the said future NFC RFID system variation as disclosed in the present invention; the very-short range RFID parking system disclosed in the present invention can be very easily included and work along with the short-number parking space designating technique described in the preferred embodiment of the present invention: when those NFC passive RFIDs and NFC enabled

cellular handset will be commercially available and business reasonable we will only need to fix an RFID tag in an easy reachable space in the said parking space marking sign which carry the said short number, and the parking system will be ready to be used in a dual mode any user which possesses an NFC enabled phone will only need to bring the phone into the close proximity of the said RFID tag to start the parking session (the said RFID number prefix can even initiate a call to the parking system's server), and those drivers with simple ordinary phones will begin the parking session by overdialing the said short number as explained in the detailed description.

In an optional embodiment suitable for phones with camera and software to read one and two dimensional barcodes the system will provide in addition to the said visible (alpha)numeric identifier a barcode for automatic reading and entry to the user's wireless device. Similarly to the described NFC embodiment, reading the said barcode will be equivalent to calling the system server and overdialing the said street and parking space numbers to start the parking session.

The modern view and managing methods of municipality parking inspectors consider them as multi-purpose mobile workers of which parking enforcement is only one of their tasks. According to an extension of the embodiment of the present invention, the proposed method of identification of said entities is used by a municipality parking inspector to perform municipality tasks beyond parking as showing presence, inspecting and reporting the status of municipal facilities such as: school gates, public institutions, gas reservoirs, sewer canals, memorial sites, etc. In the extended embodiment of the present invention all those facilities are marked similarly to the way parking spaces are marked, and are associated in the system's registry with the task to be performed and reported by the municipal inspector when attending those facilities. The municipal parking inspector's enforcement unit will be provided with an additional software application for receiving task information and reporting to the system actions performed in relation to the said facility. In essence we can describe this extended municipality mobile worker' system as a system enabling a user provided with a wireless mobile device to communicate with a registry of entities of the system and to initiate or report a service or task associated with an entity such as said municipal facility having uniquely identifying ID wherein said entity ID is obtained by a method combining (i) electronically extracting region ID of a group of entities in which said

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entity is included and (ii) providing a particular identification code of said entity that is unique in said group of entities associated with said region ID, by user's input into the said mobile device by alphanumeric keying, voice input, choosing from a displayed menu, etc. The region ID is extracted by electronic means communicating with the said wireless mobile device. The said electronic means can be any of cellular location or GPS location or regional RF tags as described above). In case cellular location or GPS location is used, the region ID is unambiguously associated with a geographical location area, thus enabling the system to retrieve the region ID by means of location data. In case RF tags are used, the region ID is unambiguously associated with a set of RF tag IDs, thus enabling the system to retrieve the region ID by means of RF tag IDs. The said identification code can be a number or the said NFC tag, barcode etc., placed on the said school gate, sewage canal cover, etc. The said system comprises of at least one (a) entity registry storing records for each entity, said records containing at least the said regional location ID and said particular identification code (b) task managing server storing tasks relevant information, maintenance history etc.

Using a software application will enable the system to use alternative means to cellular location for obtaining the location of the municipality inspector. In case the inspector is using a GPS enabled cellular PDA or a GPS enabled cellular phone like Motorola A1000 or Motorola A840 the software application can obtain and transmit to the system location data with the help of the GPS functions of the cellular phone. In this case it is preferred that each region ID code is pre-correlated with a range of location data received from the GPS location unit built in or connected into the said wireless mobile devices located (present) in a known predefined region.

The municipality inspector equipped with a cellular enforcement unit, which is able to provide location data either through the cellular network provider, either by a GPS function, available in the terminal, either by reading an RF tag associated with location data can report in real time to a remote server his identity, the facility he is close to, his task, and status of work, and to receive real time feedback on all those, all without any additional hardware to be carried or operated by the said inspector. The same system and method of work can be used for reporting deployment of waste containers or sewage cleaning operations, etc., in a particular street in an urban environment or even for reporting field agriculture task, etc.

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For example deployment of waste containers can be performed by a municipal worker equipped with mobile terminal, which is a programmable cellular phone (e.g. J2ME/WAP/HTML enabled cellular phone like Nokia 7610) or a programmable PDA.

The deployment process according to the said extended embodiment is accomplished with the following sequence of actions: The process is initiated after a worker deploys the waste container at a given street address. In his mobile terminal, the worker types the street number at which he has deployed the container. At the same time the system retrieves the list of streets that are in the proximity of his location and that contain the specified street number. The worker is shown the said list and he chooses the correct street. Optionally he is able to type the first few letters of the street name to quickly browse to the street. Next he chooses the action he is performing with the waste container, in this case 'deployment'. The report data is sent to the said server over the wireless network connection and the data is recorded in the registry of waste containers. The process of picking up a waste container follows the same sequence except for the final action where instead of 'deployment' the worker chooses 'pick-up'.

Optionally the said waste container can be marked for example with a 4 digit number, which is enough to mark all containers in a big city. By typing in the container's number in his GPS enabled mobile device's software application, the worker will be presented with a short list of neighboring streets' names to choose from and by typing a house number in its sidewalk hand proximity he will complete the location report and the specific task. Optionally he will be able to type the first letter/s of the street name and receive directly the right street or two three streets to choose from. If the number is entered first, the system will be able to put as a first choice in the street names list the last known street location of the item. In an application for waste collection, the waste collector will arrive at a waste container and he will enter its number. In response he will receive the list of streets in his vicinity. The street or streets that were chosen recently for this container number will appear as first choices. The waste collector will choose the appropriate street and the process will finish. Further according to the said method, the worker will be able to receive the list of the streets in his vicinity with containers that need to be emptied. In that case the waste container belongs directly to a geographical region and the street is a work-reporting attribute of it. However the principle of identification remains the same.

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CLAIMS:

1. Parking management system comprising:

at least one parking status registry storing data relating to a plurality of parking spaces and respective payment status identifiers;

at least one communication server coupled to the parking status registry for receiving incoming requests from a plurality of wireless mobile devices and for retrieving from the requests data relating to user ID, location data of a wireless mobile device used to request a specified parking space, and to a code of said parking space, and for providing retrieved data to the parking status registry; at least one billing unit capable of calculating parking fees and debiting clients of the system according to parking sessions reported by said clients to the at least one communication server;

the system being responsive to the location data of a requested parking space determined automatically from a location of the user's mobile device for distinguishing between parking spaces having identical parking space codes in different country areas.

2. The parking management system according to claim 1, wherein at least some of said parking spaces are identified by a parking space ID that comprises a region ID code identifying a specific parking region and a parking space code identifying a specific parking space in the region, the system being adapted to determine the respective region ID code associated with a requested client parking session as a function of the location of the user's mobile device and to determine the space code by reading a respective entry from the mobile device.

3. The parking management system according to claim 2, wherein each specific region ID code is pre-correlated with a respective range of location data expected to be associated with wireless mobile devices present in a parking region associated with the specific region ID.

4. The parking management system according to anyone of claims 2 to 3, wherein the parking space code comprises a street or parking lot code that is unique in the region identified by the region ID code.

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5. The parking management system according to anyone of claims 1 to 4, further comprising auto registration unit for opening user account upon activation of an initial parking session through a mobile device whose user ID is new.

6. The parking management system according to any one of claims 1 to 5, wherein the parking space code is visually associated with the respective parking space for manually entry by the user.

7. The parking management system according to any one of claims 1 to 6, wherein the parking space code is machine readable for automatic reading and entry to the user's wireless mobile device.

8. The parking management system according to any one of claims 1 to 7, wherein the billing unit is preprogrammed for zero billing of specific users when reporting parking sessions at predefined regions.

9. The parking management system according to any one of claims 1 to 8, further comprising an enforcement unit for bi-directional streaming and exchanging of registered information between the system and a plurality of wireless mobile devices held by parking inspectors.

10. The parking management system according to claim 9, wherein the information streamed to inspectors' mobile devices includes a graphical parking map of streets and parking lots indicating unpaid parking spaces, the system being responsive to inspectors' pointing out on touch screens of respective mobile devices, either by replying with additional information associated with points being pointed on the graphically displayed maps, or by extracting from the mobile devices information associated by inspectors to said points.

11. The parking management system according to claim 10, wherein the information streamed to inspectors include lists of unpaid parking spaces organized per street and parking lots to be displayed alternatively to the graphical map upon inspector demand.

12. The parking management system according to any one of claims 1 to 11, wherein the information streamed to the mobile devices is divided such that each

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inspector is provided with data relating to particular streets or parking lots, and wherein the streams of information include respective real time updating of the data per each inspector.

13. The system of any one of claims 1 to 11, further comprising a unit for gathering statistical parking data.

14. The parking management system according to any one of claims 1 to 13, further comprising a unit for converting statistical parking data into operative information, instructions, or comments.

15. The parking management system according to any one of claims 1 to 14, further comprising an inspection routing unit for processing at least one of parking related data, operative information, instructions, comments, or statistical information, to build automatic optimal inspection routes for each parking inspector.

16. The parking management system according to claim 15, wherein the inspection routing unit is responsive to parking inspectors' decisions communicated through their respective wireless mobile devices.

17. The parking management system according to any one of claims 1 to 11 or 13 to 16, wherein information streamed to inspectors includes real-time instructions related to current positions of inspectors.

18. The parking management system according to any one of claims 1 to 17, wherein a warning message is returned to a wireless mobile device of a user upon trying to activate a parking session at a currently paid parking space

19. The parking management system according to any one of claims 1 to 18, wherein a refusal or an error message is returned to a wireless mobile device of a parking inspector upon trying to impose a fine for parking violation on a currently paid parking space.

20. A method for distinguishing between parking spaces having identical codes in different parking regions, said method comprising:

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receiving a request from a user via a wireless mobile device for parking in a specific one of said parking spaces, and

determining the region of the specific parking space by determining the location of the wireless mobile device.

21. The method of claim 20, wherein a computer system accepts user's request for registering a parking session without requiring entry or pre-registration of user's vehicle ID.

22. The method according to any one of claims 20 to 21, comprising registering parking sessions of clients in a parking status registry, the parking registration includes normally billed parking sessions and zero billed parking sessions, said parking sessions are streamed to mobile devices of parking inspectors either as lists or as graphically displayed maps, without distinguishing between normally billed ones and zero billed ones.

23. The method according to any one of claims 20 to 22, further comprising providing instructions to a municipal worker having a wireless mobile device and receiving task related reports concerning a facility in the vicinity of the worker.

24. The method according to claim 23, further comprising;

associating between an identifiable facility and a task information related to said facility;

identifying said facility by a combination of:

(i) electronically extracting the region ID code of a group of facilities among which said facility is contained, through a communication with a wireless mobile device of a municipal worker present in the vicinity of said facility;

(ii) reading an input from the wireless mobile device providing a particular identification code pre-associated with each facility in the group.

25. The parking management system according to anyone of claims 1 to 19, further comprising :

at least one management status registry storing data related to a plurality of facilities and respective their maintenance records identifiers;

wherein the communication server is coupled to the management status registry for receiving incoming requests from a plurality of wireless mobile devices and for retrieving from the requests data relating to user ID, location data of a wireless mobile device used to report a specified facility, and to said facility code, and for providing retrieved data to the management status registry and to the user's wireless mobile device.

26. A municipality management system comprising :

at least one management status registry storing data related to a plurality of facilities and their respective maintenance record identifiers;

at least one communication server coupled to the management status registry for receiving incoming requests from a plurality of wireless mobile devices and for retrieving from the requests data relating to worker's user ID, location data of a wireless mobile device used to report a specified facility, and to said facility code, and for providing retrieved data to the management status registry and to the worker's wireless mobile device;

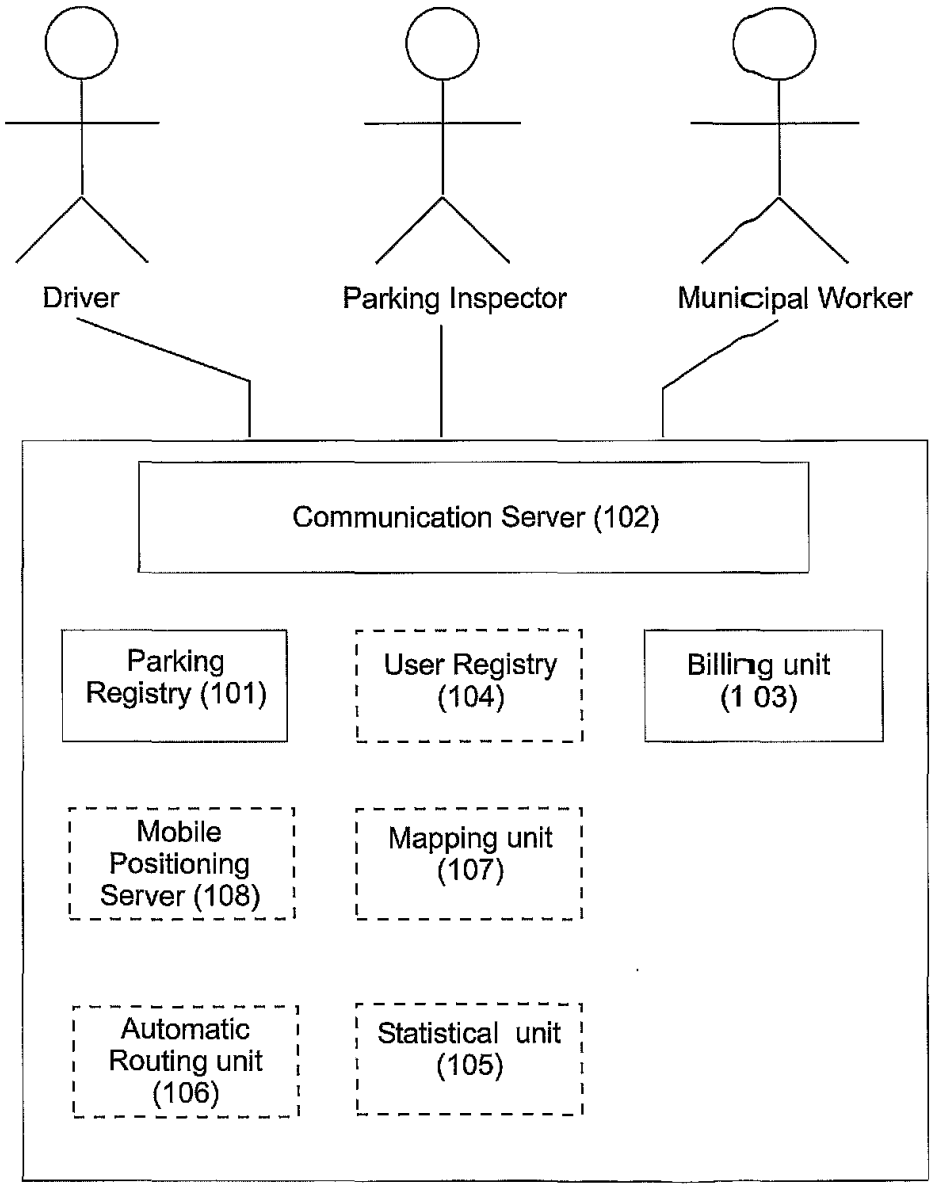
the system being responsive to the location data of a requested facility determined automatically from a location of the worker mobile device for distinguishing between facilities having identical facility codes in different country areas.

27. A method for parking status control, the method comprising registering parking sessions of clients in a parking status registry, the parking registration includes normally billed parking sessions and zero billed parking sessions, said parking sessions are streamed to mobile devices of parking inspectors either as lists or as graphically displayed maps, without distinguishing between normally billed ones and zero billed ones.

28. Computer readable media containing instructions to perform the method according any one of the claims 20 to 24 and 27.

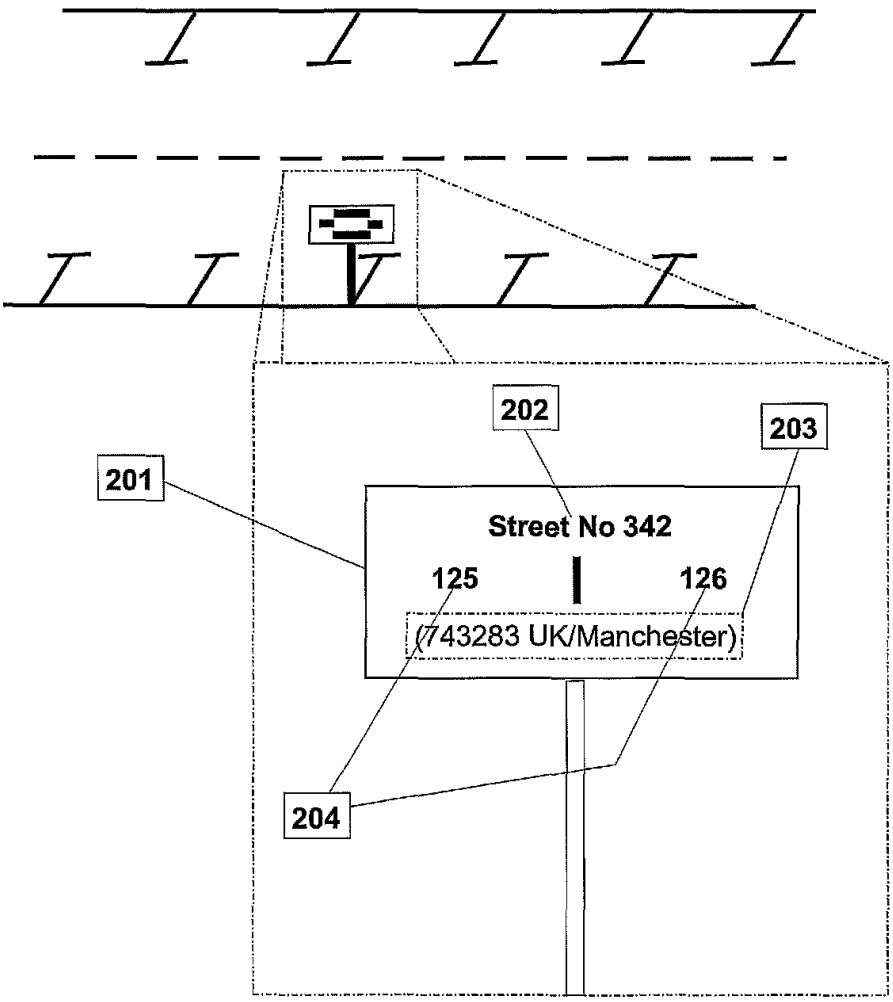
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FIG 1



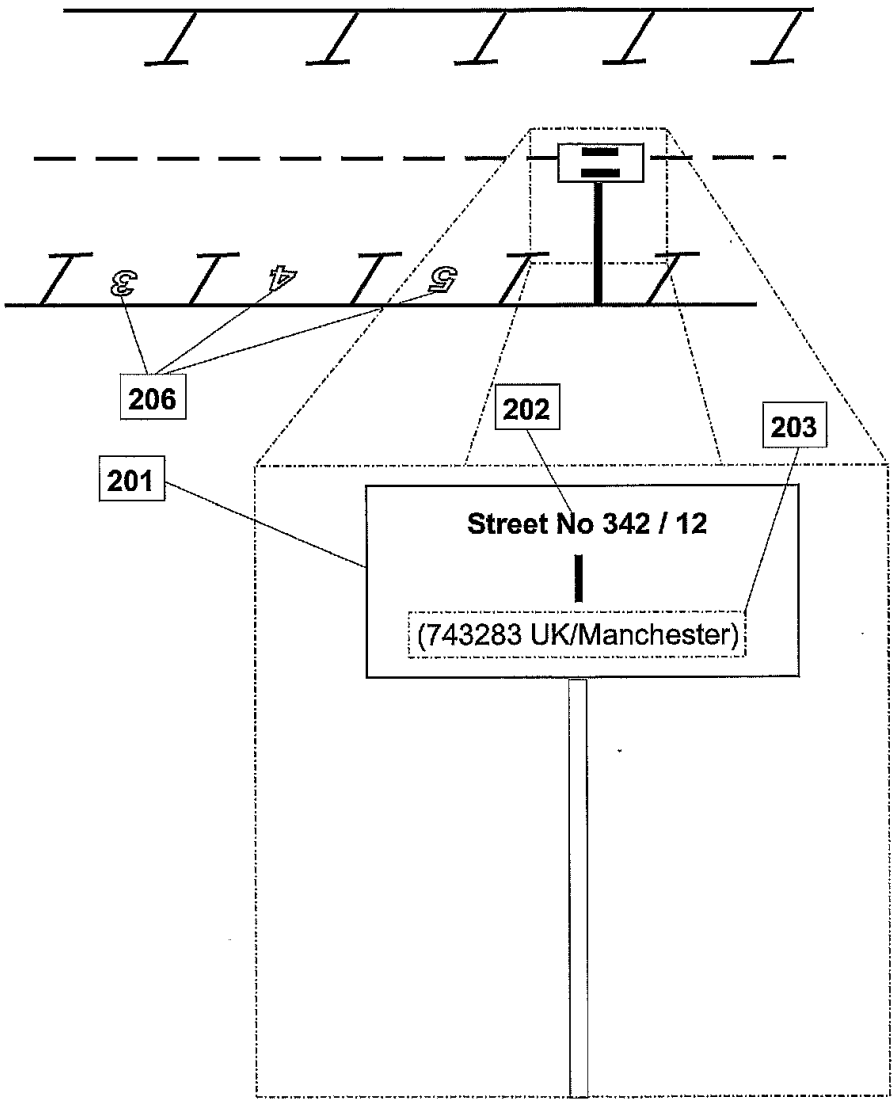
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FIG 2A



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FIG 2B



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FIG 3

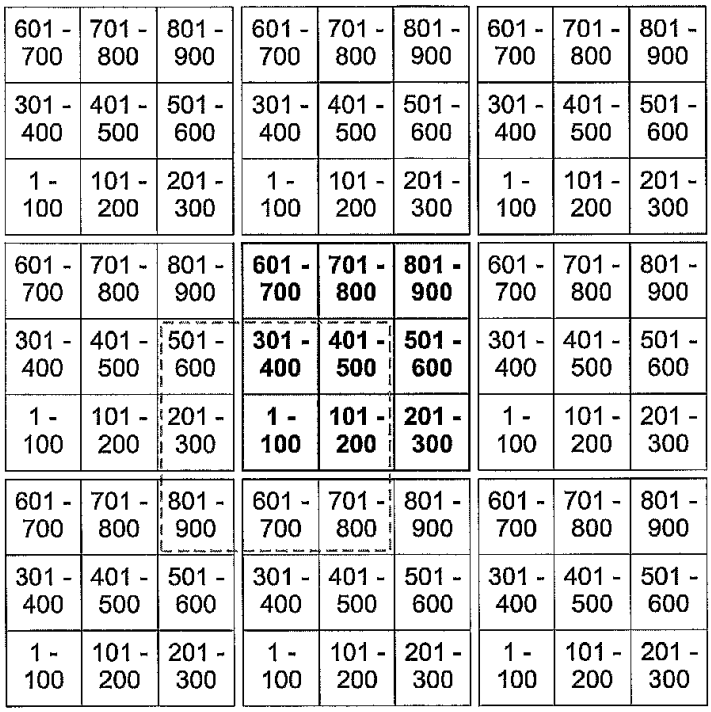
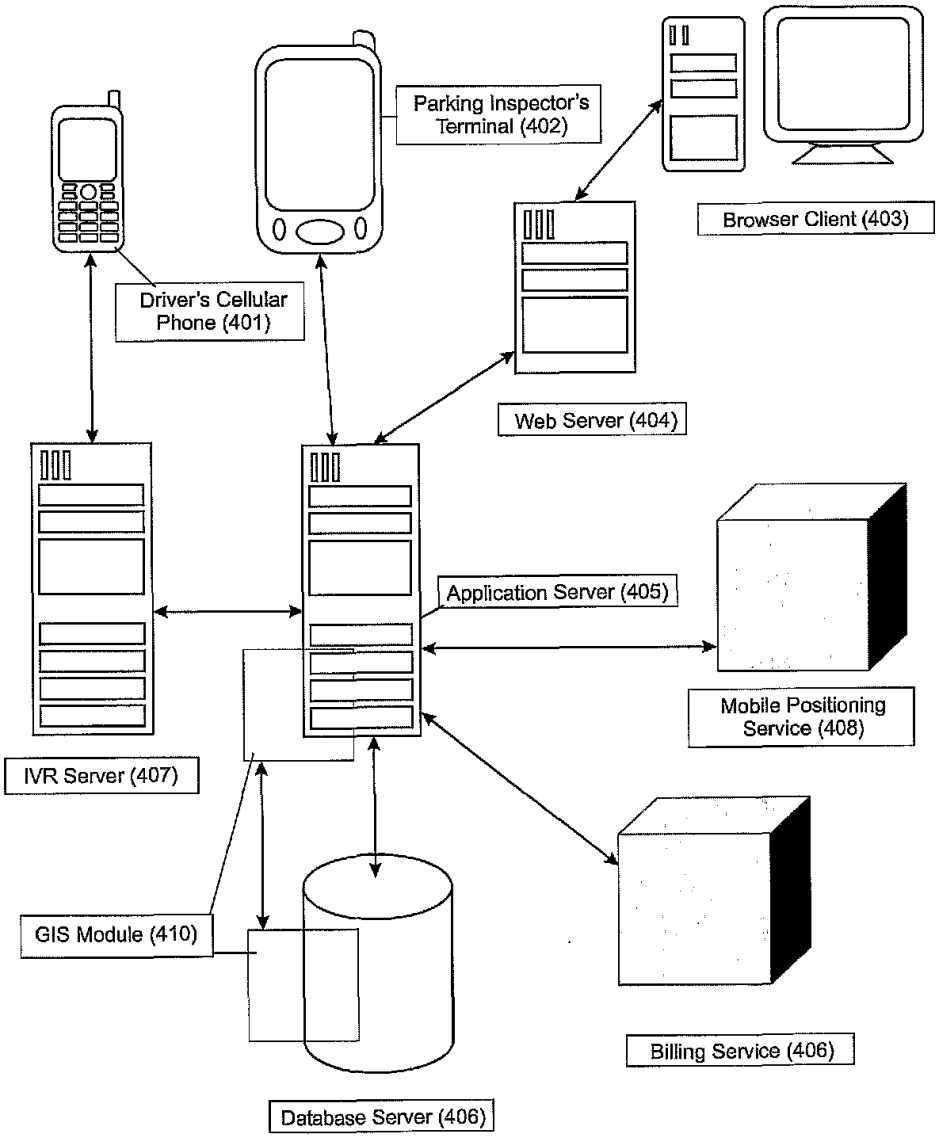
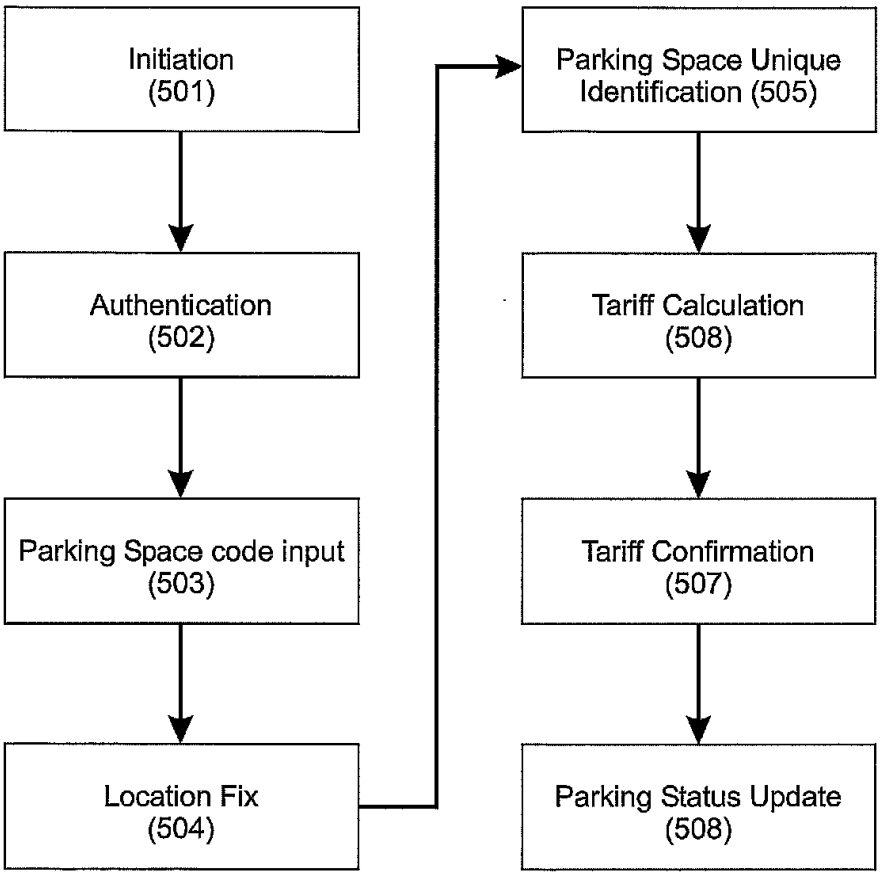

601 - 700
701 - 800
801 - 900
301 - 400
401 - 500
501 - 600
1 - 100
101 - 200
201 - 300

FIG 4



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FIG 5A



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FIG 5B

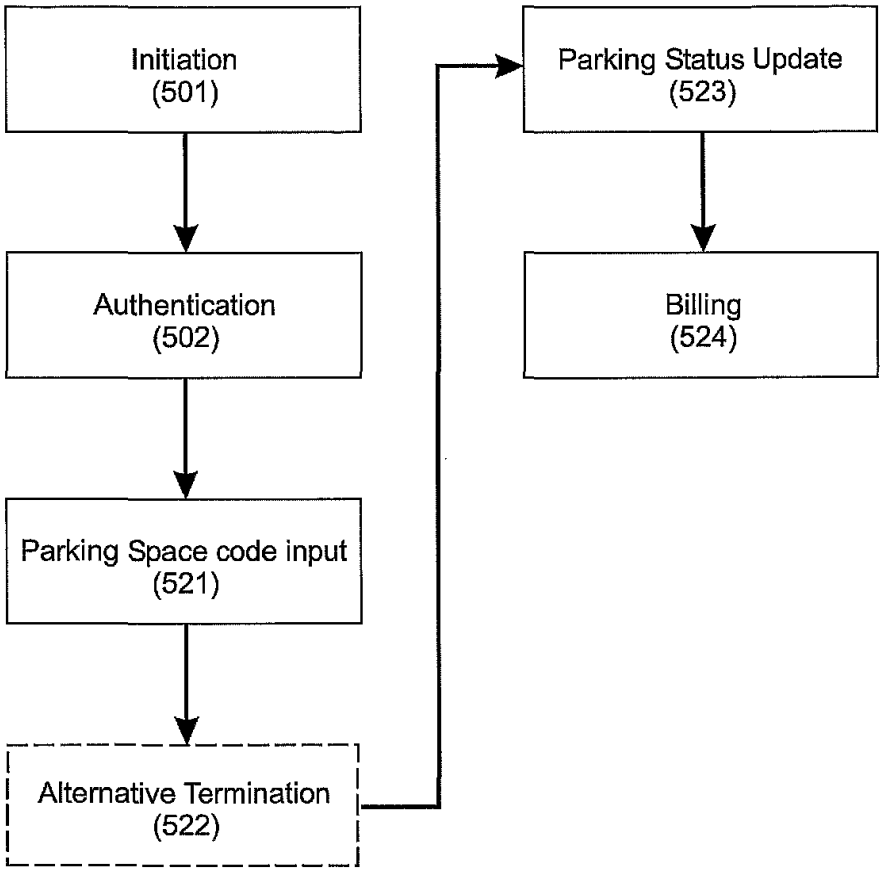

Initiation
(501)
Authentication
(502)
Parking Space code input
(521)
Alternative Termination
(522)
Parking Status Update
(523)
Billing
(524)

FIG 6A

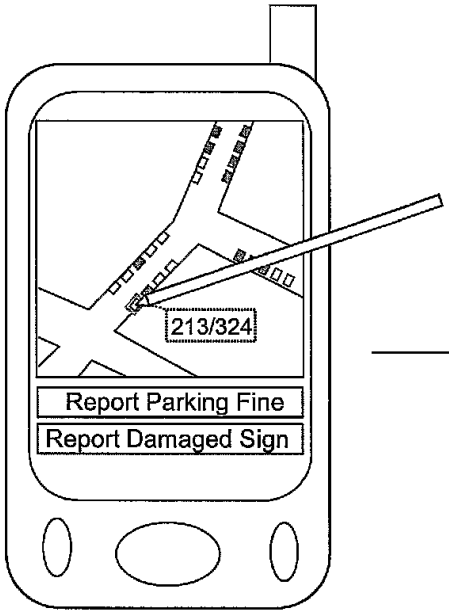

213/324
Report Parking Fine
Report Damaged Sign

FIG 6B


Parking Fine Report
License No 546 8975 985
Street / Parking No 213 / 324
City Tel Aviv
Area North
Report Time:
2005/02/05 15:34:34
Cancel
Apply

FIG 7

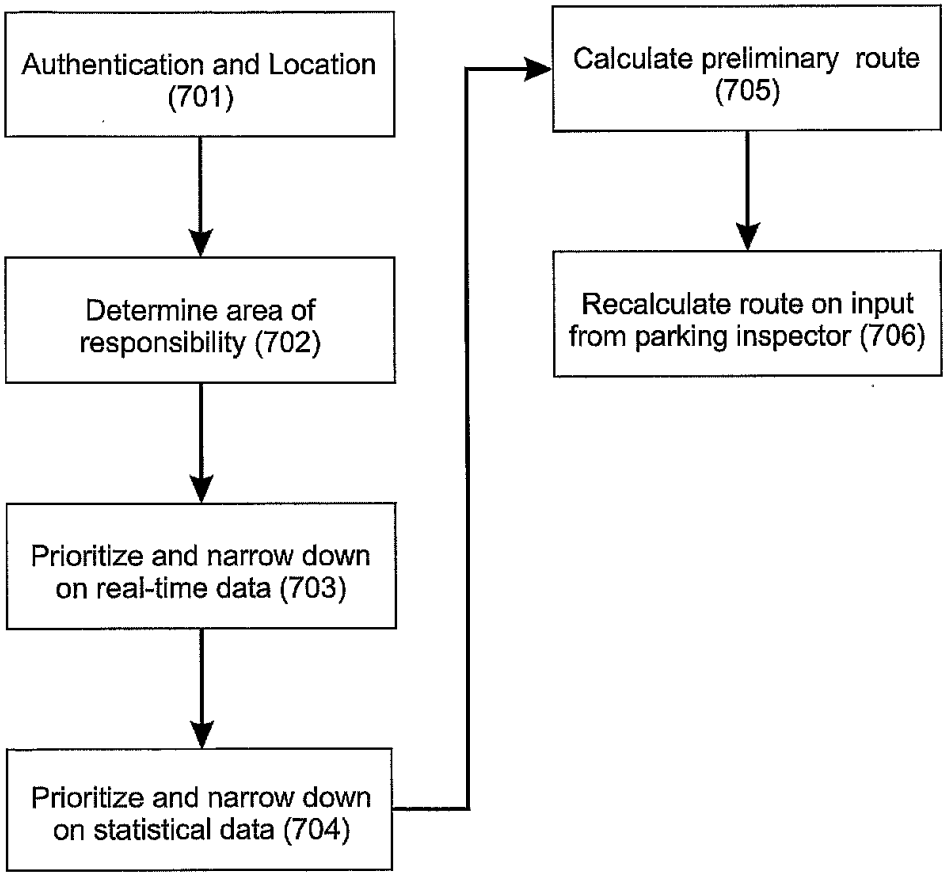
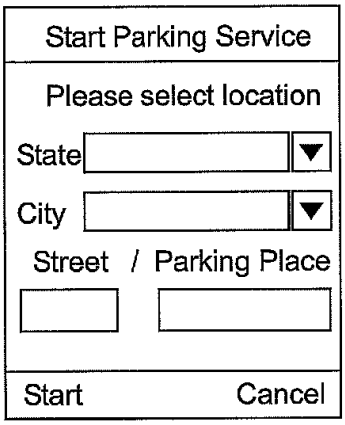
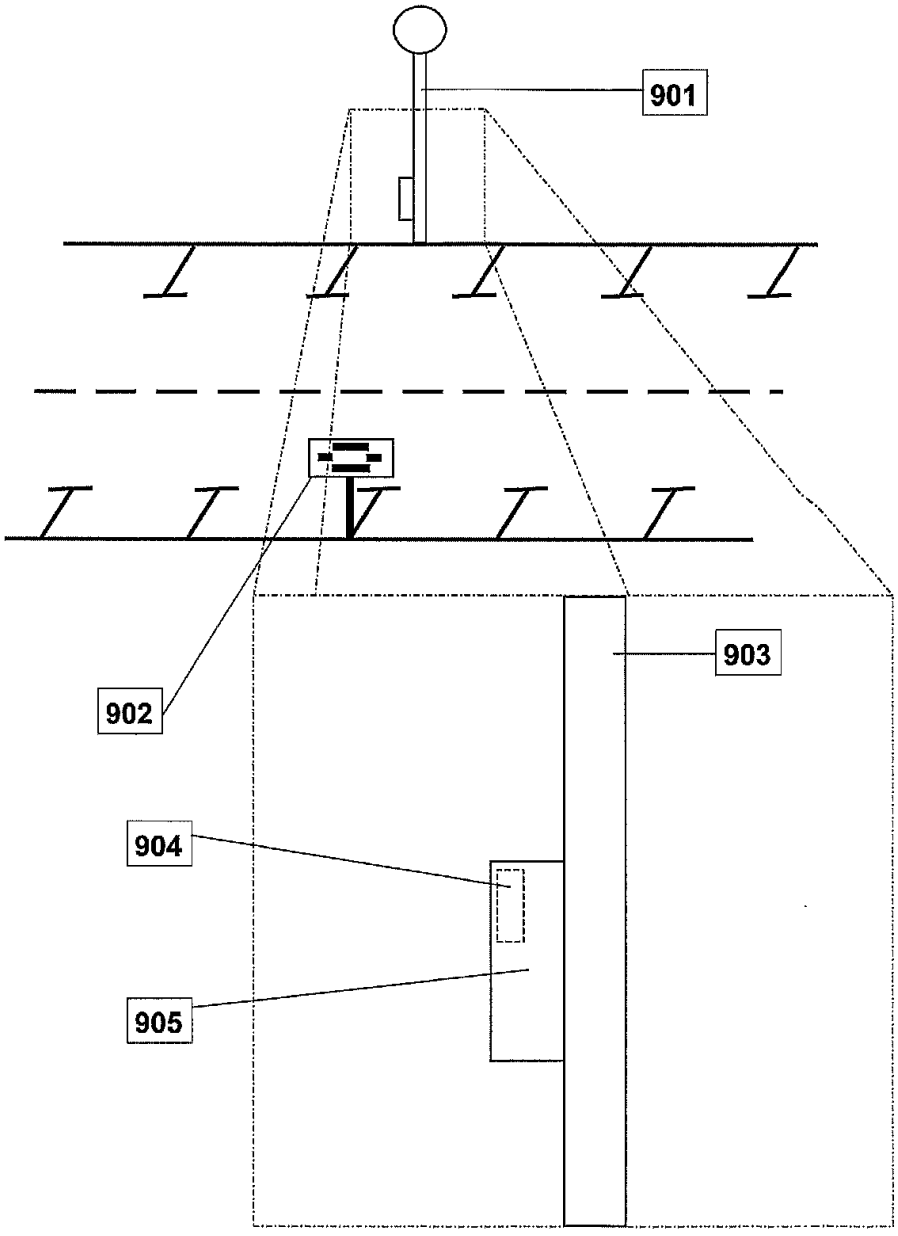

Authentication and Location (701)
Determine area of responsibility (702)
Prioritize and narrow down on real-time data (703)
Prioritize and narrow down on statistical data (704)
Calculate preliminary route (705)
Recalculate route on input from parking inspector (706)

FIG 8



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FIG 9



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INTERNATIONAL SEARCH REPORT

International Application No
PCT/IL2005/000279

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G07B15/02 G07F7/00 G06F17/60

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G07B G07F G06F G07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/88856 A (PAYWAY OY; HARJU, HEIKKI) 22 November 2001 (2001-11-22) paragraph '0001! paragraphs '0027! - '0035!; figure 4 paragraph '0039! paragraph '0044!; figure 7	1-26,28
X	WO 99/10844 A (RISING, ROLF) 4 March 1999 (1999-03-04) page 3, line 11 - page 6, line 4	1-26,28
X A	WO 98/04080 A (ZEITMAN, SHLOMO) 29 January 1998 (1998-01-29) page 4, line 23 - page 8, line 15	27 9-18

-/--

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
30 June 2005	08/07/2005

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Stenger, M

Form PCT/ISA/210 (second sheet) (January 2004)

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/IL2005/000279

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 577 248 B1 (HJELMVIK TORBERNT) 10 June 2003 (2003-06-10)	27
A	column 4, line 28 - line 58 column 5, line 57 - column 6, line 8	9-17
X	WO 93/20539 A (JONSSON, TOMMY) 14 October 1993 (1993-10-14)	27
A	page 4, line 6 - line 19 page 5, line 23 - line 34	9-17
A	US 2003/146852 A1 (O'DELL ROBERT B) 7 August 2003 (2003-08-07) paragraph '0036! paragraph '0049! paragraph '0062! - paragraph '0063!	7

Form PCT/ISA/210 (continuation of second sheet) (January 2004)

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL2005/000279

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-26, 28

Problem to be solved:
To provide a system with location data.
Solution:
To determine automatically the location of a mobile device and to retrieve in addition a specific parking space / facility code as defined in independent claims 1, 20 and 26.

---

2. claim: 27

Problem to be solved:
To provide a method for inspecting parking facilities.
Solution:
To stream registered parking sessions to mobile devices of parking inspectors as defined in claim 27.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/IL2005/000279

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0188856 A	22-11-2001	FI 20001159 A	16-11-2001
		AU 6036501 A	26-11-2001
		EP 1312050 A1	21-05-2003
		WO 0188856 A1	22-11-2001
		NO 20025498 A	15-11-2002
WO 9910844 A	04-03-1999	SE 507381 C2	25-05-1998
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WO 9804080 A	29-01-1998	IL 118898 A	31-08-2004
		AU 3271997 A	10-02-1998
		BR 9710878 A	11-01-2000
		CA 2260925 A1	29-01-1998
		EP 1004196 A1	31-05-2000
		HU 9904097 A2	28-03-2000
		WO 9804080 A1	29-01-1998
		JP 2002506541 T	26-02-2002
		PL 334610 A1	13-03-2000
		US 5940481 A	17-08-1999
US 6577248 B1	10-06-2003	SE 515797 C2	08-10-2001
		EP 1145198 A1	17-10-2001
		JP 2002534751 T	15-10-2002
		NO 20013268 A	29-06-2001
		SE 9900029 A	09-07-2000
		WO 0041142 A1	13-07-2000
WO 9320539 A	14-10-1993	SE 506681 C2	26-01-1998
		AU 3911993 A	08-11-1993
		DE 69316888 D1	12-03-1998
		DE 69316888 T2	03-09-1998
		EP 0634039 A1	18-01-1995
		ES 2115056 T3	16-06-1998
		SE 9201001 A	01-10-1993
		WO 9320539 A1	14-10-1993
US 2003146852 A1	07-08-2003	AU 2003217315 A1	02-09-2003
		WO 03067528 A2	14-08-2003

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PTO/SB/08a (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	14562149
Filing Date	12/05/2014
First Named Inventor	BASHANI, GILAD G.
Art Unit	
Examiner Name	
Attorney Docket Number	837

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 20020109610	15-08-2002	KATZ	
		US- RE38626	10-19-2004	KIELLAND	
		US- 201100991261	04-28-2011	BELANI	
		US- 20080055050	03-06-2008	BROWN	
		US-			
		US-			
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		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]–Number[4]–Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
		WO2005086097	15-09-2005	FRAIER		
		WO2002063243	08-15-2002	HUCKLE		

Examiner Signature	/HUNTER A MOLNAR/	Date Considered	07/06/2017

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /H.M./

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	("20020109610" | "20060028708" | "20080055050" | "20090073191" | "20110099126" | "20120030727").PN.	US-PGPUB; USPAT	OR	ON	2017/07/14 11:31
S2	12	("20020109610" | "20040068433" | "20060028708" | "20060244677" | "20080021770" | "20080055050" | "20080218383" | "20090073191" | "20110099126" | "20120030727" | "6927700" | "7764247").PN.	US-PGPUB; USPAT	OR	ON	2017/07/14 11:31
S3	82	("20030074132" | "20070126739" | "20100017118" | "20100228473" | "20110062230" | "20110178703" | "20130135118" | "20140067492" | "20140257949" | "20140310073" | "7237716" | "8816880" | "9064416" | "9082134")".PN.'"	US-PGPUB; USPAT	OR	ON	2017/07/17 11:13
S4	165	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 location	US-PGPUB; USPAT	OR	ON	2017/07/17 11:16
S5	253	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 (space or location)	US-PGPUB; USPAT	OR	ON	2017/07/17 11:16
S6	98	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 (space or location) and (G06Q2240$.cpc. or G07B15$.cpc.)	US-PGPUB; USPAT	OR	ON	2017/07/17 11:19
S7	10	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 (space or location) and (G06Q2240$.cpc. or G07B15$.cpc.) and @pd <"20110926"	US-PGPUB; USPAT	OR	ON	2017/07/17 11:24
S8	10	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 (space or location) and (G06Q2240$.cpc. or G07B15$.cpc.)	US-PGPUB; USPAT	OR	ON	2017/07/17 11:24

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		and @pd<"20110926"				
S9	0	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 (space or location) and (G06Q2240$.cpc. or G07B15$.cpc.) and @pd <"20110926"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/17 11:37
S10	20	"2005086097"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/17 11:37
S11	6	"2005086097".pn.	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/17 11:37
S12	1	"20110099126".pn.	US-PGPUB; USPAT	OR	ON	2017/07/17 11:38
S13	1	"20020109610".pn.	US-PGPUB; USPAT	OR	ON	2017/07/17 11:41
S14	62	("20020067264" | "20020185542" | "20030075608" | "20030189493" | "20040066296" | "20040119605" | "20050183990" | "20050200476" | "20050203798" | "20050234774" | "20050243784" | "20050284941" | "20060119481" | "20060145880" | "20060186201" | "20060284839" | "20070018832" | "20070021197" | "20070030151" | "20070057469" | "20070075148" | "20070075861" | "20070096906" | "20070109101" | "20070126578" | "20070136218" | "20070152829" | "20070164863" | "20070175972" | "20070296599" | "20080113767" | "20090033463" | "20090085721" | "20090167699" | "20090309086" | "20100063652" | "20100097195" | "20100114426" | "20100123581" | "20100171592" | "20100177993" | "20100271187" | "20100308964" | "20100308975" | "20110163850" | "20110227748" | "20110266342" | "20110285507" | "20130314207" | "20140061303" | "20140061382" | "20140176307" | "20140232519" | "20150357948" | "6366242" | "6531964" | "8169303" | "8482412" | "8542834" | "8556178" | "8893969" | "9405948").PN.	US-PGPUB; USPAT	OR	ON	2017/07/17 13:35
S15	1474	camera near10 (vehicle or space) near10 display and parking near10 (system)	US-PGPUB; USPAT	OR	ON	2017/07/17 13:47
S16	111	camera near10 (vehicle or space) near10 display and parking near10 (system) and (G06Q$.cpc. or G07B15$.cpc.)	US-PGPUB; USPAT	OR	ON	2017/07/17 13:48
S17	1	(account or profile) near10 (compar$4 or match$4) near10 (unpaid or paid or expired) same parking	US-PGPUB; USPAT	OR	ON	2017/07/17 15:27

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S18	66	(account or profile) near10 (compar$4 or match$4) near10 parking	US-PGPUB; USPAT	OR	ON	2017/07/17 15:34
S19	11230667	(account or profile) near10 (compar$4 or match$4) near10 parking @pd<"20110216"	US-PGPUB; USPAT	OR	ON	2017/07/17 15:35
S20	25	(account or profile) near10 (compar$4 or match$4) near10 parking and @pd<"20110216"	US-PGPUB; USPAT	OR	ON	2017/07/17 15:35
S21	1	"20100026522".pn.	US-PGPUB; USPAT	OR	ON	2017/07/17 15:39
S22	1	"20060059037"	US-PGPUB; USPAT	OR	ON	2017/07/21 11:22
S23	1	"20040133464".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 11:22
S24	1	"20040068433".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 11:23
S25	1	"6340935".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 11:23
S26	1	"20040181496".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 11:23
S27	20	"2005086097"	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/21 11:23
S28	9	"2002063243"	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/21 11:24
S29	1	"20080055050".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 11:49
S30	1	(payment) near10 (audible or audio or sound) near10 status near20 parking	US-PGPUB; USPAT	OR	ON	2017/07/21 11:51
S31	115	(payment) near10 (audible or audio or sound) near10 parking	US-PGPUB; USPAT	OR	ON	2017/07/21 11:52
S32	1	(payment) near10 (recitation or "voice message") near10 parking	US-PGPUB; USPAT	OR	ON	2017/07/21 12:40
S33	1	(pay$6) near10 (recitation or "voice message") near10 parking	US-PGPUB; USPAT	OR	ON	2017/07/21 12:41
S34	1	(pay$6) near10 (recitation or "voice message") near10 park$5	US-PGPUB; USPAT	OR	ON	2017/07/21 12:41
S35	323	(pay$6) near10 (recitation or "voice message")	US-PGPUB; USPAT	OR	ON	2017/07/21 12:41
S36	25	(pay$6) near10 (recitation or "voice message") and parking	US-PGPUB; USPAT	OR	ON	2017/07/21 12:41
S37	46	parking near20 voice near4 (alert or alarm)	US-PGPUB; USPAT	OR	ON	2017/07/21 12:48
S38	46	S37 not S36	US-PGPUB; USPAT	OR	ON	2017/07/21 12:48
S39	442	parking near10 subscri$6	US-PGPUB; USPAT	OR	ON	2017/07/27 15:29
S40	79	parking near10 subscri$6 and (space or spot) near10 (expir$5 or unpaid or un-paid or "not paid")	US-PGPUB; USPAT	OR	ON	2017/07/27 15:29

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S41	338020	(G06Q$.cpc. or G07B$.cpc.)	US-PGPUB; USPAT	OR	ON	2017/07/27 15:30
S42	52	S40 and S41	US-PGPUB; USPAT	OR	ON	2017/07/27 15:30
S43	2	S40 and S41 and @pd<"20110926"	US-PGPUB; USPAT	OR	ON	2017/07/27 15:40
S44	514	(space or spot) near10 (expir$5 or unpaid or un-paid or "not paid") and S41 and @pd<"20110926"	US-PGPUB; USPAT	OR	ON	2017/07/27 15:42
S45	77	(space or spot) near10 (expir$5 or unpaid or un-paid or "not paid") and G07B$.cpc. and @pd<"20110926"	US-PGPUB; USPAT	OR	ON	2017/07/27 15:43
S46	121	compar$5 near10 (two or "2") near10 (park$4 and (cars or vehicles))	US-PGPUB; USPAT	OR	ON	2017/07/28 09:10
S47	9	compar$5 near10 (two or "2") near10 (park$4 and (cars or vehicles)) and G07B$.cpc.	US-PGPUB; USPAT	OR	ON	2017/07/28 09:11
S48	58	center near7 parking near4 (space or spot) and G07B$.cpc.	US-PGPUB; USPAT	OR	ON	2017/07/28 09:14
S49	7	location same (middle) near7 parking near4 (space or spot) and G07B$.cpc.	US-PGPUB; USPAT	OR	ON	2017/07/28 10:08
S50	129	parking near4 (space or spot) near10 (length and (center or centre or middle))	US-PGPUB; USPAT	OR	ON	2017/07/28 10:16

8/1/2017 7:35:55 PM
C:\Users\hmolnar\Documents\EAST\Workspaces\14562149.wsp

Oracle EX1002, p. 153
Oracle v. Parking WW
IPR2023-00385

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

BIB DATA SHEET

CONFIRMATION NO. 2753

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
14/562,149	12/05/2014 RULE	705	3628	837

APPLICANTS

INVENTORS

GILAD G. BASHANI, City of Clayton, MO;

** **CONTINUING DATA** **********

** **FOREIGN APPLICATIONS** **********

** **IF REQUIRED, FOREIGN FILING LICENSE GRANTED** ** MICRO ENTITY **
12/17/2014

Foreign Priority claimed ☐ Yes ☑ No 35 USC 119(a-d) conditions met ☐ Yes ☑ No Verified and Acknowledged /HUNTER A MOLNAR/ Examiner's Signature	☐ Met after Allowance Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		MO	4	20	3

ADDRESS

CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017
UNITED STATES

TITLE

PARKING STATUS SYSTEM

FILING FEE RECEIVED	FEES: Authority has been given in Paper	
435	No._____ to charge/credit DEPOSIT ACCOUNT No._____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

Oracle EX1002, p. 154
Oracle v. Parking WW
IPR2023-00385

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/562,149	BASHANI, GILAD G.
	Examiner	Art Unit
	Hunter Molnar	3628

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	08/01/2017								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
	7	✓								
	8	✓								
	9	✓								
	10	✓								
	11	✓								
	12	✓								
	13	✓								
	14	✓								
	15	✓								
	16	✓								
	17	✓								
	18	✓								
	19	✓								
	20	✓								

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PTO/SB/08a (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	14562149
Filing Date	12/05/2014
First Named Inventor	BASHANI, GILAD G.
Art Unit	
Examiner Name	
Attorney Docket Number	837

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 2006/0059037	03-16-2006	IVEY & JANACEK	
		US- 2004/0133464	07-08-2004	ERSKINE	
		US- 2004/0068433	04-08-2004	CHATTERJEE	
		US- 6340935	01-22-2002	HALL	
		US- 2004/0181496	09-16-2004	ODINOTSKI	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]–Number[4]–Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]

Examiner Signature	/HUNTER A MOLNAR/	Date Considered	07/06/2017

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /H.M./

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Bashani, Gilad G.	**GAU: 3628**
SERIAL NO: 14/562149	**EXAMINER: Molnar, Hunter A.**
FILED: 12/05/2014	**St. Louis, Missouri**
FOR: Parking Status System	**Date: 09/28/2017**
	DN: 837

Mail Stop: AIA/AAU/OPAP
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

REQUEST FOR FILING RECEIPT CORRECTION

Sir:

This is in response to the Informational Notice dated Dec. 19, 2014. This response is submitted before any Notice of Allowability has arrived, and no extension fee is due. This is also in follow up to our response of 1/27/15.

Perhaps things are as busy in your office as here. Our response of 1/27/15 had as an appendix an Application Data Sheet claiming priority to the parent application of this application and a declaration also setting forth the priority claim. Priority shown in that Application Data Sheet and that declaration did not appear on the 1/19/14 filing receipt.

On behalf of the Applicant, we hereby request correction of the filing receipt to show the claim to priority. Kindly find provided as appendices:

This request.

E-filing receipt dated 1/27/2015.

Application Data Sheet dated 1/26/2015.

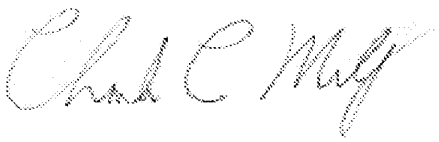
Declaration dated 1/21/2015.

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Response dated 1/27/2015.

Kindly update the filing receipt for this application in a timely manner.

Respectfully Submitted,



Charles C. McCloskey
Attorney for Applicant
Pat. Off. Reg. No. 46,911
13321 N. Outer 40 Rd. Ste. 100
Town & Country, MO 63017
(636) 527-9962

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Acknowledgement Receipt

The USPTO has received your submission at **12:46:13** Eastern Time on **27-JAN-2015** .

$ **35** fee paid by e-Filer via *RAM* with Confirmation Number: 10473.

eFiled Application Information

EFS ID	21318547
Application Number	14562149
Confirmation Number	2753
Title	PARKING STATUS SYSTEM
First Named Inventor	GILAD G. BASHANI
Customer Number or Correspondence Address	27789
Filed By	Charles McCloskey
Attorney Docket Number	837
Filing Date	05-DEC-2014
Receipt Date	27-JAN-2015
Application Type	Utility under 35 USC 111(a)

Application Details

Submitted Files	Page Count	Document Description	File Size	Warnings
DN837_response_missing_parts.pdf	2	Applicant Response to Pre-Exam Formalities Notice	60875 bytes	PASS
DN837_ADS.pdf	5	Application Data Sheet	97882 bytes	WARNINGS
This is not an USPTO supplied ADS fillable form				
DN837_IDS.pdf	1	Information Disclosure Statement (IDS) Form (SB08)	114512 bytes	WARNINGS
This is not an USPTO supplied IDS fillable form				
DN837_IDS2.pdf	1	Information Disclosure Statement (IDS) Form (SB08)	114650 bytes	WARNINGS
This is not an USPTO supplied IDS fillable form				
DN391_micro_signed.pdf	1	Certification of Micro Entity (Gross Income Basis)	1028712 bytes	PASS
fee-info.pdf	2	Fee Worksheet (SB06)	30244 bytes	PASS

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53 (b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

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New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

If you need help:

- *To ask questions about Patent e-Filing, or to suggest improvements to the online system, or report technical problems, please call the Patent Electronic Business Center at (866) 217-9197 (toll free) or send email to EBC@uspto.gov.*
- *Send general questions about USPTO programs to the USPTO Contact Center (UCC).*
- *For general questions regarding a petition, or requirements for filing a petition, contact the Office of Petitions Help Desk at 1 800-786-9199.*

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PTO/AIA/14 (03-13)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
Mr.	Gilad	G.	Bashani	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Clayton	State/Province	MO	Country of Residence	US

Mailing Address of Inventor:

Address 1	8331 University Dr.		
Address 2			
City	Clayton	State/Province	MO
Postal Code	63105	Country	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	27789		
Email Address	ccmlaw@socket.net	Add Email	Remove Email

Application Information:

Title of the Invention	PARKING STATUS SYSTEM		
Attorney Docket Number	837	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)		Suggested Figure for Publication (if any)	

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

Publication Information:

☐	Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐	**Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	27789		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation in part of	13245385	2011-09-26
Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
13425385	non provisional of	61386645	2010-09-27

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)[1] the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

PTO/AIA/14 (03-13)
Approved for use through 01/31/2014. OMB 0651-0032
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Remove Access Code[i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

Authorization to Permit Access:

☐ Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date o f filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

PTO/AIA/14 (03-13)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◯ Assignee	◯ Legal Representative under 35 U.S.C. 117	◯ Joint Inventor
◯ Person to whom the inventor is obligated to assign.	◯ Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :

If the Applicant is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Applicant:

Address 1			
Address 2			
City		**State/Province**	
Country		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Non-Applicant Assignee Information:

Providing assignment information in this section does not subsitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section only if non-applicant assignee information is desired to be included on the patent application publication in accordance with 37 CFR 1.215(b). Do not include in this section an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest), as the patent application publication will include the name of the applicant(s).

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Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

If the Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Non-Applicant Assignee:

Address 1	
Address 2	

City		**State/Province**	
Country [i]		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee Data may be generated within this form by selecting the Add button.

Signature:

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Signature	/ggbby ccm/			Date (YYYY-MM-DD)	2015-01-26
First Name	Charles	Last Name	McCloskey	Registration Number	46911

Additional Signature may be generated within this form by selecting the Add button.

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Oracle v. Parking WW
IPR2023-00385

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter of Parking Status System which is the specification which

(check one) ____x_____ is attached hereto.
_____ was filed on _____ as
Application Serial No._____
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

**I hereby state that the above-identified application was authorized to be made by the undersigned inventor executing this declaration.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed: N/A.

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below: N/A

61/386,645	Sep. 27, 2010
Application Number	Filing Date

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United

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States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

13/245385	Sep. 26, 2011
Application Number	Filing Date

I do hereby appoint Charles C. McCloskey, Patent Office registration No. 46,911, with offices at 13321 N. Outer 40 Rd. Ste. 100, Town & Country, MO 63017, Tel. No. (636) 527-9962, as my attorney and agent with full power of substitution and revocation, to prosecute the application above set forth, and to transact all business in the United States Patent and Trademark Office in connection therewith.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole inventor:	Gilad G. Bashani
Inventor's signature:	
Date:	1-21-2015
Residence:	City of Clayton State of Missouri
Citizenship:	U.S.A.
Post Office Address:	8331 University Dr. Clayton, MO 63105 U.S.A.

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Oracle v. Parking WW
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Bashani, Gilad G.	**GAU: OIPE**
SERIAL NO: 14/562149	**EXAMINER: OIPE**
FILED: 12/05/2014	**St. Louis, Missouri**
FOR: Parking Status System	**Date: 01/27/2015**
	DN: 837

Mail Stop: OIPE
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

RESPONSE TO INFORMATIONAL NOTICE

Sir:

This is in response to the Informational Notice dated Dec. 19, 2014. The Notice did not identify a response period. This response is submitted before any Notice of Allowability has arrived, and no extension fee is due.

The Notice identified the declaration as filed omitted a sentence about authorizing the making of this Application. Kindly find attached as an appendix, a declaration including such a sentence. As this declaration is submitted after filing, a surcharge of $35 is provided.

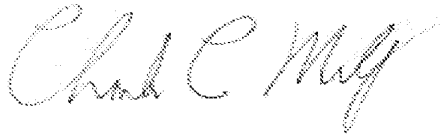
The filing receipt dated Dec. 19, 2014 noted a claim to domestic priority must appear in an Application Data Sheet besides in the declaration. Kindly find attached as an appendix an Application Data Sheet claiming priority to the parent application of this application as set forth in the declaration.

Also provided in this response are two Information Disclosure Statements.

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The Applicant believes the specification, claims, and drawings as filed and the latest declaration and Application Data Sheet put this application in condition for further processing towards examination and then allowance.

Respectfully Submitted,



Charles C. McCloskey
Attorney for Applicant
Pat. Off. Reg. No. 46,911
13321 N. Outer 40 Rd. Ste. 100
Town & Country, MO 63017
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Electronic Acknowledgement Receipt

EFS ID:	30503439
Application Number:	14562149
International Application Number:	
Confirmation Number:	2753
Title of Invention:	PARKING STATUS SYSTEM
First Named Inventor/Applicant Name:	GILAD G. BASHANI
Customer Number:	27789
Filer:	Charles McCloskey
Filer Authorized By:	
Attorney Docket Number:	837
Receipt Date:	28-SEP-2017
Filing Date:	05-DEC-2014
Time Stamp:	13:09:03
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Corrected Filing Receipt	DN837_Req_filing_receipt_correction.pdf	60723 8768c7c0c70d95557bdb454ee270f3ee3ab44147	no	2

Warnings:

Information:					
2	Request for Corrected Filing Receipt	DN837_E_filing_receipt.pdf	89292 41957d85f066ce4178f2b2606d72061b0ee76336	no	2
Warnings:					
Information:					
3	Request for Corrected Filing Receipt	DN837_ADS.pdf	97882 28db7dbc0ea2fc81196b98a79ddc3ff14ee93fb8	no	5
Warnings:					
Information:					
4	Request for Corrected Filing Receipt	DN391_Dec_POA2_signed.pdf	473058 eaeecd06dcee5b7d2461cc0e8fae681dfe1015e2	no	2
Warnings:					
Information:					
5	Request for Corrected Filing Receipt	DN837_response_missing_parts.pdf	60875 cc34ca859a3dc7f57f4ef8ddf709b775ae2787f9	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	781830		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
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www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/562,149	12/05/2014	GILAD G. BASHANI	837

CONFIRMATION NO. 2753

IMPROPER CFR REQUEST

27789
CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

OC000000094453678

Date Mailed: 09/29/2017

RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT

Continuity, Priority Claims, Petitions, and Non-Publication Requests

In response to your request for a corrected Filing Receipt, the Office is unable to comply with your request because:

- The priority or continuity claim has not been entered because it was not filed during the required time period. Applicant may wish to consider filing a petition to accept an unintentionally delayed claim for priority. See 37 CFR 1.55 or 1.78.

Power of Attorney, Claims, Fees, System Limitations, and Miscellaneous

In response to your request for a corrected Filing Receipt, the Office is unable to comply with your request because:

- The ADS submitted on 01/27/2015, 09/28/2017 was not properly marked up to show the desired changes. For information being changed relative to the information already of record, additions must be shown with underlining, and deletions must be shown with strike-through or brackets. See 37 CFR 1.76(c)(2)

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/lqchau/

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Doc Code: M865 or FAI.REQ.INTV

PTOL-413A (07-16)
Approved for use through 08/31/2016. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Applicant Initiated Interview Request Form

Application No.: 14/562149 First Named Applicant: Bashani, Gilad G.
Examiner: Molnar, Hunter A. Art Unit: 3628 Status of Application: FAIP, pending

Tentative Participants:
(1) Hunter A. Molnar (2) Charles McCloskey attorney for applicant
(3) Gil Bashani in office with attorney but not on call (4) _____

Proposed Date of Interview: 10/25/17 **Proposed Time:** 2:30PM EDT (◎AM ◎PM)

Type of Interview Requested:
(1) ☑ Telephonic (2) ☐ Personal (3) ☐ Video Conference

Exhibit To Be Shown or Demonstrated: ☐ YES ☑ NO
If yes, provide brief description: _____

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) 112	1		☐	☐	☐
(2) 101	all		☐	☐	☐
(3) 103	1, 12 dependents	Bashani, Fraier	☐	☐	☐
(4)			☐	☐	☐

☐ Continuation Sheet Attached ☑ Proposed Amendment or Arguments Attached
Brief Description of Arguments to be Presented: This application claimed priority to Bashani; Fraier requires RF tags placed in parking space while the present invention does not

An interview was conducted on the above-identified application on _____

NOTE: This form should be completed and filed by applicant in advance of the interview (see MPEP § 713.01). If this form is signed by a registered practitioner not of record, the Office will accept this as an indication that he or she is authorized to conduct an interview on behalf of the principal (37 CFR 1.32(a)(3)) pursuant to 37 CFR 1.34. This is not a power of attorney to any above named practitioner. See the Instruction Sheet for this form, which is incorporated by reference. By signing this form, applicant or practitioner is certifying that he or she has read the Instruction Sheet. After the interview is conducted, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible. This application will not be delayed from issue because of applicant's failure to submit a written record of this interview.

/GGBbyCCM/
Applicant/Applicant's Representative Signature

Examiner/SPE Signature

Charles C. McCloskey
Typed/Printed Name of Applicant or Representative

636-527-9962
Applicant's/Applicant's Representative's Telephone Number

46911
Registration Number, if applicable

This collection of information is required by 37 CFR 1.133. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 24 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Bashani, Gilad G.	**GAU: 3628**
SERIAL NO: 14/562149	**EXAMINER: Molnar, Hunter A.**
FILED: 12/05/2014	**St. Louis, Missouri**
FOR: Parking Status System	**Date: 09/29/2017**
	DN: 837

Mail Stop: AIA/AAU/OPAP
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

REQUEST AND PROPOSED AMENDMENT FOR APPLICANT INITIATED TELEPHONE INTERVIEW UNDER THE FIRST ACTION INTERVIEW PILOT PROGRAM

Sir:

This is in response to the First Action Interview Pilot Program Pre-Interview Communication dated 08/03/17. Attorney for Applicant hereby requests a telephone interview within the next 60 days with a suggested date of 10/25/17. A proposed amendment follows as an agenda for the telephone interview.

Because this request is submitted within one month of the reply deadline, a one month extension fee is also submitted.

Remarks begin on page 13.

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PROPOSED AMENDMENT AND AGENDA FOR TELEPHONE INTERVIEW

1 Introductions of people:

Examiner Hunter A. Molnar

Attorney Chuck McCloskey

Applicant Gil Bashani [in office with Attorney but not on call]

2 discussion of suggested claim edits

CLAIMS

Please amend the claims as follows:

1. (currently amended) A method for representing the parking status of a plurality of parking spaces to a screen of a user's portable electronic device upon a real time camera view, any of said at least one parking space being one of PAID for current payment and UNPAID upon exhaustion of payment, any of a plurality of subscribers ~~subscribes~~ utilizing ~~utilize~~ said method to reserve at least one of the plurality of parking spaces and then to pay for at least one of the plurality of parking spaces, the method comprising:

assembling a database upon a computer of said plurality of parking spaces, said database including geographic locations of said plurality of parking spaces and time limits applicable to each of said plurality of parking spaces;

updating a database upon a computer of subscribers, said database including a list of parking spaces reserved by each subscriber, a list of parking spaces paid for by each subscriber, and a list of the expiration times for each paid for parking space of each subscriber;

calculating a location of said user, said calculating a location of said user adapted to utilize a location finding feature of said user's portable electronic device;

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determining upon a computer a location of one of said plurality of parking spaces by comparing the location of said user to said database of said plurality of parking spaces and selecting one of said plurality of parking spaces within three feet of the position of said user;

comparing upon a computer the location of one of said plurality of parking spaces with said database of subscribers further comprising comparing upon a computer the location of one of said plurality of parking spaces against said list of parking spaces paid for by said subscribers for a match between said location and said list of parking spaces paid for by said subscribers;

upon detecting a match between said location and said list of parking spaces paid for by said subscribers, comparing the matched parking space to said list of expiration times and upon detecting the matched parking ~~spaced~~ spaces exceeding an expiration time displaying upon said user's screen an UNPAID payment status upon an image of the matched parking space, wherein the user may execute enforcement measures upon any vehicle in said matched parking space wherein said payment status is identified as UNPAID;

wherein said method transforms upon a computer location data of said plurality of parking spaces and payment status data of said plurality of parking spaces into indicia of UNPAID parking ~~spaced~~ spaces upon the real time camera view on the screen of a user's device for enforcement.

~~2. (cancelled) The method for representing the parking status of claim 1 further comprising:~~

~~said assembling a database upon a computer of said plurality of parking spaces including a location of a center of each of said plurality of parking spaces and a length for each of said plurality of parking spaces; and,~~

~~said comparing upon a computer the location of one of said plurality of parking spaces with said database of subscribers further comprising comparing upon a computer the locations said plurality of parking spaces against said list of parking spaces paid for by said subscribers for two subscribers in adjacent ones of said plurality of parking spaces wherein said method displays an overlay of a~~

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~~shape of one of said parking spaces upon the screen of a user's device for verification of vehicle positions related to that one of said parking spaces.~~

3. (original) The method for representing the parking status of claim 1 further comprising:

opening an account for each of said subscribers wherein said account permits each of said subscribers to reserve at least one of said plurality of parking spaces and permits each of said subscribers to pay for at least one of said plurality of parking spaces utilizing means of electronic payment.

~~4. (cancelled) The method for representing the parking status of claim 3 further comprising:~~

~~said opening an account including an encrypted account for each of said subscribers.~~

~~5. (cancelled) The method for representing the parking status of claim 4 further comprising:~~

~~said opening an account including an encrypted account cooperating with said updating a database upon a computer of subscribers of the subscriber database wherein when a subscriber elects to depart a parking space before the expiration time for the parking space;~~

~~said encrypted account permits a subscriber to request a refund of funds remaining when the subscriber elects to depart a parking space before the expiration time for the parking space;~~

~~said encrypted account then returns that parking space to inventory of available parking spaces following the election of the departed subscriber; and,~~

~~wherein said method reduces those empty of said plurality of parking spaces before the expiration time and allows other subscribers to utilize those empty of said plurality of parking spaces.~~

6. (currently amended) The method for representing the parking status of claim 1 further comprising:

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said UNPAID payment status including indicia ~~overlaid~~ overlaying upon said user's screen said indicia including the word UNPAID, a colored logo, a circle with a bar or a letter X.

~~7. (cancelled) The method for representing the parking status of claim 6 wherein said UNPAID payment status indicia has a first color indicating UNPAID status for less than fifteen minutes and a second color indicating UNPAID status for more than fifteen minutes.~~

8. (original) The method for representing the parking status of claim 1 further comprising:

said UNPAID payment status including an audible recitation.

9. (currently amended) The method for representing the parking status of claim 1 further comprising:

said comparing the matched parking space to said list of expiration times and upon detecting the matched parking ~~spaced~~ spaces exceeding an expiration time utilizing augmented reality upon said user's screen to denote an UNPAID payment status of an image of a matched parking space.

~~10. (cancelled) The method for representing the parking status of claim 2 further comprising:~~

~~said comparing the matched parking space to said list of expiration times and upon detecting the matched parking spaced spaces exceeding an expiration time utilizing augmented reality upon said user's screen to denote an UNPAID payment status of an image of a matched parking space; and,~~

~~wherein said augmented reality overlays upon a user's screen showing at least one of said plurality of parking spaces the length of said at least one of said plurality of parking spaces centered upon the location of said at least one of said plurality of parking spaces.~~

~~11. (cancelled) The method for representing the parking status of claim 10 further comprising:~~

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~~said augmented reality overlaying in a linear contiguous relationship upon a user's screen showing the lengths of said plurality of parking spaces and each length centered upon the location of each of said plurality of parking spaces.~~

12. (currently amended) A method for representing the parking status of a plurality of parking spaces to a screen of a user's portable electronic device upon a real time camera view, any of said at least one parking space being one of PAID for current payment and UNPAID upon exhaustion of payment, any of a plurality of subscribers ~~subscribes~~ utilizing ~~utilize~~ said method to reserve at least one of the plurality of parking spaces and then to pay for at least one of the plurality of parking spaces, the method comprising:

assembling a database of said plurality of parking spaces, said database including geographic locations of said plurality of parking spaces and time limits applicable to each of said plurality of parking spaces and storing said parking space database upon a computer server;

updating a database of subscribers, said database including a list of parking spaces reserved by each subscriber, a list of parking spaces paid for by each subscriber, a list of the expiration times for each paid for parking space of each subscriber, and storing said subscriber database upon a computer server, and further including enrolling each of said subscribers into a membership plan for parking payment;

calculating a location of said user, said calculating a location of said user adapted to utilize a location finding feature of said user's portable electronic device;

determining upon a computer server a location of one of said plurality of parking spaces by comparing the location of said user to said database of said plurality of parking spaces and selecting one of said plurality of parking spaces within three feet of the position of said user;

comparing upon a computer server the location of one of said plurality of parking spaces with said database of subscribers further comprising comparing upon a computer the location of one of said plurality of parking spaces against

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said list of parking spaces paid for by said subscribers for a match between said location and said list of parking spaces paid for by said subscribers wherein upon detecting a match between said location and said list of parking spaces paid for by said subscriber, comparing the matched parking space to said list of expiration times and further upon detecting the matched parking ~~spaced~~ spaces exceeding an expiration time displaying upon said user's screen an UNPAID payment status indicia upon an image of the matched parking space, wherein the user may execute enforcement measures upon any vehicle in said matched parking space and said payment status is identified as UNPAID;

wherein said method transforms upon a computer location data of said plurality of parking spaces and payment status data of said plurality of parking spaces into indicia of UNPAID parking ~~spaced~~ spaces upon the real time camera view on the screen of a user's device for enforcement.

13. (original) The method for representing the parking status of claim 12 further comprising:

wherein said UNPAID payment status indicia includes the word UNPAID, a colored logo, a circle with a bar or a letter X.

~~14. (cancelled) The method for representing the parking status of claim 13 wherein said UNPAID payment status has a first color indicating UNPAID status for less than fifteen minutes and a second color indicating UNPAID status for more than fifteen minutes.~~

15. (original) The method for representing the parking status of claim 12 wherein said UNPAID payment status indicia includes an audible signal transmitted from a computer server to the user's portable electronic device.

~~16. (cancelled) The method for representing the parking status of claim 12 further comprising:~~

~~said assembling a database upon a computer of said plurality of parking spaces including a location of a center of each of said plurality of parking spaces and a length for each of said plurality of parking spaces; and,~~

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~~displaying said the location and the length of said selected one of said plurality of parking spaces upon a real time camera view of a user's portable electronic device.~~

17. (currently amended) The method for representing the parking status of claim 12 further comprising:

said comparing upon a server the matched parking space to said list of expiration times and upon detecting the matched parking ~~spaced~~ spaces exceeding an expiration time utilizing augmented reality upon said user's screen to denote an UNPAID payment status of an image of a matched parking space.

~~18. (cancelled) The method for representing the parking status of claim 12 further comprising:~~

~~said enrolling of said subscribers providing encryption of financial information related thereto.~~

~~19. (cancelled) The method for representing the parking status of claim 18 further comprising:~~

~~an enrollment of one of said subscribers cooperating with said updating a database upon a computer of subscribers of the subscriber database wherein when a subscriber elects to depart a parking space before the expiration time for the parking space;~~

~~said enrollment permits a subscriber to request a refund of funds remaining when the subscriber elects to depart a parking space before the expiration time for the parking space;~~

~~said enrollment then returns that parking space as available to said database of said plurality of parking spaces parking spaces following the election of the departed subscriber; and,~~

~~wherein said method reduces those empty of said plurality of parking spaces before the expiration time and allows other subscribers to utilize those empty of said plurality of parking spaces.~~

~~20. (cancelled) A method for representing the parking status of a plurality of parking spaces to a screen of a user's portable electronic device upon~~

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a real time camera view, any of said at least one parking space being one of PAID for current payment and UNPAID upon exhaustion of payment, any of a plurality of subscribers subscribes utilizing utilize said method to reserve at least one of the plurality of parking spaces and then to pay for at least one of the plurality of parking spaces, the method comprising:

assembling a database of said plurality of parking spaces, said database including geographic locations of said plurality of parking spaces and time limits applicable to each of said plurality of parking spaces and storing on said parking space database upon a computer server, a location of a center of each of said plurality of parking spaces and a length for each of said plurality of parking spaces, displaying said the location and the length of said selected one of said plurality of parking spaces upon a real time camera view of a user's portable electronic device;

updating a database of subscribers, said database including a list of parking spaces reserved by each subscriber, a list of parking spaces paid for by each subscriber, a list of the expiration times for each paid for parking space of each subscriber, and storing said subscriber database upon a computer server, and further including enrolling each of said subscribers into a membership plan for parking payment, said enrolling of said subscribers providing encryption of financial information related thereto;

calculating a location of said user, said calculating a location of said user adapted to utilize a location finding feature of said user's portable electronic device;

determining upon a computer server a location of one of said plurality of parking spaces by comparing the location of said user to said database of said plurality of parking spaces and selecting one of said plurality of parking spaces within three feet of the position of said user;

comparing upon a computer server the location of one of said plurality of parking spaces with said database of subscribers further comprising comparing upon a computer the location of one of said plurality of parking spaces against

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~~said list of parking spaces paid for by said subscribers for a match between said location and said list of parking spaces paid for by said subscribers wherein upon detecting a match between said location and said list of parking spaces paid for by said subscriber, comparing the matched parking space to said list of expiration times and further upon detecting the matched parking spaced~~ spaces ~~exceeding an expiration time displaying upon said user's screen an UNPAID payment status indicia upon an image of the matched parking space, wherein the user may execute enforcement measures upon any vehicle in said matched parking space and said payment status is identified as UNPAID, said comparing upon a server the matched parking space to said list of expiration times and upon detecting the matched parking spaced~~ spaces ~~exceeding an expiration time utilizing augmented reality upon said user's screen to denote an UNPAID payment status of an image of a matched parking space;~~

~~wherein said UNPAID payment status indicia includes the word UNPAID, a colored logo, a circle with a bar, a letter X, or an audible signal transmitted from a computer server to the user's portable electronic device, said colored logo including a first color indicating UNPAID status for less than fifteen minutes and a second color indicating UNPAID status for more than fifteen minutes;~~

~~an enrollment of one of said subscribers cooperating with said updating of~~ a database upon a computer of subscribers ~~of the subscriber database wherein~~ when ~~a subscriber elects to depart a parking space before the expiration time for the parking space, said enrollment permits a subscriber to request a refund of funds remaining when the subscriber elects to depart a parking space before the expiration time for the parking space, said enrollment then returns that parking space as available to said database of said plurality of parking spaces parking spaces following the election of the departed subscriber, wherein said method reduces those empty of said plurality of parking spaces before the expiration time and allows other subscribers to utilize those empty of said plurality of parking spaces; and,~~

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~~wherein said method transforms upon a computer location data of said plurality of parking spaces and payment status data of said plurality of parking spaces into indicia of UNPAID parking spaced~~ spaces ~~upon the real time camera view on the screen of a user's device for enforcement.~~

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3 discussion about prior art

REMARKS

Previously, the Applicant filed this non-provisional continuation in part application.

First, the Examiner has objected to claims 1, 6, 9,10, 12, 17, 20 for spelling and grammar matters. The Examiner has noted claim 9 line 5 has an objection regarding the word utilize. The Applicant asserts that claim 9 does not have the word utilize but rather this objection goes to claim 12 line 5. The Applicant has amended claims 1, 6, 9,10, 12, 17, 20 to correct the spelling and grammar as suggested.

Second, the Examiner has rejected claims 1, 12, 20, 4, 5, as indefinite under 35 U.S.C. 112 (b) pre-AIA. The Applicant has amended claims 1, 12, 20, 4, 5 to read more definitely.

Third, the Examiner has rejected claims 1-20 as ineligible subject matter under 35 U.S.C. 101. Present invention seeks to solve the problem of a motorist having to view a parking meter in person by providing a real time camera view of the status of a parking space on a user's mobile phone screen showing when the parking space will be available then allowing a user to pay for that available parking space.

The Applicant asserts that its claims provide a way to pay for parking on a mobile phone that has features from multiple sources to solve the problem of physically inspecting a parking meter. These claims have additional features that do not monopolize an abstract idea, DDR *Holdings, LLC v. Hotels.com, L.P, et al.*, 773 F.3d 1245 (Fed. Cir. 2014) [quoting *Alice Corp. v. CLS Bank Int'l*, 134 S. Ct. 2347, 2357 (2014)]. The Applicant asserts that its claims do not entirely preempt alternative means for remote display of parking status, *McRO, Inc. v. Bandai Namco Games Am. Inc.*, 837 F.3d 1299 (Fed. Cir. 2016). Further, claims to software have yet to draw a *per se* ineligibility for patenting, see generally

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Qualtrics, LLC v. Opinionlab, Inc., 2016-1177 (Fed. Cir. 2017)[upholding website feedback collection claims as not unpatentable].

Fourth, the Examiner has rejected claims 1, 3, 6, 8, 9, 12, 13, 15, 17 as obvious under 35 U.S.C. 103 by U.S. Pat. Pub. No. 20120078686 to Bashani and WIPO Pub. No. 2005086098 to Fraier. The Applicant notes a patent application has many pieces. The Applicant reminds the Examiner that an Application Data Sheet, ADS, was file simultaneously with the Information Disclosure Statements in January 2015. The Office did not recognize the ADS during the intervening years. The Applicant has filed a request to correct filing receipt, provided as an appendix. The Applicant asserts that his own previous patent application recited in a priority claim is not prior art against this application. The Applicant asserts that an obviousness rejection ought not include information gleaned only from the Applicant's disclosure, *In re McLaughlin* 443 F.2d 1392, 1395, 170 USPQ 209, 212 (CCPA 1971).

The Examiner has rejected the remaining claims with further combinations of prior art. The Applicant recognizes that claims 1, 3, 6, 8, 9, 12, 13, 15, 17 face only two prior art documents. The Applicant is willing to forego claims 2, 4, 5, 7, 10, 11, 14, 16, 18, 19, 20 so that claims 1, 3, 6, 8, 9, 12, 13, 15, 17 may proceed. Turning to Fraier, the Examiner has selected this reference to counter the select a parking space within three feet feature of the present invention. Fraier describes a RF tag placed in a parking space, p. 31 l. 18. The RF tag marks the parking space for electronic detection, Id. at l. 29. Fraier also suggests two devices work together to share information about a parking space, p. 32 l. 25. The present invention as in claims 1, 12 does not have a tag element and does not require placement of RFID tags in each parking space. The present invention compares the motorist's location with a list of predetermined locations of parking spaces. The Applicant asserts that Fraier's deployed RF tags teaches opposite that of the invention without such tags, thus an inference of non-obviousness of the invention over Fraier has great strength where the prior art teachings undermine the very reason why one of ordinary skill would have combined the

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known elements, *DePuy Spine, Inc. v. Medtronic Sofamor Danek, Inc.*, 90 U.S.P.Q. 2d 1865,1873 (Fed. Cir. 2009). The Applicant asserts that Fraier does not provide an incentive towards a tagless RFID system, MPEP §2141.02 (prior art must be considered in its entirety, including disclosures that teach away from the claims). The Applicant also asserts that a known disadvantage of Fraier, resources to deploy RFID tags, would naturally discourage searching for a tag free parking system which may be used in determining obviousness, *United States v. Adams,* 383 U.S. 39, 52, 148 USPQ 479, 484 (1966).

Respectfully Submitted,



Charles C. McCloskey
Attorney for Applicant
Pat. Off. Reg. No. 46,911
13321 N. Outer 40 Rd. Ste. 100
Town & Country, MO 63017
(636) 527-9962

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Doc Code: MES.GIB
Document Description: Certification of Micro Entity Status (Gross Income Basis)

PTO/SB/15A (09-12)

CERTIFICATION OF MICRO ENTITY STATUS
(GROSS INCOME BASIS)

Application Number or Control Number (if applicable):	Patent Number (if applicable):
First Named Inventor:	**Title of Invention:**
Bashani, Gilad G.	Parking Status System

The applicant hereby certifies the following—

(1) **SMALL ENTITY REQUIREMENT** - The applicant qualifies as a small entity as defined in 37 CFR 1.27.

(2) **APPLICATION FILING LIMIT** - Neither the applicant nor the inventor nor a joint inventor has been named as the inventor or a joint inventor on more than four previously filed U.S. patent applications, excluding provisional applications and international applications under the Patent Cooperation Treaty (PCT) for which the basic national fee under 37 CFR 1.492(a) was not paid, and also excluding patent applications for which the applicant has assigned all ownership rights or is obligated to assign all ownership rights as a result of the applicant's previous employment.

(3) **GROSS INCOME LIMIT ON APPLICANTS AND INVENTORS** - Neither the applicant nor the inventor nor a joint inventor, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986 (26 U.S.C. 61(a)), exceeding the "Maximum Qualifying Gross Income" reported on the USPTO website at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.

(4) **GROSS INCOME LIMIT ON PARTIES WITH AN "OWNERSHIP INTEREST"** - Neither the applicant nor the inventor nor a joint inventor has assigned, granted, or conveyed, nor is under an obligation by contract or law to assign, grant, or convey, a license or other ownership interest in the application concerned to an entity that, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986, exceeding the "Maximum Qualifying Gross Income" reported on the USPTO website at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.

SIGNATURE by a party set forth in 37 CFR 1.33(b)

Signature					
Name	Gilad G. Bashani				
Date	11/26/2014	Telephone	3145677800	Registration No.	n/a

☐ There is more than one inventor and I am one of the inventors who are jointly identified as the applicant. Additional certification form(s) signed by the other joint inventor(s) are included with this form.

Acknowledgement Receipt

The USPTO has received your submission at **13:09:03** Eastern Time on **28-SEP-2017** .

No fees have been paid for this submission. Please remember to pay any required fees on time to prevent abandonment of your application.

eFiled Application Information

EFS ID	30503439
Application Number	14562149
Confirmation Number	2753
Title	PARKING STATUS SYSTEM
First Named Inventor	GILAD G. BASHANI
Customer Number or Correspondence Address	27789
Filed By	Charles McCloskey
Attorney Docket Number	837
Filing Date	05-DEC-2014
Receipt Date	28-SEP-2017
Application Type	Utility under 35 USC 111(a)

Application Details

Sequence	Submitted Files	Page Count	Document Description	File Size	Warnings
1	DN837_Req_filing_receipt_correction.pdf	2	Request for Corrected Filing Receipt	60723 bytes	PASS
No validation errors found.					
2	DN837_E_filing_receipt.pdf	2	Request for Corrected Filing Receipt	89292 bytes	PASS
No validation errors found.					
3	DN837_ADS.pdf	5	Request for Corrected Filing Receipt	97882 bytes	PASS
No validation errors found.					
4	DN391_Dec_POA2_signed.pdf	2	Request for Corrected Filing Receipt	473058 bytes	PASS
No validation errors found.					
5	DN837_response_missing_parts.pdf	2	Request for Corrected Filing Receipt	60875 bytes	PASS
No validation errors found.					

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Bashani, Gilad G.	**GAU: 3628**
SERIAL NO: 14/562149	**EXAMINER: Molnar, Hunter A.**
FILED: 12/05/2014	**St. Louis, Missouri**
FOR: Parking Status System	**Date: 09/28/2017**
	DN: 837

Mail Stop: AIA/AAU/OPAP
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

REQUEST FOR FILING RECEIPT CORRECTION

Sir:

This is in response to the Informational Notice dated Dec. 19, 2014. This response is submitted before any Notice of Allowability has arrived, and no extension fee is due. This is also in follow up to our response of 1/27/15.

Perhaps things are as busy in your office as here. Our response of 1/27/15 had as an appendix an Application Data Sheet claiming priority to the parent application of this application and a declaration also setting forth the priority claim. Priority shown in that Application Data Sheet and that declaration did not appear on the 1/19/14 filing receipt.

On behalf of the Applicant, we hereby request correction of the filing receipt to show the claim to priority. Kindly find provided as appendices:

This request.

E-filing receipt dated 1/27/2015.

Application Data Sheet dated 1/26/2015.

Declaration dated 1/21/2015.

Oracle EX1002, p. 190
Oracle v. Parking WW
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Response dated 1/27/2015.

Kindly update the filing receipt for this application in a timely manner.

Respectfully Submitted,



Charles C. McCloskey
Attorney for Applicant
Pat. Off. Reg. No. 46,911
13321 N. Outer 40 Rd. Ste. 100
Town & Country, MO 63017
(636) 527-9962

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Acknowledgement Receipt

The USPTO has received your submission at **12:46:13** Eastern Time on **27-JAN-2015** .

$ **35** fee paid by e-Filer via *RAM* with Confirmation Number: 10473.

eFiled Application Information

EFS ID	21318547
Application Number	14562149
Confirmation Number	2753
Title	PARKING STATUS SYSTEM
First Named Inventor	GILAD G. BASHANI
Customer Number or Correspondence Address	27789
Filed By	Charles McCloskey
Attorney Docket Number	837
Filing Date	05-DEC-2014
Receipt Date	27-JAN-2015
Application Type	Utility under 35 USC 111(a)

Application Details

Submitted Files	Page Count	Document Description	File Size	Warnings
DN837_response_missing_parts.pdf	2	Applicant Response to Pre-Exam Formalities Notice	60875 bytes	◈ PASS
DN837_ADS.pdf	5	Application Data Sheet	97882 bytes	△ WARNINGS
This is not an USPTO supplied ADS fillable form				
DN837_IDS.pdf	1	Information Disclosure Statement (IDS) Form (SB08)	114512 bytes	△ WARNINGS
This is not an USPTO suppiled IDS fillable form				
DN837_IDS2.pdf	1	Information Disclosure Statement (IDS) Form (SB08)	114650 bytes	△ WARNINGS
This is not an USPTO supplied IDS fillable form				
DN391_micro_signed.pdf	1	Certification of Micro Entity (Gross Income Basis)	1028712 bytes	◈ PASS
fee-info.pdf	2	Fee Worksheet (SB06)	30244 bytes	◈ PASS

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53 (b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

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PTO/AIA/14 (03-13)
roved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1 — Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
Mr.	Gilad	G.	Bashani	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Clayton	State/Province	MO	Country of Residence	US

Mailing Address of Inventor:

Address 1	8331 University Dr.		
Address 2			
City	Clayton	State/Province	MO
Postal Code	63105	Country i	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ An Address is being provided for the correspondence Information of this application.

Customer Number	27789		
Email Address	ccmlaw@socket.net	Add Email	Remove Email

Application Information:

Title of the Invention	PARKING STATUS SYSTEM		
Attorney Docket Number	837	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)		Suggested Figure for Publication (if any)	

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	27789		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation in part of	13245385	2011-09-26
Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
13425385	non provisional of	61386645	2010-09-27

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)[i] the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

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IPR2023-00385

PTO/AIA/14 (03-13)
roved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)

Remove

Additional Foreign Priority Data may be generated within this form by selecting the Add button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

Authorization to Permit Access:

☐ Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date o f filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

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PTO/AIA/14 (03-13)
roved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

○ Assignee ○ Legal Representative under 35 U.S.C. 117 ○ Joint Inventor

○ Person to whom the inventor is obligated to assign. ○ Person who shows sufficient proprietary interest

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :

If the Applicant is an Organization check here. ☐

Prefix	Given Name	Middle Name	Family Name	Suffix

Mailing Address Information For Applicant:

Address 1			
Address 2			
City		**State/Province**	
Country		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Non-Applicant Assignee Information:

Providing assignment information in this section does not subsitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section only if non-applicant assignee information is desired to be included on the patent application publication in accordance with 37 CFR 1.215(b). Do not include in this section an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest), as the patent application publication will include the name of the applicant(s).

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Oracle v. Parking WW
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PTO/AIA/14 (03-13)
roved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

If the Assignee is an Organization check here. ☐

Prefix	Given Name	Middle Name	Family Name	Suffix

Mailing Address Information For Non-Applicant Assignee:

Address 1			
Address 2			
City		State/Province	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee Data may be generated within this form by selecting the Add button.

Signature:

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Signature	/ggbby ccm/			Date (YYYY-MM-DD)	2015-01-26
First Name	Charles	Last Name	McCloskey	Registration Number	46911

Additional Signature may be generated within this form by selecting the Add button.

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter of Parking Status System which is the specification which

(check one) ____x____ is attached hereto.
_____ was filed on _____ as
Application Serial No._____
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

**I hereby state that the above-identified application was authorized to be made by the undersigned inventor executing this declaration.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed: N/A.

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below: N/A

61/386,645	Sep. 27, 2010
Application Number	Filing Date

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United

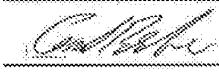
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Oracle v. Parking WW
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States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

13/245385	Sep. 26, 2011
Application Number	Filing Date

I do hereby appoint Charles C. McCloskey, Patent Office registration No. 46,911, with offices at 13321 N. Outer 40 Rd. Ste. 100, Town & Country, MO 63017, Tel. No. (636) 527-9962, as my attorney and agent with full power of substitution and revocation, to prosecute the application above set forth, and to transact all business in the United States Patent and Trademark Office in connection therewith.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole inventor:	Gilad G. Bashani
Inventor's signature:	
Date:	1-21-2015
Residence:	City of Clayton State of Missouri
Citizenship:	U.S.A.
Post Office Address:	8331 University Dr. Clayton, MO 63105 U.S.A.

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Oracle v. Parking WW
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Bashani, Gilad G.	**GAU: OIPE**
SERIAL NO: 14/562149	**EXAMINER: OIPE**
FILED: 12/05/2014	**St. Louis, Missouri**
FOR: Parking Status System	**Date: 01/27/2015**
	DN: 837

Mail Stop: OIPE
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

RESPONSE TO INFORMATIONAL NOTICE

Sir:

This is in response to the Informational Notice dated Dec. 19, 2014. The Notice did not identify a response period. This response is submitted before any Notice of Allowability has arrived, and no extension fee is due.

The Notice identified the declaration as filed omitted a sentence about authorizing the making of this Application. Kindly find attached as an appendix, a declaration including such a sentence. As this declaration is submitted after filing, a surcharge of $35 is provided.

The filing receipt dated Dec. 19, 2014 noted a claim to domestic priority must appear in an Application Data Sheet besides in the declaration. Kindly find attached as an appendix an Application Data Sheet claiming priority to the parent application of this application as set forth in the declaration.

Also provided in this response are two Information Disclosure Statements.

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Oracle v. Parking WW
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The Applicant believes the specification, claims, and drawings as filed and the latest declaration and Application Data Sheet put this application in condition for further processing towards examination and then allowance.

Respectfully Submitted,



Charles C. McCloskey
Attorney for Applicant
Pat. Off. Reg. No. 46,911
13321 N. Outer 40 Rd. Ste. 100
Town & Country, MO 63017
(636) 527-9962

Oracle EX1002, p. 201
Oracle v. Parking WW
IPR2023-00385

Electronic Patent Application Fee Transmittal

Application Number:	14562149
Filing Date:	05-Dec-2014
Title of Invention:	PARKING STATUS SYSTEM
First Named Inventor/Applicant Name:	GILAD G. BASHANI
Filer:	Charles McCloskey
Attorney Docket Number:	837

Filed as Micro Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 1 month with $0 paid	3251	1	50	50
Miscellaneous:				
			Total in USD ($)	**50**

Electronic Acknowledgement Receipt

EFS ID:	30526050
Application Number:	14562149
International Application Number:	
Confirmation Number:	2753
Title of Invention:	PARKING STATUS SYSTEM
First Named Inventor/Applicant Name:	GILAD G. BASHANI
Customer Number:	27789
Filer:	Charles McCloskey
Filer Authorized By:	
Attorney Docket Number:	837
Receipt Date:	29-SEP-2017
Filing Date:	05-DEC-2014
Time Stamp:	16:55:07
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$50
RAM confirmation Number	100217INTEFSW16564300
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	First Action Interview - Schedule Interview request	DN837_PTOL413A.pdf	184564 2ffecf4284177a65bdd1314925ff8e57b5aba d8b	no	1
Warnings:					
Information:					
2	Reply under 1.111 to Pre-Interview Communication	DN837_Int_Rev_Proposed_Amend.pdf	113133 fc27dc4545af8cddc0c57f690a84898a436c176c	no	14
Warnings:					
Information:					
3	Certification of Micro Entity (Gross Income Basis)	DN391_micro_signed.pdf	1028712 0778dd06736df6fbc12d89f94e1bc0e0305a18fa	no	1
Warnings:					
Information:					
4	Miscellaneous Incoming Letter	DN837_appendix_req_cor_filing_receipt_ADS.pdf	702769 b430e4a5de3c3a661a0ca863741cf4cfd2296299	no	13
Warnings:					
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	30611 816fbac6f103d1e4b81225fe5553c247d844dbfb	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	2059789		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Bashani, Gilad G.	**GAU: 3628**
SERIAL NO: 14/562149	**EXAMINER: Molnar, Hunter A.**
FILED: 12/05/2014	**St. Louis, Missouri**
FOR: Parking Status System	**Date: 10/24/2017** **DN: 837**

Commissioner for Patents
MS-Petitions
P.O. Box 1450
Alexandria, Virginia 22313-1450

PETITION TO ACCEPT AN UNINTENTIONALLY DELAYED CLAIM TO PRIORITY UNDER 35 U.S.C. §§120, 119(e), 111(c) FOR THE BENEFIT OF A PRIOR-FILED NON-PROVISIONAL APPLICATION PURSUANT TO 37 CFR §§ 1.78(a), (c)

Sir:

This Petition requests acceptance of an unintentionally delayed claim to priority for this pending non-provisional application, Ser. No. 14/562149 that claimed priority to a pending non-provisional application, Ser. No. 13/245,385 that claimed priority to an expired provisional application, Ser. No. 61/386,645. This petition for acceptance of an unintentionally delayed claim to priority is filed pursuant to 35 U.S.C. §§120, 119(e), 111(c) and 37 CFR §§ 1.78(a), (c) and a fee of $850 is submitted with this Petition.

The Applicant provides the following claim to priority pursuant to 35 U.S.C. §§120, 119(e), 111(c) and 37 CFR §§ 1.76, 1.78(a), (c):

This non-provisional patent application claims priority to the pending non-provisional application 13/245,385 filed on 09/26/2011 which claims priority to the expired provisional application 61/386,645 filed on 09/27/2010 and all are commonly owned by the same inventor.

The Declaration for this non-provisional patent application is provided as Exhibit A and the Application Data Sheet of Jan. 2015 is provided as Exhibit B.

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The Response to Information Notice is provided as Exhibit C. The acknowledgement receipt for the 2015 ADS and Response is provided as Exhibit D and the acknowledgement receipt for the 2015 ADS resubmitted in 2017 is provided as Exhibit E.

The entire delay between the date the benefit claim was due under paragraph (a)(4) of this section and the date the benefit claim was filed, including the filing of a grantable petition under 37 CFR 1.78(a), (c), was unintentional. An amended Application Data Sheet is provided as an appendix.

On 12/05/2014, the Applicant filed a Continuation in Part application as this non-provisional application. The application included a Cross Reference to Related Application section. The application also included a Declaration with a priority claim, see Exhibit A. The Applicant received a Filing Receipt see Exhibit C, noting a new Application Data Sheet, or "2015 ADS," see Exhibit B. The Office acknowledged receipt of the Response and the 2015 ADS, see Exhibit D. The Office sent no further communication until the Publication Notice of 06/2016. Over the summer of 2017, counsel for Applicant learned that Application Assistance Unit of the America Invents Act desk serves as a liaison to a contractor performing inspection of application parts as a component of the Office of Data Management, Office of Patent Application Processing. Applicant resubmitted the 2015 ADS as a Request for Filing Receipt Correction as suggested by Application Assistance Unit. The Office acknowledged receipt of this Request and the 2015 ADS resubmitted, see Exhibit E.

Office of Data Management denied this Request on 9/29/2017 as being untimely and informal. Upon discussion with Application Assistance Unit, call reference 1-534599840, this petition was suggested along with a call to Legal. Following calls to Legal and the Petitions Office, the decision to proceed with this petition was confirmed.

First, the Applicant respectfully disagrees that the Request was untimely. As mentioned to the Office in the 01/2015 Response, see Exhibits C, D, the Applicant sought amendment of the application to verify the priority claim

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provided in the Declaration, see Exhibit A. The Applicant notes an Application Data Sheet may be submitted before payment of the issue fee, 37 CFR 1.76(c). The Applicant also notes a claim to priority may be submitted during the pendency of the child application, see 37 CFR 1.78(d)(2). Further, the Applicant notes the Application Data Sheet 2015 was submitted within four months of the parent application and was timely then, see 37 CFR 1.78(d)(3). The Applicant respectfully requests granting of this petition to enter an unintentionally delayed claim to priority.

Second, the Applicant respectfully disagrees that the Request was informal. Application Assistance Unit, during call reference 1-534599840, noticed that the filing receipt included the inventor's name and city thus the declaration and 2015 ADS were inspected and the priority claim went overlooked. Following the acknowledgement receipt of the Response and the 2015 ADS, see Exhibit D, the Office sent no further communication until the Publication Notice of 06/2016. The Office provided no notice of a defect in the 2015 ADS. The declaration included a priority claim, see Exhibit A. The 2015 ADS had no prior ADS to amend and thus no markings. Because the 2015 ADS confirmed the priority claim of the declaration, no need existed to mark up the ADS. Over this summer 2017, Legal suggested a document filed in EFS must show a document code to trigger review by the appropriate department in the Office. The 2015 ADS had the document code "application part" because an ADS is such a part. Doubt remains when the Office did not review the priority claim of the 2015 ADS and declaration but did find the inventor name and state from those documents.

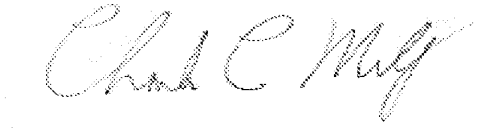
The Applicant requests a refund of the fee for a petition to accept an unintentionally delayed claim to priority because the Office overlooked a priority claim in the declaration, the application text, 2015 ADS, the Office sending no notice of defect in the 2015 ADS, and the Office overlooked a priority claim in the resubmitted 2015 ADS again in 2017. The undersigned understands that any refund of a fee paid by credit card will be by a credit to the credit card account to which the fee was charged.

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The undersigned, being hereby warned that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001, and that such willful false statements and the like may jeopardize the validity of this document, declares that he is properly authorized to execute this document on behalf of the Applicant, and all statements made of his own knowledge are true and that all statements made on information and belief are believed to be true.

The undersigned attorney as Petitioner, on behalf of the Applicant, herein requests granting by the Office of this Petition to accept an unintentionally delayed claim to priority for a pending non-provisional application.

Respectfully Submitted,



Charles C. McCloskey
Attorney
Pat. Off. Reg. No. 46,911
13321 N. Outer 40 Rd. Ste. 100
Town & Country, MO 63017
(636) 527-9962

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter of Parking Status System which is the specification which

(check one) ____x_____ is attached hereto.
_____ was filed on _____ as
Application Serial No._____
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

**I hereby state that the above-identified application was authorized to be made by the undersigned inventor executing this declaration.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed: N/A.

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below: N/A

61/386,645	Sep. 27, 2010
Application Number	Filing Date

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United

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States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

13/245385	Sep. 26, 2011
Application Number	Filing Date

I do hereby appoint Charles C. McCloskey, Patent Office registration No. 46,911, with offices at 13321 N. Outer 40 Rd. Ste. 100, Town & Country, MO 63017, Tel. No. (636) 527-9962, as my attorney and agent with full power of substitution and revocation, to prosecute the application above set forth, and to transact all business in the United States Patent and Trademark Office in connection therewith.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole inventor:	Gilad G. Bashani
Inventor's signature:	
Date:	1-21-2015
Residence:	City of Clayton State of Missouri
Citizenship:	U.S.A.
Post Office Address:	8331 University Dr. Clayton, MO 63105 U.S.A.

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PTO/AIA/14 (03-13)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
Mr.	Gilad	G.	Bashani	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Clayton	State/Province	MO	Country of Residence	US

Mailing Address of Inventor:

Address 1	8331 University Dr.		
Address 2			
City	Clayton	State/Province	MO
Postal Code	63105	Country	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	27789		
Email Address	ccmlaw@socket.net	Add Email	Remove Email

Application Information:

Title of the Invention	PARKING STATUS SYSTEM		
Attorney Docket Number	837	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)		Suggested Figure for Publication (if any)	

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PTO/AIA/14 (03-13)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

Publication Information:

☐	Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐	**Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	27789		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation in part of	13245385	2011-09-26
Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
13425385	non provisional of	61386645	2010-09-27

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)[1] the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Remove Access Code[i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

Authorization to Permit Access:

☐ Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date o f filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

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PTO/AIA/14 (03-13)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◯ Assignee	◯ Legal Representative under 35 U.S.C. 117	◯ Joint Inventor
◯ Person to whom the inventor is obligated to assign.	◯ Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :

If the Applicant is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Applicant:

Address 1			
Address 2			
City		**State/Province**	
Country		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Non-Applicant Assignee Information:

Providing assignment information in this section does not subsitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section only if non-applicant assignee information is desired to be included on the patent application publication in accordance with 37 CFR 1.215(b). Do not include in this section an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest), as the patent application publication will include the name of the applicant(s).

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Oracle v. Parking WW
IPR2023-00385

PTO/AIA/14 (03-13)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

If the Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Non-Applicant Assignee:

Address 1	
Address 2	

City		**State/Province**	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee Data may be generated within this form by selecting the Add button.

Signature:

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Signature	/ggbby ccm/			Date (YYYY-MM-DD)	2015-01-26
First Name	Charles	Last Name	McCloskey	Registration Number	46911

Additional Signature may be generated within this form by selecting the Add button.

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Oracle v. Parking WW
IPR2023-00385

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Bashani, Gilad G.	**GAU: OIPE**
SERIAL NO: 14/562149	**EXAMINER: OIPE**
FILED: 12/05/2014	**St. Louis, Missouri**
FOR: Parking Status System	**Date: 01/27/2015**
	DN: 837

Mail Stop: OIPE
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

RESPONSE TO INFORMATIONAL NOTICE

Sir:

This is in response to the Informational Notice dated Dec. 19, 2014. The Notice did not identify a response period. This response is submitted before any Notice of Allowability has arrived, and no extension fee is due.

The Notice identified the declaration as filed omitted a sentence about authorizing the making of this Application. Kindly find attached as an appendix, a declaration including such a sentence. As this declaration is submitted after filing, a surcharge of $35 is provided.

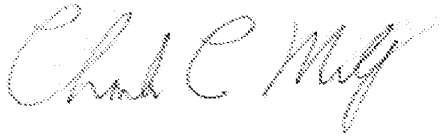
The filing receipt dated Dec. 19, 2014 noted a claim to domestic priority must appear in an Application Data Sheet besides in the declaration. Kindly find attached as an appendix an Application Data Sheet claiming priority to the parent application of this application as set forth in the declaration.

Also provided in this response are two Information Disclosure Statements.

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Oracle v. Parking WW
IPR2023-00385

The Applicant believes the specification, claims, and drawings as filed and the latest declaration and Application Data Sheet put this application in condition for further processing towards examination and then allowance.

Respectfully Submitted,



Charles C. McCloskey
Attorney for Applicant
Pat. Off. Reg. No. 46,911
13321 N. Outer 40 Rd. Ste. 100
Town & Country, MO 63017
(636) 527-9962

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Acknowledgement Receipt

The USPTO has received your submission at **13:09:03** Eastern Time on **28-SEP-2017** .

No fees have been paid for this submission. Please remember to pay any required fees on time to prevent abandonment of your application.

eFiled Application Information

EFS ID	30503439
Application Number	14562149
Confirmation Number	2753
Title	PARKING STATUS SYSTEM
First Named Inventor	GILAD G. BASHANI
Customer Number or Correspondence Address	27789
Filed By	Charles McCloskey
Attorney Docket Number	837
Filing Date	05-DEC-2014
Receipt Date	28-SEP-2017
Application Type	Utility under 35 USC 111(a)

Application Details

Sequence	Submitted Files	Page Count	Document Description	File Size	Warnings
1	DN837_Req_filing_receipt_correction.pdf	2	Request for Corrected Filing Receipt	60723 bytes	PASS
No validation errors found.					
2	DN837_E_filing_receipt.pdf	2	Request for Corrected Filing Receipt	89292 bytes	PASS
No validation errors found.					
3	DN837_ADS.pdf	5	Request for Corrected Filing Receipt	97882 bytes	PASS
No validation errors found.					
4	DN391_Dec_POA2_signed.pdf	2	Request for Corrected Filing Receipt	473058 bytes	PASS
No validation errors found.					
5	DN837_response_missing_parts.pdf	2	Request for Corrected Filing Receipt	60875 bytes	PASS
No validation errors found.					

Oracle EX1002, p. 220
Oracle v. Parking WW
IPR2023-00385

Acknowledgement Receipt

The USPTO has received your submission at **12:46:13** Eastern Time on **27-JAN-2015** .

$ **35** fee paid by e-Filer via *RAM* with Confirmation Number: 10473.

eFiled Application Information

EFS ID	21318547
Application Number	14562149
Confirmation Number	2753
Title	PARKING STATUS SYSTEM
First Named Inventor	GILAD G. BASHANI
Customer Number or Correspondence Address	27789
Filed By	Charles McCloskey
Attorney Docket Number	837
Filing Date	05-DEC-2014
Receipt Date	27-JAN-2015
Application Type	Utility under 35 USC 111(a)

Application Details

Submitted Files	Page Count	Document Description	File Size	Warnings
DN837_response_missing_parts.pdf	2	Applicant Response to Pre-Exam Formalities Notice	60875 bytes	PASS
DN837_ADS.pdf	5	Application Data Sheet	97882 bytes	WARNINGS
This is not an USPTO supplied ADS fillable form				
DN837_IDS.pdf	1	Information Disclosure Statement (IDS) Form (SB08)	114512 bytes	WARNINGS
This is not an USPTO supplied IDS fillable form				
DN837_IDS2.pdf	1	Information Disclosure Statement (IDS) Form (SB08)	114650 bytes	WARNINGS
This is not an USPTO supplied IDS fillable form				
DN391_micro_signed.pdf	1	Certification of Micro Entity (Gross Income Basis)	1028712 bytes	PASS
fee-info.pdf	2	Fee Worksheet (SB06)	30244 bytes	PASS

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53 (b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

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IPR2023-00385

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

If you need help:

- *To ask questions about Patent e-Filing, or to suggest improvements to the online system, or report technical problems, please call the Patent Electronic Business Center at (866) 217-9197 (toll free) or send email to EBC@uspto.gov.*
- *Send general questions about USPTO programs to the USPTO Contact Center (UCC) .*
- *For general questions regarding a petition, or requirements for filing a petition, contact the Office of Petitions Help Desk at 1 800-786-9199.*

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Oracle v. Parking WW
IPR2023-00385

AMENDED ADS 10/29/17

PTO/AIA/14 (03-13)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1 — Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
Mr.	Gilad	G.	Bashani	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Clayton	State/Province	MO	Country of Residence	US

Mailing Address of Inventor:

Address 1	8331 University Dr.		
Address 2			
City	Clayton	State/Province	MO
Postal Code	63105	Country i	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ An Address is being provided for the correspondence Information of this application.

Customer Number	27789		
Email Address	ccmlaw@socket.net	Add Email	Remove Email

Application Information:

Title of the Invention	PARKING STATUS SYSTEM		
Attorney Docket Number	837	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)		Suggested Figure for Publication (if any)	

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Oracle v. Parking WW
IPR2023-00385

PTO/AIA/14 (03-13)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

Publication Information:

☐	Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐	**Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	27789		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation in part of	13245385	2011-09-26
Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
13425385	non provisional of	61386645	2010-09-27

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)[1] the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

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PTO/AIA/14 (03-13)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)

Remove

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

Authorization to Permit Access:

☐ Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date o f filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

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Oracle v. Parking WW
IPR2023-00385

PTO/AIA/14 (03-13)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	637
	Application Number	
Title of Invention	PARKING STATUS SYSTEM	

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◯ Assignee ◯ Legal Representative under 35 U.S.C. 117 ◯ Joint Inventor

◯ Person to whom the inventor is obligated to assign. ◯ Person who shows sufficient proprietary interest

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :

If the Applicant is an Organization check here. ☐

Prefix	Given Name	Middle Name	Family Name	Suffix

Mailing Address Information For Applicant:

Address 1			
Address 2			
City		State/Province	
Country		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Non-Applicant Assignee Information:

Providing assignment information in this section does not subsitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section only if non-applicant assignee information is desired to be included on the patent application publication in accordance with 37 CFR 1.215(b). Do not include in this section an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest), as the patent application publication will include the name of the applicant(s).

PTO/AIA/14 (03-13)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	

Title of Invention	PARKING STATUS SYSTEM

If the Assignee is an Organization check here. ☐

Prefix	Given Name	Middle Name	Family Name	Suffix

Mailing Address Information For Non-Applicant Assignee:

Address 1	
Address 2	

City		State/Province	
Country[i]		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee Data may be generated within this form by selecting the Add button.

Signature:

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Signature	/ggbby ccm/			Date (YYYY-MM-DD)	2015-01-26
First Name	Charles	Last Name	McCloskey	Registration Number	46911

Additional Signature may be generated within this form by selecting the Add button.

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Doc Code: MES.GIB
Document Description: Certification of Micro Entity Status (Gross Income Basis)

PTO/SB/15A (09-12)

CERTIFICATION OF MICRO ENTITY STATUS
(GROSS INCOME BASIS)

Application Number or Control Number (if applicable):	Patent Number (if applicable):
First Named Inventor:	**Title of Invention:**
Bashani, Gilad G.	Parking Status System

The applicant hereby certifies the following—

(1) **SMALL ENTITY REQUIREMENT** - The applicant qualifies as a small entity as defined in 37 CFR 1.27.

(2) **APPLICATION FILING LIMIT** - Neither the applicant nor the inventor nor a joint inventor has been named as the inventor or a joint inventor on more than four previously filed U.S. patent applications, excluding provisional applications and international applications under the Patent Cooperation Treaty (PCT) for which the basic national fee under 37 CFR 1.492(a) was not paid, and also excluding patent applications for which the applicant has assigned all ownership rights or is obligated to assign all ownership rights as a result of the applicant's previous employment.

(3) **GROSS INCOME LIMIT ON APPLICANTS AND INVENTORS** - Neither the applicant nor the inventor nor a joint inventor, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986 (26 U.S.C. 61(a)), exceeding the "Maximum Qualifying Gross Income" reported on the USPTO website at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.

(4) **GROSS INCOME LIMIT ON PARTIES WITH AN "OWNERSHIP INTEREST"** - Neither the applicant nor the inventor nor a joint inventor has assigned, granted, or conveyed, nor is under an obligation by contract or law to assign, grant, or convey, a license or other ownership interest in the application concerned to an entity that, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986, exceeding the "Maximum Qualifying Gross Income" reported on the USPTO website at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.

SIGNATURE by a party set forth in 37 CFR 1.33(b)

Signature					
Name	Gilad G. Bashani				
Date	11/26/2014	Telephone	3145677800	Registration No.	n/a

☐ There is more than one inventor and I am one of the inventors who are jointly identified as the applicant. Additional certification form(s) signed by the other joint inventor(s) are included with this form.

Electronic Patent Application Fee Transmittal

Application Number:	14562149
Filing Date:	05-Dec-2014
Title of Invention:	PARKING STATUS SYSTEM
First Named Inventor/Applicant Name:	GILAD G. BASHANI
Filer:	Charles McCloskey
Attorney Docket Number:	837

Filed as Micro Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
PET. DELAY SUB OR RESTORE PRIORITY-CLAIM	3454	1	850	850
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**850**

Electronic Acknowledgement Receipt	
EFS ID:	30740916
Application Number:	14562149
International Application Number:	
Confirmation Number:	2753
Title of Invention:	PARKING STATUS SYSTEM
First Named Inventor/Applicant Name:	GILAD G. BASHANI
Customer Number:	27789
Filer:	Charles McCloskey
Filer Authorized By:	
Attorney Docket Number:	837
Receipt Date:	24-OCT-2017
Filing Date:	05-DEC-2014
Time Stamp:	12:21:46
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$850
RAM confirmation Number	102417INTEFSW12231200
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Petition for review by the Office of Petitions	DN837_Petition_to_Correct_Priority.pdf	66006 97b90ed2d70b31756fa4001d1116d3e89129b46d	no	4
Warnings:					
Information:					
2	Petition for review by the Office of Petitions	Exhibit_A_Dec_POA2_signed.pdf	473058 eaeecd06dcee5b7d2461cc0e8fae681dfe1015e2	no	2
Warnings:					
Information:					
3	Petition for review by the Office of Petitions	Exhibit_B_ADS.pdf	97882 28db7dbc0ea2fc81196b98a79ddc3ff14ee93fb8	no	5
Warnings:					
Information:					
4	Petition for review by the Office of Petitions	Exhibit_C_response_missing_parts.pdf	60875 cc34ca859a3dc7f57f4ef8ddf709b775ae2787f9	no	2
Warnings:					
Information:					
5	Petition for review by the Office of Petitions	Exhibit_D_e_filing_receipt_2015.pdf	89292 41957d85f066ce4178f2b2606d72061b0ee76336	no	2
Warnings:					
Information:					
6	Petition for review by the Office of Petitions	Exhibit_E_e_filing_receipt_2017.pdf	46319 f562a3f883bda092c83fbea29bd555fb84ab2a23	no	1
Warnings:					
Information:					

7	Petition for review by the Office of Petitions	DN837_amended_ADS.pdf	410690 6889d0e13af685c2519953863f157143e16c38d	no	5
Warnings:					
Information:					
8	Certification of Micro Entity (Gross Income Basis)	DN391_micro_signed.pdf	1028712 0778dd06736df6fbc12d89f94e1bc0e0305a18fa	no	1
Warnings:					
Information:					
9	Fee Worksheet (SB06)	fee-info.pdf	30270 23609a72138179273c97864f84905455319191927	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	2303104		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Document Description: Application Data Sheet to update/correct info
Doc Code: ADS.CORR

CORRECTED ADS FORM

Application Number	14562149
Title of Invention	PARKING STATUS SYSTEM

Inventor Information

****If no data is shown, no data has been corrected****

	Data of Record	Updated Data
Order Number		
Name		
Residence Information		
Residency		
City		
State		
Country of Residence		
Mailing Address of Inventor		
Address 1		
Address 2		
City,State/Province, Postal Code		
Country		

Corrected ADS 1.0

Document Description: Application Data Sheet to update/correct info
Doc Code: ADS.CORR

Application Information

	Data of Record	Updated Data
Title of Invention	PARKING STATUS SYSTEM	
Attorney Docket Number	837	
Entity Type	Small	

Domestic Benefit/National Stage Information

****If no data is shown, no data has been corrected****

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121,365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S. C. 119(e) or 120, and 37 CFR 1.78(a).

		Data of Record	Updated Data
	Prior Application Status		pending
	Application Number		99999999
	Continuity Type		CIP
	Prior Application Number		13245385
	Filing Date (YYYY-MM-DD)		2011-09-26
	Patent Number		
	Issue Date (YYYY-MM-DD)		

Oracle EX1002, p. 235
Oracle v. Parking WW
IPR2023-00385

Document Description: Application Data Sheet to update/correct info
Doc Code: ADS.CORR

		Data of Record	Updated Data
	Prior Application Status		pending
	Application Number		13245385
	Continuity Type		PRO
	Prior Application Number		61386645
	Filing Date (YYYY-MM-DD)		2010-09-27
	Patent Number		
	Issue Date (YYYY-MM-DD)		

Foreign Priority Information

****If no data is shown, no data has been corrected****

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

		Data of Record	Updated Data
	Application Number		
	Country		
	Filing Date		
	Access Code		

Applicant Information

****If no data is shown, no data has been corrected****
Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

	Data of Record	Updated Data
Applicant Type		

Corrected ADS 1.0

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is		
Name of the Deceased or Legally Incapacitated Inventor		
Applicant is an Organization		
Name		
Organization Name		
Address 1		
Address 2		
City,State/Province,Postal Code		
Country		
Phone Number		
Fax Number		
Email Address		

Assignee Information including Non-Applicant Assignee Information

****If no data is shown, no data has been corrected****
Providing this information in the application data sheet does not substitute for compliance with any requirement of part 3 of Title 37 of the CFR to have an assignment recorded in the Office

	Data of Record	Updated Data
Order		
Applicant is an Organization		
Name		

Oracle EX1002, p. 237
Oracle v. Parking WW
IPR2023-00385

Organization Name		

Mailing Address

Address 1		
Address 2		
City,State/Province,Postal Code		
Country		
Phone Number		
Fax Number		
Email Address		

Signature

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b).

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/GGBbyCCM/	Registration Number	46911
First Name	Charles	Last Name	McCloskey

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Oracle v. Parking WW
IPR2023-00385

Electronic Acknowledgement Receipt

EFS ID:	30741061
Application Number:	14562149
International Application Number:	
Confirmation Number:	2753
Title of Invention:	PARKING STATUS SYSTEM
First Named Inventor/Applicant Name:	
Customer Number:	27789
Filer:	Charles McCloskey
Filer Authorized By:	
Attorney Docket Number:	837
Receipt Date:	24-OCT-2017
Filing Date:	05-DEC-2014
Time Stamp:	12:29:30
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet to update/ correct info	CorrectedADS.pdf	70271 9c3ef4f73bdaeca06cd5212f57d4d3ee9386ca38	no	5

Warnings:

Information:	
Total Files Size (in bytes):	70271

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/562,149	12/05/2014	GILAD G. BASHANI	837

CONFIRMATION NO. 2753

IMPROPER CFR REQUEST

27789
CHARLES C. MCCLOSKEY
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OC000000095014835

Date Mailed: 10/25/2017

RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT

Continuity, Priority Claims, Petitions, and Non-Publication Requests

In response to your request for a corrected Filing Receipt, the Office is unable to comply with your request because:

- The priority or continuity claim has not been entered because it was not filed during the required time period. Applicant may wish to consider filing a petition to accept an unintentionally delayed claim for priority. See 37 CFR 1.55 or 1.78.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/rmohamed/

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IPR2023-00385

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Bashani, Gilad G.	**GAU: 3628**
SERIAL NO: 14/562149	**EXAMINER: Molnar, Hunter A.**
FILED: 12/05/2014	**St. Louis, Missouri**
FOR: Parking Status System	**Date: 10/31/2017**
	DN: 837

Mail Stop: Amendment
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

SUPPLEMENTAL AMENDMENT

Sir:

This is in response to the First Action Interview Pilot Program Pre-Interview Communication dated 08/03/17 and Interview of 10/27/17. Because this Supplemental Amendment is submitted within the agreed upon time limit, no extension fee is due.

Remarks begin on page 6.

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CLAIMS

Please amend the claims as follows:

1. (currently amended) A method for representing the parking status of a plurality of parking spaces to a screen of a user's portable electronic device upon a real time camera view, any of said at least one parking space being one of PAID for current payment and UNPAID upon exhaustion of payment, any of a plurality of subscribers ~~subscribes~~ utilizing ~~utilize~~ said method to reserve at least one of the plurality of parking spaces and then to pay for at least one of the plurality of parking spaces, the method comprising:

assembling a database upon a computer of said plurality of parking spaces, said database including geographic locations of said plurality of parking spaces and time limits applicable to each of said plurality of parking spaces;

updating a database upon a computer of subscribers, said database including a list of parking spaces reserved by each subscriber, a list of parking spaces paid for by each subscriber, and a list of the expiration times for each paid for parking space of each subscriber;

calculating a location of said user, said calculating a location of said user adapted to utilize a location finding feature of said user's portable electronic device;

determining upon a computer a location of one of said plurality of parking spaces by comparing the location of said user to said database of said plurality of parking spaces and selecting one of said plurality of parking spaces within eight to ten ~~three~~ feet of the position of said user;

comparing upon a computer the location of one of said plurality of parking spaces with said database of subscribers further comprising comparing upon a computer the location of one of said plurality of parking spaces against said list of parking spaces paid for by said subscribers for a match between said location and said list of parking spaces paid for by said subscribers;

upon detecting a match between said location and said list of parking spaces paid for by said subscribers, comparing the matched parking spaces to

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said list of expiration times and upon detecting the matched parking ~~spaced~~ spaces exceeding an expiration time displaying upon said user's screen an UNPAID payment indicia ~~status~~ upon an image of the matched parking space, wherein the user may execute enforcement measures upon any vehicle in said matched parking space ~~wherein said payment status is identified as~~ showing said UNPAID indicia;

wherein said method transforms upon a computer location data of said plurality of parking spaces and payment status data of said plurality of parking spaces into indicia of UNPAID parking ~~spaced~~ spaces;

said comparing the matched parking space to said list of expiration times and upon detecting the matched parking space exceeding an expiration time and said method places said indicia of UNPAID on an image of a matched parking space upon the real time camera view on the screen of a user's device for enforcement.

2. (cancelled)

3. (original) The method for representing the parking status of claim 1 further comprising:

opening an account for each of said subscribers wherein said account permits each of said subscribers to reserve at least one of said plurality of parking spaces and permits each of said subscribers to pay for at least one of said plurality of parking spaces utilizing means of electronic payment.

4-5. (cancelled)

6. (currently amended) The method for representing the parking status of claim 1 further comprising:

said indicia of UNPAID ~~payment status including indicia overlaid~~ overlaying upon said user's screen one of ~~said indicia including~~ the word UNPAID, a colored logo, a circle with a bar, and ~~or~~ a letter X.

7. (cancelled)

8. (currently amended) The method for representing the parking status of claim 1 further comprising:

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said indicia of UNPAID ~~payment status~~ including an audible recitation.

9-11. (cancelled)

12. (currently amended) A method for representing the parking status of a plurality of parking spaces to a screen of a user's portable electronic device upon a real time camera view, any of said at least one parking space being one of PAID for current payment and UNPAID upon exhaustion of payment, any of a plurality of subscribers ~~subscribes~~ utilizing ~~utilize~~ said method to reserve at least one of the plurality of parking spaces and then to pay for at least one of the plurality of parking spaces, the method comprising:

assembling a database of said plurality of parking spaces, said database including geographic locations of said plurality of parking spaces and time limits applicable to each of said plurality of parking spaces and storing said parking space database upon a computer server;

updating a database of subscribers, said database including a list of parking spaces reserved by each subscriber, a list of parking spaces paid for by each subscriber, a list of the expiration times for each paid for parking space of each subscriber, and storing said subscriber database upon a computer server, and further including enrolling each of said subscribers into a membership plan for parking payment;

calculating a location of said user, said calculating a location of said user adapted to utilize a location finding feature of said user's portable electronic device;

determining upon a computer server a location of one of said plurality of parking spaces by comparing the location of said user to said database of said plurality of parking spaces and selecting one of said plurality of parking spaces within eight to ten ~~three~~ feet of the position of said user;

comparing upon a computer server the location of one of said plurality of parking spaces with said database of subscribers further comprising comparing upon a computer the location of one of said plurality of parking spaces against said list of parking spaces paid for by said subscribers for a match between said

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location and said list of parking spaces paid for by said subscribers wherein upon detecting a match between said location and said list of parking spaces paid for by said subscriber, comparing the matched parking space to said list of expiration times and further upon detecting the matched parking ~~spaced~~ spaces exceeding an expiration time displaying upon said user's screen an UNPAID ~~payment status~~ indicia upon an image of the matched parking space, wherein the user may execute enforcement measures upon any vehicle in said matched parking space ~~and said payment status is identified as~~ showing said UNPAID indicia;

wherein said method transforms upon a computer location data of said plurality of parking spaces and payment status data of said plurality of parking spaces into indicia of UNPAID parking ~~spaced~~ spaces;

said comparing the matched parking space to said list of expiration times and upon detecting the matched parking space exceeding an expiration time and said method places said indicia of UNPAID on an image of a matched parking space upon the real time camera view on the screen of a user's device for enforcement.

13. (currently amended) The method for representing the parking status of claim 12 further comprising:

wherein said indicia of UNPAID ~~payment status indicia~~ includes one of the word UNPAID, a colored logo, a circle with a bar, and ~~or~~ a letter X.

14. (cancelled)

15. (currently amended) The method for representing the parking status of claim 12 wherein said indicia of UNPAID ~~payment status indicia~~ includes an audible signal transmitted from a computer server to the user's portable electronic device.

16-20. (cancelled)

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REMARKS

Previously, the Applicant filed this non-provisional continuation in part application. The Examiner mailed a First Action Interview Pilot Program Pre-Interview Communication dated 08/03/17. It was a pleasure to discuss the application with the Examiner Molnar and his Supervisor Flynn during the Interview of 10/27/17. During the Interview, the Supervisor, with the concurrence of the Examiner, suggested a Supplemental Amendment that mentioned an effective range of the invention within the scope of the parent application and incorporation of the real time view into the independent claims.

In this amendment, the Applicant has supplemented the proposed amendment of 9/29/17. In this amendment, the Applicant has amended claims 1, 6, 8, 12, 13, 15, cancelled claims 2, 4, 5, 7, 9-11, 14, 16-20, and claim 3 is original.

First, the Examiner previously objected to claims 1, 6, 9, 12, 17 for spelling and grammar matters in the Communication. The Applicant has amended claims 1, 6, 12 to correct the spelling and grammar as suggested. Claims 9, 17 are cancelled.

Second, the Examiner has rejected claims 1, 12, 4, 5, as indefinite under 35 U.S.C. 112 (b) pre-AIA. The Applicant has amended claims 1, 12 to read more definitely.

Third, the Examiner has rejected claims 1-20 as ineligible subject matter under 35 U.S.C. 101. The present invention seeks to solve the problem of a motorist having to view a parking meter in person by overlaying the status of a parking space with an indicia upon a real time camera view of on a user's mobile phone screen showing when the parking space will be available then allowing a user to pay for that available parking space or an inspector to write a ticket.

The Applicant asserts that its claims provide a way to pay for parking on a mobile phone that has features from multiple sources to solve the problem of physically inspecting a parking meter. These claims have additional features that do not monopolize an abstract idea, DDR *Holdings, LLC v. Hotels.com, L.P, et*

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al., 773 F.3d 1245 (Fed. Cir. 2014) [quoting *Alice Corp. v. CLS Bank Int'l*, 134 S. Ct. 2347, 2357 (2014)]. The Applicant asserts that its claims do not entirely preempt alternative means for remote display of parking status, *McRO, Inc. v. Bandai Namco Games Am. Inc.*, 837 F.3d 1299 (Fed. Cir. 2016). Further, claims to software have yet to draw a *per se* ineligibility for patenting, see generally *Qualtrics, LLC v. Opinionlab, Inc.*, 2016-1177 (Fed. Cir. 2017)[upholding website feedback collection claims as not unpatentable].

Fourth, the Examiner has rejected claims 1, 3, 6, 8, 9, 12, 13, 15, 17 as obvious under 35 U.S.C. 103 by U.S. Pat. Pub. No. 20120078686 to Bashani and WIPO Pub. No. 2005086098 to Fraier. The Applicant notes a patent application has many pieces. The Applicant notes that an Application Data Sheet, ADS, was filed simultaneously with the Information Disclosure Statements in January 2015. The Office did not recognize the ADS during the intervening years. The Applicant now has a pending petition for unintentional delay to add a priority claim. The Applicant asserts that his own previous patent application recited in a priority claim is not prior art against this application. The Applicant asserts that an obviousness rejection ought not include information gleaned only from the Applicant's disclosure, *In re McLaughlin* 443 F.2d 1392, 1395, 170 USPQ 209, 212 (CCPA 1971).

The Examiner has rejected the remaining claims with further combinations of prior art. The Applicant recognizes that claims 1, 3, 6, 8, 9, 12, 13, 15, 17 face only two prior art documents. The Applicant has cancelled claims claims 2, 4, 5, 7, 9-11, 14, 16-20 so that claims 1, 3, 6, 8, 12, 13, 15 may proceed.

Turning to Fraier, the Examiner has selected this reference to counter the select a parking space within three feet feature of the present invention. Fraier describes a RF tag placed in a parking space, p. 31 l. 18. The RF tag marks the parking space for electronic detection, Id. at l. 29. Fraier also suggests two devices work together to share information about a parking space, p. 32 l. 25. The present invention as in claims 1, 12 does not have a tag element and does not require placement of RF tags in each parking space. The present invention

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compares the motorist's location with a list of predetermined locations of parking spaces. The Applicant asserts that Fraier's deployed RF tags teach opposite that of the invention without such tags, thus an inference of non-obviousness of the invention over Fraier has great strength where the prior art teachings undermine the very reason why one of ordinary skill would have combined the known elements, *DePuy Spine, Inc. v. Medtronic Sofamor Danek, Inc.*, 90 U.S.P.Q. 2d 1865,1873 (Fed. Cir. 2009). The Applicant asserts that Fraier does not provide an incentive towards a tagless RFID system, MPEP §2141.02 (prior art must be considered in its entirety, including disclosures that teach away from the claims). The Applicant also asserts that a known disadvantage of Fraier, resources to deploy RFID tags, would naturally discourage searching for a tag free parking system which may be used in determining obviousness, *United States v. Adams,* 383 U.S. 39, 52, 148 USPQ 479, 484 (1966).

The specification, amended claims, and drawings now active in this application are believed to be in condition for examination leading to allowance. If this application is not considered by the Examiner to be in a form for allowance and to expedite the process, Applicant's counsel respectfully requests the Examiner to telephone the undersigned so that any objections may be resolved before mailing of an Office Action. Favorable action by the examiner is respectfully requested.

Respectfully Submitted,



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Electronic Acknowledgement Receipt

EFS ID:	30817610
Application Number:	14562149
International Application Number:	
Confirmation Number:	2753
Title of Invention:	PARKING STATUS SYSTEM
First Named Inventor/Applicant Name:	GILAD G. BASHANI
Customer Number:	27789
Filer:	Charles McCloskey
Filer Authorized By:	
Attorney Docket Number:	837
Receipt Date:	31-OCT-2017
Filing Date:	05-DEC-2014
Time Stamp:	17:05:40
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Supplemental Response or Supplemental Amendment	DN837_Supplemental_Amend.pdf	93443 b7657f13eda81fc50c75c4f4abadc319fe62eaff	no	8
Warnings:					

Information:	
Total Files Size (in bytes):	93443

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 14/562,149	Filing Date 12/05/2014	☐ To be Mailed

ENTITY: ☐ LARGE ☑ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $40 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $210 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

AMENDMENT	10/31/2017	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 7	Minus	** 20	= 0		x $40 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0		x $210 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=		x $ 0 =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=		x $ 0 =	
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.	LIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".	KIM R WATSON
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".	
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.	

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Office of Petitions: Routing Sheet



Application No. 14562149

This application is being forwarded to your office for further processing. A decision has been rendered on a petition filed in this application, as indicated below. For details of this decision, please see the document PET.OP.DEC filed on the same date as this document.

- ☐ **GRANTED**
- ☒ **DISMISSED**
- ☐ **DENIED**

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/562,149	12/05/2014	GILAD G. BASHANI	837	2753

27789 7590 05/04/2018
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EXAMINER	
MOLNAR, HUNTER A	

ART UNIT	PAPER NUMBER
3628	

MAIL DATE	DELIVERY MODE
05/04/2018	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
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In re Application of	:	
GILAD G. BASHANI	:	DECISION ON PETITION
Application No. 14/562,149	:	
Filed: December 5, 2014	:	
Attorney Docket No. 837	:	

This is a decision on the petition under 37 CFR 1.78(c) and 37 CFR 1.78(e) filed October 24, 2017, to accept unintentionally delayed claims under 35 U.S.C. 119(e) and 35 U.S.C. 120 for the benefit of prior-filed provisional and nonprovisional applications as set forth in the accompanying corrected Application Data Sheet.

On petition, applicant explains:

> First, the Applicant respectfully disagrees that the Request was untimely. As mentioned to the Office in the 01/2015 Response, see Exhibits C, D, the Applicant sought amendment of the application to verify the priority claim provided in the Declaration, see Exhibit A. The Applicant notes an Application Data Sheet may be submitted before payment of the issue fee, 37 CFR 1.76(c). The Applicant also notes a claim to priority may be submitted during the pendency of the child application, see 37 CFR 1.78(d)(2). Further, the Applicant notes the Application Data Sheet 2015 was submitted within four months of the parent application and was timely then, see 37 CFR 1.78(d)(3). The Applicant respectfully requests granting of this petition to enter an unintentionally delayed claim to priority.
>
> Second, the Applicant respectfully disagrees that the Request was informal. Application Assistance Unit, during call reference 1-534599840, noticed that the filing receipt included the inventor's name and city thus the declaration and 2015 ADS were inspected and the priority claim went overlooked. Following the acknowledgement receipt of the Response and the 2015 ADS, see Exhibit D, the Office sent no further communication until the Publication Notice of 06/2016. The Office provided no notice of a defect in the 2015 ADS. The declaration included a priority claim, see Exhibit A. The 2015 ADS had no prior ADS to amend and thus no markings. Because the 2015 ADS confirmed the priority claim of the declaration, no need existed to mark up the ADS. Over this summer 2017, Legal suggested a document filed in EFS must show a document code to trigger review by the appropriate department in the Office. The 2015 ADS had the document code "application part" because an ADS is such a part. Doubt remains when the Office did not review the priority claim of the 2015 ADS and declaration but did find the inventor name and state from those documents.

> The Applicant requests a refund of the fee for a petition to accept an unintentionally delayed claim to priority because the Office overlooked a priority claim in the declaration, the application text, 2015 ADS, the Office sending no notice of defect in the 2015 ADS, and the Office overlooked a priority claim in the resubmitted 2015 ADS again in 2017. The undersigned understands that any refund of a fee paid by credit card will be by a credit to the credit card account to which the fee was charged.

Petition, 10/24/17, pp. 2-3.

If the reference required by 35 U.S.C. 119(e) and 35 U.S.C. 120 and 37 CFR 1.78(a)(3) and 37 CFR 1.78(d)(2) is presented after the time period provided by 37 CFR 1.78(a)(4) and 37 CFR 1.78(d)(3), the claim under 35 U.S.C. 119(e) and 35 U.S.C. 120 for the benefit of a prior-filed provisional and nonprovisional applications may be accepted if the reference required by 37 CFR 1.78(a)(3) and 37 CFR 1.78(d)(2) was unintentionally delayed. A petition to accept an unintentionally delayed claim under 35 U.S.C. 119(e) and 35 U.S.C. 120 for the benefit of prior-filed provisional and nonprovisional applications must be accompanied by:

> (1) The reference required by 35 U.S.C. 119(e) and 35 U.S.C. 120 and 37 CFR 1.78(a)(3) and 37 CFR 1.78(d)(2) to the prior-filed applications, unless previously submitted. The reference must be included in an application data sheet (§ 1.76(b)(5));
>
> (2) The petition fee as set forth in § 1.17(m); and
>
> (3) A statement that the entire delay between the date the benefit claim was due under 37 CFR 1.78(a)(4) and 37 CFR 1.78(d)(3) and the date the benefit claim was filed was unintentional. The Director may require additional information where there is a question whether the delay was unintentional.

The Office has considered applicants' arguments, but does not find them persuasive. In particular, the present petition fails to meet requirement (1) above.

First, applicant asserts that he made a timely and proper claim for benefit of the prior filed applications in the declaration and specification submitted on filing the application on December 5, 2014. Unfortunately, the Office disagrees.

"For applications filed on or after September 16, 2012, the specific reference to the prior application **must be included in an application data sheet** (37 CFR 1.76)." MPEP 211.02 (emphasis added). If an applicant includes a claim for benefit of a prior application in a declaration, the application transmittal letter, or in the first sentence(s) of the specification for an application filed on or after September 16, 2012, and not in an ADS as required by §§ 1.76(b)(5) and 1.78, the Office will not recognize the claim, as shown by its absence on the filing receipt. *See* MPEP 211.03. That is, the benefit claim is not a proper benefit claim under 35 U.S.C.

119(e) or 35 U.S.C. 120 and 37 CFR 1.78 unless the reference is included in an ADS and all other requirements are met. *See* MPEP 211.02(I).

Second, applicant avers a timely benefit claim was made in the ADS filed January 27, 2015, within four months of the present application's filing date. Applicant argues that no markings of the ADS filed January 27, 2015, were necessary because the ADS of January 27, 2015, confirmed the benefit claims in the declaration and no prior ADS had been filed to amend. Unfortunately, the Office disagrees.

The benefit claims made in the ADS filed January 27, 2015, were not acceptable because applicant did not properly identify the information being added with underlining as required by 37 CFR 1.76(c)(2). MPEP 601.05(a)(II) offers the following guidance for adding or correcting a benefit claim after the initial filing of an application:

> 37 CFR 1.76(c) provides the procedure for correcting and updating not only an application data sheet (ADS), but also information otherwise of record (e.g., information provided on the most recent filing receipt). **Any ADS filed after the filing date of the application is considered a corrected (or updated) ADS even if an ADS was not previously submitted.** Such a corrected ADS must identify the information that is being changed with underlining for insertions and strike-through or brackets for text removed[.] **In general, the identification of the information being changed should be made relative to the most recent filing receipt.**
> ...
>
> **Similarly, where the most recent filing receipt does not include a benefit claim, either because a previously submitted ADS failed to comply with 37 CFR 1.78 or the benefit claim was not previously included in an ADS, a corrected ADS submitted to add the benefit claim must identify the addition of the benefit claim with underlining.** A petition under 37 CFR 1.78 may be required if the benefit claim is being submitted outside the time period in 37 CFR 1.78.

(Emphasis added).

A corrected ADS must identify with markings any changes in information from what was provided in a prior ADS **or otherwise of record (*e.g.*, information provided on the most recent filing receipt)**. A review of the record reveals the benefit claims to the prior-filed application, which applicant now seeks benefit, were <u>not</u> made of record as evidenced by their absence on the filing receipt issued December 19, 2014. As no domestic benefit claim was made of record, applicant was required to underline the benefit claims in the corrected ADS filed January 27, 2015, to make a proper and timely benefit claim for acceptance by the Office. The Office notes that the marking of any changes in information (by underlining and/or strike-through or brackets) is required for the Office to capture such information for publication purposes.

Additionally, the corrected ADS of January 27, 2015, was not acceptable because the benefit claim included intermediate Application No. 13/**425**,385, which lacked a common inventor. The ADS of January 27, 2015, indicated that this application (14/562,149) is a continuation in part of Application No. 13/**245**,385 and that Application No. 13/**425**,385 claimed benefit of provisional Application No. 61/386,645.

A review of the continuity history for Application No. 13/**425**,385 reveals that Application No. 13/**425**,385 does not contain a benefit claim to Application No. 61/386,645. Furthermore, there is a lack of common inventorship between Application No. 13/**425**,385 and Application No. 61/386,645. Rather, the continuity history Application No. 13/**245**,385 shows that Application No. 13/**245**,385 claims benefit of provisional Application No. 61/386,645. It appears applicant made a typographical error in the domestic benefit information provided in the ADS submitted on January 27, 2015, and incorrectly indicated that intermediate Application No. 13/**425**,385 claims benefit of provisional Application No. 61/386,645 instead of 13/**245**,385. Therefore, applicant did not make a proper benefit claim in the ADS filed on January 27, 2015. It is noted that the Office will not make any assumptions with regard to the application(s) that an applicant wishes to claim benefit, but rather uses the information provided by applicant.

Third, applicant requests a refund of the petition fee. It appears applicant is asserting that a petition under 37 CFR 1.78 to accept unintentionally delayed benefit claims is not necessary because the application contained timely and proper benefit claims to the prior-filed applications. Unfortunately, the Office disagrees.

To be considered timely, applicant was required to submit a proper benefit claim in a corrected and marked up ADS within the **later of April 5, 2015**, four months from the filing date of the present non-provisional application, **or January 27, 2012**, sixteen months from the filing date of the provisional application. A review of the ADS labeled "AMENDED ADS 10/24/17" submitted on petition is not acceptable because it does not contain any of the required markings (*i.e.,* underlining and/or strikethrough) in compliance with 37 CFR 1.76(c). Additionally, the Office cannot accept the marked up corrected ADS form (ADS.CORR) electronically filed on October 24, 2017, because it does not identify this application (14/562,149) by the correct application number or leaving the application number blank. Specifically, the application number appearing in the updated data box of the corrected ADS form of October 24, 2017, shows 9999999 instead of 14562149. The EFS-Web team and the Office of Patent Legal Administration were recently consulted and determined that the appearance of the application number for this application as 9999999 instead of 14562149 was due to user error and not on the part of the USPTO or a software error. It is noted that the right side of the corrected ADS form reflects the information as typed in by the user.

The Instructions for Application Data Sheets indicate:

> **If you are claiming benefit of more than one prior-filed application, you must start with the most recent application and go back chronologically to the earliest application. Otherwise, the benefit claims may not be recognized by the Office if**

> **not presented in this manner and will not auto-load into the Office's electronic systems.** If there is more than one chain of applications for which benefit is being claimed, you must start each chain with the most recent application and go back chronologically to the earliest application in each chain. Otherwise, the benefit claims may not be recognized by the Office if not presented in this manner and will not auto-load into the Office's electronic systems.

(Emphasis added).

By failing to identify this application by application number (14562149) or leaving the field blank in the updated data box of the corrected ADS form of October 24, 2017, applicant failed to present proper benefit claims starting with the most recent application (14562149) and going back chronologically to the earliest application. As previously stated, the Office will not presume the intent of an applicant regarding the applications for which he wishes to claim benefit. It is the applicant's responsibility to present the benefit claim consistent with the requirements of 37 CFR 1.76 and 1.78. For this reason, the Office cannot accept the corrected ADS form filed on October 24, 2017, nor enter the benefit claims to the prior-filed applications as drafted in that ADS. Accordingly, the Office finds that applicant has not presented a proper and timely benefit claim in an acceptable corrected and marked-up ADS to date and that a petition under 37 CFR 1.78(c) and 1.78(e) and petition fee are necessary for acceptance of the delayed benefit claims.

As to applicant's refund request, the Office will not refund the petition fee because it is necessary for consideration of the present petition and a decision on the merits. Additionally, applicant is not entitled to a refund because the petition fee was not paid by mistake or in excess of the amount required. *See* 35 U.S.C. 42 and 37 CFR 1.26.

In view of the above, the petition under 37 CFR 1.78(c) and 1.78(e) is **dismissed**. No benefit claims under 35 U.S.C. 119(e) or 120 have been entered or made of record as of the date of this decision.

If applicant wishes to claim benefit of the prior-filed applications, applicant must submit a "Renewed Petition under 37 CFR 1.78(c) and 1.78(e)", accompanied by a corrected and marked-up ADS containing proper benefit claims to the prior filed application.

Further correspondence with respect to this matter should be addressed as follows:

By mail: Mail Stop PETITIONS
Commissioner for Patents
Post Office Box 1450
Alexandria, VA 22313-1450

By hand: Customer Service Window
Mail Stop Petitions
Randolph Building
401 Dulany Street
Alexandria, VA 22314

By fax: (571) 273-8300
ATTN: Office of Petitions

By Internet: EFS-Web[1]

This application is being forwarded to Technology Center Art Unit 3628.

Any questions concerning this matter may be directed to the undersigned at (571) 272-3211.

/Christina Tartera Donnell/

Christina Tartera Donnell
Attorney Advisor
Office of Petitions

[1] www.uspto.gov/ebc/efs faelp.html (for help using EFS-Web call the Patent Electronic Business Center at (866) 217-9197)

Office of Petitions: Decision Count Sheet

Mailing Month 5

Application No. 14562149

14562149

For US serial numbers: enter number only, no slashes or commas. Ex: 10123456
For PCT: enter "51+single digit of year of filing+last 5 numbers", Ex. for PCT/US05/12345, enter 51512345

Deciding Official: Christina Donnell

Count (1) - Palm Credit 14562149

Decision: DISMISSED

FINANCE WORK NEEDED
☐ Select Check Box for YES

DISMISSED

Decision Type: 535 - 37 CFR 1.78(a)(3) & (a)(6) UNINTENTIONAL DELAY

535

Notes:

Count (2)

Decision: n/a

FINANCE WORK NEEDED
☐ Select Check Box for YES

Decision Type: NONE

Notes:

Count (3)

Decision: n/a

FINANCE WORK NEEDED
☐ Select Check Box for YES

Decision Type: NONE

Notes:

Initials of Approving Official (if required)

If more than 3 decisions, attach 2nd count sheet & mark this box ☐

Printed on: 5/4/2018

Office of Petitions Internal Document - Ver. 5.0

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/562,149	12/05/2014	GILAD G. BASHANI	837	2753

27789 7590 06/14/2018

CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MISSOURI 63017
UNITED STATES OF AMERICA

EXAMINER	
MOLNAR, HUNTER A	

ART UNIT	PAPER NUMBER
3628	

MAIL DATE	DELIVERY MODE
06/14/2018	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Oracle v. Parking WW
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DETAILED ACTION

Notice of AIA Status

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Status of the Application

2. Claims 1-20 were previously pending. Claims 2, 4-5, 7, 9-11, 14, and 16-20 were cancelled and claims 1, 6, 8, 12-13, and 15 were amended following the pre-interview communications mailed by the examiner on 8/03/2017. Claims 1, 3, 6, 8, 12-13, and 15 are currently pending and have been examined in this application. This communication is the first action on the merits under the First Action Interview Pilot program.

Response to Arguments

3. The previous claim objections of claims 1, 6, 9, 12, 17 are withdrawn in view of the amendments and the cancellation of claims 9 and 17.

4. The previous 112(b) rejections of claims 1, 4, 5, 12 as being indefinite has been withdrawn in view of the amendments to the claims and the cancellation of claims 4 and 5.

5. Applicant's arguments with respect to the previously identified 35 USC 101 rejection of claims 1-20 in the pre-interview communication (remarks 10/31/2017, pgs. 6-7) have been fully considered and are persuasive as the claimed invention provides a specific method of using a parking device that combined parking data from a variety of sources with augmented reality technology to overlay the display of a real-time parking space for identifying vehicles in a parking location with an expired parking time. Accordingly, the 101 rejection is withdrawn.

6. Applicant's arguments regarding the 103 rejection of claims 1-20 (remarks filed 10/31/2017), specifically with respect to the combination of Bashani and Fraier have been considered but they are moot as they do not apply to the current 102(a)(1) and 102(a)(2)

rejections of claims 1, 3, 6, 8, 12-13, and 15 as being anticipated by Bashani (previously cited). The 103 rejections of all cancelled claims are withdrawn.

7. Applicant's arguments regarding the 103 rejection of claims 1-20 (remarks filed 10/31/2017), specifically asserting that the Bashani reference does not qualify as prior art because the instant application claims priority to an earlier filed application have been fully considered but are not persuasive. While the examiner agrees that the reference would not qualify if the claim to priority has been perfected, applicant's petition as of the current date of writing (6/13/2018) has been dismissed and therefore the claim for priority has not yet been corrected. Once applicant's claim for priority is corrected, the Bashani reference would be unavailable as prior art against any claims which are entitled to the claimed priority date.

Claim Rejections - 35 USC § 102

8. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.
>
> (a)(2) the claimed invention was described in a patent issued under section 151, or in an application for patent published or deemed published under section 122(b), in which the patent or application, as the case may be, names another inventor and was effectively filed before the effective filing date of the claimed invention.

10. **NOTE:** Should the claim for domestic priority to application no. 13/245,385, which claims priority to provisional application no. 61/386,645 be corrected, then US 20120078686 A1 to Bashani (applied below) would no longer be applied as prior art and the rejection would be withdrawn. However, the recent petition to correct the priority claim was dismissed, therefore the claims are not currently entitled to the priority date of the previously mentioned applications.

11. Claims 1, 3, 6, 8, 12-13, and 15 are rejected under 35 U.S.C. 102(a)(1) and 102(a)(2) as being anticipated by US 20120078686 A1 to Bashani.

12. Regarding **claims 1 and 12,** Bashani teaches:

- a method for representing the parking status of a plurality of parking spaces to a screen of a user's portable electronic device upon a real time camera view (Bashani: ¶ 0020, ¶ 0025, ¶ 0046-0047 showing overlay of parking info on real time images),
- any of said at least one parking space being one of paid for current payment and unpaid upon exhaustions of payment (Bashani: ¶ 0022-0023 showing parking spaces may be in paid or unpaid status dependent on payment),
- any of a plurality of subscribers utilizing said method to reserve at least one of the plurality of parking spaces and then to pay for at least one of the plurality of parking spaces (Bashani: ¶ 0031, ¶ 0047-0048 parking subscribers pay for membership to park in the parking space locations), the method comprising:
- assembling a database upon a computer of said plurality of parking spaces (Bashani: ¶ 0053 parking space ID's in database), said database including geographic locations of said plurality of parking spaces and time limits applicable to each of said plurality of parking spaces (Bashani: ¶ 0053 showing GPS fixes for parking meters or spaces stored in table, ¶ 0048 showing pay by hour and pay for membership)

- updating a database upon a computer of subscribers, said database including a list of parking spaces reserved by each subscriber (Bashani: ¶ 0060 subscriber payment/parking information, ¶ 0065 database of subscribers; see ¶ 0048 specific spaces are paid for; ¶ 0057 paid spaces determined and displayed), and a list of the expiration times for each paid for parking space of each subscriber (Bashani: ¶ 0048 showing "paid for" time remaining; ¶ 0054 showing a start time and end time for parking)
- calculating a location of said user, said calculating a location of said user adapted to utilize a location finding feature of said user's portable electronic device (Bashani: ¶ 0044 determining position based on a GPS of the portable device)
- determining upon a computer a location of one of said plurality of parking spaces by comparing the location of said user to said database of said plurality of parking spaces and selecting one of said plurality of parking spaces within eight to ten feet of the position of said user (Bashani: ¶ 0063 showing image of parking status overlaid over vehicles in parking spaces from 8 to 10 feet away; ¶ 0064-0065 showing comparison of GPS fixed of the spaces to the location of the device at the actual location)
- comparing upon a computer the location of one of said plurality of parking spaces with said database of subscribers further comprising comparing upon a computer the location of one of said plurality of parking spaces against said list of parking spaces paid for by said subscribers (Bashani: ¶ 0053-0054 showing parking location used to obtain subscriber information for the spaces) for a match between said location and said list of parking spaces paid for by said subscribers (Bashani: ¶ 0050-0054, 0063 showing parking location used to obtain subscriber info, parking image status overlaid when at the parking spaces location, and a subscriber vehicle is detected)
- upon detecting a match between said location and said list of parking spaces paid for by said subscribers, comparing the matched parking spaces to said list of expiration times

and upon detecting the matched parking spaces exceeding an expiration time displaying upon said user's screen an unpaid payment indicia upon an image of the matched parking space (Bashani: ¶ 0057 expired subscription vehicles are shown on user's screen as unpaid), wherein the user may execute enforcement measures upon any vehicle in said matched parking space showing said unpaid indicia (Bashani: ¶ 0057 showing ticket may be issued; ¶ 0049 further describing enforcement measures)

- wherein said method transforms upon a computer location data of said plurality of parking spaces and payment status data of said plurality of parking spaces into indicia of unpaid parking spaces (Bashani: ¶ 0057 showing unpaid indicia on user's screen; ¶ 0046 showing parking status overlaid on the determined real time visual image; also see citations above)
- said comparing the matched parking space to said list of expiration times and upon detecting the matched parking space exceeding an expiration time (Bashani:) and said method places said indicia of unpaid on an image of a matched parking space upon the real time camera view on the screen of a user's device for enforcement (Bashani: ¶ 0057, ¶ 0050-0054, ¶ 0022-0023 showing unpaid status indicating parking time has run out for the vehicle (i.e. their subscription expired) which may result in enforcement measures)

13. Regarding **claim 3**, Bashani teaches claim 1 and further teaches opening an account for each of said subscribers wherein said account permits each of said subscribers to reserve at least one of said plurality of parking spaces and permits each of said subscribers to pay for at least one of said plurality of parking spaces utilizing means of electronic payment (Bashani: ¶ 0060-0061 showing account is opened and customer pay to park in the space electronically).

14. Regarding **claims 6 and 13,** Bashani teaches claims 1/12 and further teaches said indicia of UNPAID overlying upon said user's screen one of the word UNPAID, a colored logo, a

circle with a bar, and a letter X (Bashani: ¶ 0056-0057, ¶ 0046 showing at least a red flag or color code, ¶ 0057 showing UNPAID graphic).

15. Regarding **claim 8,** Bashani teaches claim 1 and further teaches said indicia of UNPAID including an audible recitation (Bashani: ¶ 0065 voice recitation through speaker of portable device streamed from server).

16. Regarding **claim 15**, Bashani teaches claim 12 and further teaches wherein said indicia of UNPAID includes an audible signal transmitted from a computer server to the user's portable electronic device (Bashani: ¶ 0065 voice recitation through speaker of portable device streamed from server).

Conclusion

The following references (all previously cited) are not relied upon but are relevant to the instant application:

- US 20070267479 A1 to Nix
- US 20030128630 A1 to Krygler
- US 20020109610 A1 to Katz
- US 20140214500 A1 to Hudson
- US 20140372185 A1 to Ganot

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hunter Molnar whose telephone number is (571)272-8271. The examiner can normally be reached on Monday - Friday, 8:00 - 5:00 EST.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Flynn can be reached on (571)270-3108. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/HUNTER A MOLNAR/
Examiner, Art Unit 3628

/KEVIN H FLYNN/
Supervisory Patent Examiner, Art Unit 3628

First Action Interview Office Action Summary	Application No.	Applicant(s)	
	14/562,149	BASHANI, GILAD G.	
	Examiner	Art Unit	AIA Status
	Hunter Molnar	3628	Yes

The MAILING OR NOTIFICATION DATE of this communication appears on the cover sheet with the correspondence address.

THE SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE **TWO MONTHS** FROM THE MAILING OR NOTIFICATION DATE OF THIS COMMUNICATION.

This time period for reply is extendable under 37 CFR 1.136(a) for only TWO additional MONTHS.

☐ Applicant's request to not have a first-action interview is acknowledged (or the time period for reply set forth in the Pre-Interview Communication has expired and the Office did not receive any reply).

Status

1) ☑ Responsive to communication(s) filed on See Continuation Sheet and interview conducted on 27 October 2017.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____ .

2) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle,* 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

3) ☑ Claim(s) 1,3,6,8,12-13 and 15 is/are pending in the application.

3a) Of the above claim(s) _____ is/are withdrawn from consideration.

4) ☐ Claim(s) _____ is/are allowed.

5) ☑ Claim(s) 1,3,6,8,12-13 and 15 is/are rejected.

6) ☐ Claim(s) _____ is/are objected to.

7) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

8) ☐ The specification is objected to by the Examiner.

9) ☑ The drawing(s) filed on 12/5/2014 is/are: a) ☑ accepted or b) ☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

10) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some * c) ☐ None of:

1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

*See the attached detailed Office action for a list of the certified copies not received.

Contact Information

Examiner's Telephone Number: (571)272-8271

Examiner's Typical Work Schedule: Monday - Friday, 8:00 - 5:00 EST

Supervisor's Name: Kevin Flynn

Supervisor's Telephone Number: (571)270-3108

Attachment(s)	
1) ☐ Notice of References Cited (PTO-892)	3) ☑ Interview Summary (PTO-413) Paper No(s)/Mail Date. 20180612 .
2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.	4) ☐ Other: _____ .

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Oracle v. Parking WW
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Continuation of Status 1) 10/31/2017 and 12/5/2014

Oracle EX1002, p. 271
Oracle v. Parking WW
IPR2023-00385

First Action Interview Office Action Summary	Application No. 14/562,149	Applicant(s) BASHANI, GILAD G.	
	Examiner Hunter Molnar	Art Unit 3628	AIA Status Yes

Notification of Rejection(s) and/or Objection(s)

#	Claim(s)	Reference(s) (if applicable)	Rejection Statutory Basis	Brief Explanation of Rejection
1	1,3,6,8,12-13 and 15	Bashani	102(a)(1), 102(a)(2)	Please see the attached office action.

Expanded Discussion/Commentary

DATE: 13 June 2018	/HUNTER A MOLNAR/ Examiner, Art Unit 3628	/KEVIN H FLYNN/ Supervisory Patent Examiner, Art Unit 3628

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Oracle v. Parking WW
IPR2023-00385

Applicant-Initiated Interview Summary	Application No. 14/562,149	Applicant(s) BASHANI, GILAD G.		
	Examiner Hunter Molnar	Art Unit 3628	AIA (First Inventor to File) Status Yes	Page 1 of 2

All participants (applicant, applicants representative, PTO personnel):

1. Hunter Molnar (Examiner); Telephonic
2. Kevin Flynn (SPE); Telephonic
3. Gilad Bashani (Inventor); Telephonic
4. Charles McCloskey (Attorney of Record); Telephonic

Date of Interview: 27 October 2017

Claims Discussed: Claim 1

Prior Art Discussed: Bashani (US 20120078686 A1) and Fraier (WO 2005086097 A1)

Amendment proposed: See claims filed 9/29/2017 prior to the interview

Brief Description of the main topic(s) of discussion: Applicant provided arguments as to why the claims are allowable over the prior art and the 101 and 103 rejections should be withdrawn. The 101 was discussed, generally noting that the claims amount to significantly more than an abstract idea (see further discussion below). With respect to 103, applicant argued that the primary reference (Bashani) does not qualify as prior art and that the Bashani and Fraier references may not be combined (see further discussion below). The examiner made recommendations to further prosecution with respect to the 101 and 103 rejections.

Issues Discussed:

Item(s) under 35 U.S.C. 101:
With respect to 101, Applicant argued (generally) that the application claims an improved parking enforcement device (see remarks filed 9/29/2017 prior to the interview) but the 101 rejection was not discussed in great detail. The examiner agreed to reconsider the 101 rejection in light of these arguments before the non-final action is mailed .

Item(s) under 35 U.S.C. 103:
With respect to 103, Applicant argued that the Bashani reference is not prior art because the application claims priority to 13/245,385. However, the examiner noted that the claims (as of the date of the pre-interview communication mailing) included features not in the parent application to which priority was claimed, therefore the entire claim does not maintain priority to the previous application. Applicant also mentioned that a petition was filed to correct the priority claim but as of the date of interview the petition is pending. The examiner recommended amending the claims to only include subject matter disclosed by the parent application in order to disqualify the Bashani reference (pending approval of the corrected priority claim). Applicant also argues that the Bashani and Fraier references cannot be combined because Bashani senses locations uses defined GPS coordinates, whereas Fraier just uses NFC to communicate with tags that are indicative of locations. The examiner generally agreed to reconsider the combination of references before the non-final office action is mailed.

/HUNTER A MOLNAR/ Examiner, Art Unit 3628	/KEVIN H FLYNN/ Supervisory Patent Examiner, Art Unit 3628

Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04
Please further see:
MPEP 713.04
Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b)
37 CFR § 1.2 Business to be transacted in writing

U.S. Patent and Trademark Office
PTOL-413/413b (Rev. 01/01/2015) **Interview Summary** Paper No. 20180612

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/562,149	BASHANI, GILAD G.
	Examiner	Art Unit
	Hunter Molnar	3628

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	08/01/2017	06/13/2018							
	1	✓	✓							
	2	✓	-							
	3	✓	✓							
	4	✓	-							
	5	✓	-							
	6	✓	✓							
	7	✓	-							
	8	✓	✓							
	9	✓	-							
	10	✓	-							
	11	✓	-							
	12	✓	✓							
	13	✓	✓							
	14	✓	-							
	15	✓	✓							
	16	✓	-							
	17	✓	-							
	18	✓	-							
	19	✓	-							
	20	✓	-							

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/562,149	BASHANI, GILAD G.
	Examiner	Art Unit
	Hunter Molnar	3628

CPC - Searched*		
Symbol	Date	Examiner
G07B15/00	08/01/2017	HM
G07B15/02	08/01/2017	HM

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
705	013	08/01/2017	HM

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
East Search (CPC, text, text limited by CPC)	08/01/2017	HM
Inventor search (PE2E/PALM)	08/01/2017	HM
Brief updated east search above	06/13/2018	HM
IP.com search query (Patents/Publications US and foreign)	06/13/2018	HM

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

/H.M./ Examiner, Art Unit 3628	

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Complete Main Concept Text
==========
augmented reality parking enforcement device

Collections (77)
==========
US Patents
US Designs
US Applications
Canada Patents
Canada Applications
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EPO Applications
Austria Patents
Austria Applications
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Belgium Applications
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China Patents

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China Applications
Hong Kong Patents
India Patents
India Applications
Israel Applications
Japan Patents
Japan Applications
Korea Patents
Korea Applications
Malaysia Patents
Philippines Patents
Philippines Applications
Singapore Patents
Singapore Applications
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Brazil Patents
Brazil Applications
EAPO Patents
EAPO Applications
New Zealand Patents
Russia Patents
Russia Applications
South Africa Patents

Other Options
==========
Sort by: Relevance
Relevance Cut-off: None

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	("20020109610" | "20060028708" | "20080055050" | "20090073191" | "20110099126" | "20120030727").PN.	US-PGPUB; USPAT	OR	ON	2017/07/14 11:31
S2	12	("20020109610" | "20040068433" | "20060028708" | "20060244677" | "20080021770" | "20080055050" | "20080218383" | "20090073191" | "20110099126" | "20120030727" | "6927700" | "7764247").PN.	US-PGPUB; USPAT	OR	ON	2017/07/14 11:31
S3	82	("20030074132" | "20070126739" | "20100017118" | "20100228473" | "20110062230" | "20110178703" | "20130135118" | "20140067492" | "20140257949" | "20140310073" | "7237716" | "8816880" | "9064416" | "9082134")".PN.'"	US-PGPUB; USPAT	OR	ON	2017/07/17 11:13
S4	165	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 location	US-PGPUB; USPAT	OR	ON	2017/07/17 11:16
S5	253	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 (space or location)	US-PGPUB; USPAT	OR	ON	2017/07/17 11:16
S6	98	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 (space or location) and (G06Q2240$.cpc. or G07B15$.cpc.)	US-PGPUB; USPAT	OR	ON	2017/07/17 11:19
S7	10	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 (space or location) and (G06Q2240$.cpc. or G07B15$.cpc.) and @pd <"20110926"	US-PGPUB; USPAT	OR	ON	2017/07/17 11:24
S8	10	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 (space or location) and (G06Q2240$.cpc. or G07B15$.cpc.)	US-PGPUB; USPAT	OR	ON	2017/07/17 11:24

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		and @pd< "20110926"				
S9	0	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 (space or location) and (G06Q2240$.cpc. or G07B15$.cpc.) and @pd < "20110926"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/17 11:37
S10	20	"2005086097"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/17 11:37
S11	6	"2005086097".pn.	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/17 11:37
S12	1	"20110099126".pn.	US-PGPUB; USPAT	OR	ON	2017/07/17 11:38
S13	1	"20020109610".pn.	US-PGPUB; USPAT	OR	ON	2017/07/17 11:41
S14	62	("20020067264" | "20020185542" | "20030075608" | "20030189493" | "20040066296" | "20040119605" | "20050183990" | "20050200476" | "20050203798" | "20050234774" | "20050243784" | "20050284941" | "20060119481" | "20060145880" | "20060186201" | "20060284839" | "20070018832" | "20070021197" | "20070030151" | "20070057469" | "20070075148" | "20070075861" | "20070096906" | "20070109101" | "20070126578" | "20070136218" | "20070152829" | "20070164863" | "20070175972" | "20070296599" | "20080113767" | "20090033463" | "20090085721" | "20090167699" | "20090309086" | "20100063652" | "20100097195" | "20100114426" | "20100123581" | "20100171592" | "20100177993" | "20100271187" | "20100308964" | "20100308975" | "20110163850" | "20110227748" | "20110266342" | "20110285507" | "20130314207" | "20140061303" | "20140061382" | "20140176307" | "20140232519" | "20150357948" | "6366242" | "6531964" | "8169303" | "8482412" | "8542834" | "8556178" | "8893969" | "9405948").PN.	US-PGPUB; USPAT	OR	ON	2017/07/17 13:35
S15	1474	camera near10 (vehicle or space) near10 display and parking near10 (system)	US-PGPUB; USPAT	OR	ON	2017/07/17 13:47
S16	111	camera near10 (vehicle or space) near10 display and parking near10 (system) and (G06Q$.cpc. or G07B15$.cpc.)	US-PGPUB; USPAT	OR	ON	2017/07/17 13:48
S17	1	(account or profile) near10 (compar$4 or match$4) near10 (unpaid or paid or expired) same parking	US-PGPUB; USPAT	OR	ON	2017/07/17 15:27

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S18	66	(account or profile) near10 (compar$4 or match$4) near10 parking	US-PGPUB; USPAT	OR	ON	2017/07/17 15:34
S19	11230667	(account or profile) near10 (compar$4 or match$4) near10 parking @pd<"20110216"	US-PGPUB; USPAT	OR	ON	2017/07/17 15:35
S20	25	(account or profile) near10 (compar$4 or match$4) near10 parking and @pd<"20110216"	US-PGPUB; USPAT	OR	ON	2017/07/17 15:35
S21	1	"20100026522".pn.	US-PGPUB; USPAT	OR	ON	2017/07/17 15:39
S22	1	"20060059037"	US-PGPUB; USPAT	OR	ON	2017/07/21 11:22
S23	1	"20040133464".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 11:22
S24	1	"20040068433".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 11:23
S25	1	"6340935".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 11:23
S26	1	"20040181496".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 11:23
S27	20	"2005086097"	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/21 11:23
S28	9	"2002063243"	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/21 11:24
S29	1	"20080055050".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 11:49
S30	1	(payment) near10 (audible or audio or sound) near10 status near20 parking	US-PGPUB; USPAT	OR	ON	2017/07/21 11:51
S31	115	(payment) near10 (audible or audio or sound) near10 parking	US-PGPUB; USPAT	OR	ON	2017/07/21 11:52
S32	1	(payment) near10 (recitation or "voice message") near10 parking	US-PGPUB; USPAT	OR	ON	2017/07/21 12:40
S33	1	(pay$6) near10 (recitation or "voice message") near10 parking	US-PGPUB; USPAT	OR	ON	2017/07/21 12:41
S34	1	(pay$6) near10 (recitation or "voice message") near10 park$5	US-PGPUB; USPAT	OR	ON	2017/07/21 12:41
S35	323	(pay$6) near10 (recitation or "voice message")	US-PGPUB; USPAT	OR	ON	2017/07/21 12:41
S36	25	(pay$6) near10 (recitation or "voice message") and parking	US-PGPUB; USPAT	OR	ON	2017/07/21 12:41
S37	46	parking near20 voice near4 (alert or alarm)	US-PGPUB; USPAT	OR	ON	2017/07/21 12:48
S38	46	S37 not S36	US-PGPUB; USPAT	OR	ON	2017/07/21 12:48
S39	442	parking near10 subscri$6	US-PGPUB; USPAT	OR	ON	2017/07/27 15:29
S40	79	parking near10 subscri$6 and (space or spot) near10 (expir$5 or unpaid or un-paid or "not paid")	US-PGPUB; USPAT	OR	ON	2017/07/27 15:29

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S41	338020	(G06Q$.cpc. or G07B$.cpc.)	US-PGPUB; USPAT	OR	ON	2017/07/27 15:30
S42	52	S40 and S41	US-PGPUB; USPAT	OR	ON	2017/07/27 15:30
S43	2	S40 and S41 and @pd<"20110926"	US-PGPUB; USPAT	OR	ON	2017/07/27 15:40
S44	514	(space or spot) near10 (expir$5 or unpaid or un-paid or "not paid") and S41 and @pd<"20110926"	US-PGPUB; USPAT	OR	ON	2017/07/27 15:42
S45	77	(space or spot) near10 (expir$5 or unpaid or un-paid or "not paid") and G07B$.cpc. and @pd<"20110926"	US-PGPUB; USPAT	OR	ON	2017/07/27 15:43
S46	121	compar$5 near10 (two or "2") near10 (park$4 and (cars or vehicles))	US-PGPUB; USPAT	OR	ON	2017/07/28 09:10
S47	9	compar$5 near10 (two or "2") near10 (park$4 and (cars or vehicles)) and G07B$.cpc.	US-PGPUB; USPAT	OR	ON	2017/07/28 09:11
S48	58	center near7 parking near4 (space or spot) and G07B$.cpc.	US-PGPUB; USPAT	OR	ON	2017/07/28 09:14
S49	7	location same (middle) near7 parking near4 (space or spot) and G07B$.cpc.	US-PGPUB; USPAT	OR	ON	2017/07/28 10:08
S50	129	parking near4 (space or spot) near10 (length and (center or centre or middle))	US-PGPUB; USPAT	OR	ON	2017/07/28 10:16
S51	80	parking near10 (officer or enforcement) and (augment reality or virtual reality or VR or overlay) near10 (parking)	US-PGPUB; USPAT	ADJ	ON	2018/06/13 12:05
S52	64	parking near10 (officer or enforcement) and (augment reality or virtual reality or VR or overlay or overlaid) near10 (parking) and (overla$4 near10 (image or screen))	US-PGPUB; USPAT	ADJ	ON	2018/06/13 12:08
S53	53	parking adj3 (enforcement or officer) and (overla$6) near3 (text or graphic or indicator) near6 (live or real-time or image)	US-PGPUB; USPAT	ADJ	ON	2018/06/13 12:27
S54	1	parking adj3 (enforcement or officer) and (overla$6) near3 (text or graphic or indicator) near6 (live or real-time or image) and @pd<"20100927"	US-PGPUB; USPAT	ADJ	ON	2018/06/13 12:27
S55	12	parking adj3 (enforcement or officer) and (augmented reality)	US-PGPUB; USPAT	ADJ	ON	2018/06/13 12:28
S56	53	parking near10 (device) same (expired) same (infraction or violation)	US-PGPUB; USPAT	ADJ	ON	2018/06/13 13:25
S57	102	(mobile or device) near10 (screen) same parking near4 (violation or infraction or ticket)	US-PGPUB; USPAT	ADJ	ON	2018/06/13 13:26

EAST Search History (Interference)

< This search history is empty>

6/13/2018 1:27:26 PM
C:\Users\hmolnar\Documents\EAST\Workspaces\14562149.wsp

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Bashani, Gilad G.	**GAU: 3628**
SERIAL NO: 14/562149	**EXAMINER: Molnar, Hunter A.**
FILED: 12/05/2014	**St. Louis, Missouri**
FOR: Parking Status System	**Date: 06/14/18** **DN: 837**

Commissioner for Patents
MS-Petitions
P.O. Box 1450
Alexandria, Virginia 22313-1450

RENEWED PETITION TO ACCEPT AN UNINTENTIONALLY DELAYED CLAIM TO PRIORITY UNDER 35 U.S.C. §§120, 119(e), 111(c) FOR THE BENEFIT OF A PRIOR-FILED NON-PROVISIONAL APPLICATION PURSUANT TO 37 CFR §§ 1.78 (a), (c), and 1.78(e)

Sir:

This Renewed Petition requests acceptance of an unintentionally delayed claim to priority for this pending non-provisional application, Ser. No. 14/562149 that claimed priority to a pending non-provisional application, Ser. No. 13/245385 that claimed priority to an expired provisional application, Ser. No. 61/386645. This renewed petition for acceptance of an unintentionally delayed claim to priority is filed pursuant to 35 U.S.C. §§120, 119(e), 111(c) and 37 CFR §§ 1.78(a), (c), (e), the decision of 5/4/18, and a fee of $850 was previously submitted with the preceding Petition.

The Applicant provides the following claim to priority pursuant to 35 U.S.C. §§120, 119(e), 111(c) and 37 CFR §§ 1.76, 1.78(a), (c), (e):

This non-provisional patent application claims priority to the pending non-provisional application 13/245385 filed on 09/26/2011 which claims priority to the expired provisional application 61/386645 filed on 09/27/2010 and all are commonly owned by the same inventor.

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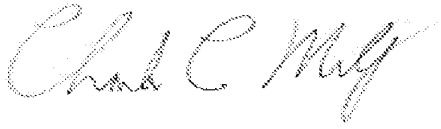
The entire delay between the date the benefit claim was due under paragraph (a)(4) of 37 CFR 1.78(a) and the date the benefit claim was filed, including the filing of a grantable petition under 37 CFR 1.78(a), (c) (e), was unintentional.

The Decision on Petition dated 5/4/18 identified transposed digits in a previously submitted ADS and an application serial number of 9999999 in the same document. The application serial number appears unusual to the Applicant. Pursuant to page 5 of the Decision on Petition dated 5/4/18 and telephone discussion with the Office of Petitions on 6/5/18, the Applicant provides a corrected and marked up ADS from the data in the Official Filing Receipt where the marked up ADS contains proper benefit claims to the prior filed applications.

The undersigned, being hereby warned that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001, and that such willful false statements and the like may jeopardize the validity of this document, declares that he is properly authorized to execute this document on behalf of the Applicant, and all statements made of his own knowledge are true and that all statements made on information and belief are believed to be true.

The undersigned attorney as Petitioner, on behalf of the Applicant, herein requests granting by the Office of this Renewed Petition to accept an unintentionally delayed claim to priority for a pending non-provisional application.

Respectfully Submitted,



Charles C. McCloskey
Attorney
Pat. Off. Reg. No. 46,911
13321 N. Outer 40 Rd. Ste. 100
Town & Country, MO 63017
(636) 527-9962

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CONNECTED ADS 06/14/18

PTO/AIA/14 (11-15)
Approved for use through 04/30/2017. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	14562149
Title of Invention	PARKING STATUS SYSTEM	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2:

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1 — Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Gilad	G.	Bashani	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Clayton	State/Province	MO	Country of Residence	US

Mailing Address of Inventor:

Address 1	8331 University Dr.		
Address 2			
City	Clayton	State/Province	MO
Postal Code	63105	Country i	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	27789		
Email Address	ccmlaw@socket.net	Add Email	Remove Email

Application Information:

Title of the Invention	PARKING STATUS SYSTEM		
Attorney Docket Number	837	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)		Suggested Figure for Publication (if any)	

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CORRECTED ADS 06/14/15

PTO/AIA/14 (11-15)
Approved for use through 04/30/2017. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	14562149
Title of Invention	PARKING STATUS SYSTEM	

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	27789		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.
When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
14562149	Continuation in part of	13245385	2011-09-26

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CONNECTED DOS 06/14/18

PTO/AIA/14 (11-15)
Approved for use through 04/30/2017. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	14562149
Title of Invention	PARKING STATUS SYSTEM	

Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
13245385	Claims benefit of provisional	61386645	2010-09-27

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)[i] the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

			Remove
Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[j] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

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CONNECTED BDS 06/14/18

PTO/AIA/14 (11-15)
Approved for use through 04/30/2017. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	14562149
Title of Invention	PARKING STATUS SYSTEM	

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant must opt-out of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is ONLY reviewed and processed with the INITIAL filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby grants the USPTO authority to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant DOES NOT authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant DOES NOT authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

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Oracle v. Parking WW
IPR2023-00385

CORRECTED ADS 05/14/18

PTO/AIA/14 (11-15)
Approved for use through 04/30/2017. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	14582149
Title of Invention	PARKING STATUS SYSTEM	

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◯ Assignee	◯ Legal Representative under 35 U.S.C. 117	◯ Joint Inventor
◯ Person to whom the inventor is obligated to assign.	◯ Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Applicant:

Address 1			
Address 2			
City		**State/Province**	
Country		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Oracle EX1002, p. 290
Oracle v. Parking WW
IPR2023-00385

CONNECTED ADS 06/14/18

PTO/AIA/14 (11-15)
Approved for use through 04/30/2017. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	837
	Application Number	14562149
Title of Invention	PARKING STATUS SYSTEM	

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	Given Name	Middle Name	Family Name	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1			
Address 2			
City		**State/Province**	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

Signature:

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). **However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).**

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/ggbbyccm/			Date (YYYY-MM-DD)	2018-06-14
First Name	Charles	Last Name	McCloskey	Registration Number	46911

Additional Signature may be generated within this form by selecting the Add button.

Oracle EX1002, p. 291
Oracle v. Parking WW
IPR2023-00385

Electronic Acknowledgement Receipt

EFS ID:	32901021
Application Number:	14562149
International Application Number:	
Confirmation Number:	2753
Title of Invention:	PARKING STATUS SYSTEM
First Named Inventor/Applicant Name:	GILAD G. BASHANI
Customer Number:	27789
Filer:	Charles McCloskey
Filer Authorized By:	
Attorney Docket Number:	837
Receipt Date:	14-JUN-2018
Filing Date:	05-DEC-2014
Time Stamp:	15:39:54
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Petition for review by the Office of Petitions	DN837_Renewed_Petition_Correct_Priority.pdf	59316 368bf0c338a8049e3740acd66c44f5d777364d1a	no	2

Warnings:

Information:					
2	Application Data Sheet	DN837_Corrected_ADS.pdf	556789 fdabd9739f55468851b9ebc7e14b6af64392a6a7	no	6
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
			Total Files Size (in bytes):	616105	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

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United States Patent and Trademark Office
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/562,149	12/05/2014	3628	435	837	20	3

CONFIRMATION NO. 2753

CORRECTED FILING RECEIPT

27789
CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017



Date Mailed: 06/18/2018

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

GILAD G. BASHANI, City of Clayton, MO;

Applicant(s)

GILAD G. BASHANI, City of Clayton, MO;

Power of Attorney:
Charles McCloskey IV--46911

Domestic Priority data as claimed by applicant

This application is a CIP of 13/245,385 09/26/2011 ABN
which claims benefit of 61/386,645 09/27/2010

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: No

Permission to Access Search Results: No

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 12/17/2014

Oracle EX1002, p. 294
Oracle v. Parking WW
IPR2023-00385

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/562,149**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No
**** SMALL ENTITY ****
Title

PARKING STATUS SYSTEM

Preliminary Class

705

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

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Oracle v. Parking WW
IPR2023-00385

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign AssetsControl, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

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SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit http://www.SelectUSA.gov or call +1-202-482-6800.

Office of Petitions: Routing Sheet



Application No. 14562149

This application is being forwarded to your office for further processing. A decision has been rendered on a petition filed in this application, as indicated below. For details of this decision, please see the document PET.OP.DEC filed on the same date as this document.

- [X] **GRANTED**
- [ ] **DISMISSED**
- [ ] **DENIED**

Office of Petitions: Decision Count Sheet

Mailing Month 6

Application No. 14562149

14562149

For US serial numbers: enter number only, no slashes or commas. Ex: 10123456
For PCT: enter "51+single digit of year of filing+last 5 numbers", Ex. for PCT/US05/12345, enter 51512345

Deciding Official: Christina Donnell

Count (1) - Palm Credit 14562149

Decision: GRANT

FINANCE WORK NEEDED
☐ Select Check Box for YES

GRANT

Decision Type: 535 - 37 CFR 1.78(a)(3) & (a)(6) UNINTENTIONAL DELAY

535

Notes: please enter my renewed petition code 535 filed 06/14/18

Count (2)

Decision: n/a

FINANCE WORK NEEDED
☐ Select Check Box for YES

Decision Type: NONE

Notes:

Count (3)

Decision: n/a

FINANCE WORK NEEDED
☐ Select Check Box for YES

Decision Type: NONE

Notes:

Initials of Approving Official (if required)

If more than 3 decisions, attach 2nd count sheet & mark this box ☐

Printed on: 6/18/2018

Office of Petitions Internal Document - Ver. 5.0

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United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
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CONFIRMATION NO. 2753

CORRECTED FILING RECEIPT

27789
CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

Date Mailed: 06/18/2018

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Inventor(s)

GILAD G. BASHANI, City of Clayton, MO;

Applicant(s)

GILAD G. BASHANI, City of Clayton, MO;

Power of Attorney:
Charles McCloskey IV--46911

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If Required, Foreign Filing License Granted: 12/17/2014

Oracle EX1002, p. 299
Oracle v. Parking WW
IPR2023-00385

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/562,149**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No
** **SMALL ENTITY** **
Title

PARKING STATUS SYSTEM

Preliminary Class

705

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

Oracle EX1002, p. 300
Oracle v. Parking WW
IPR2023-00385

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign AssetsControl, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit http://www.SelectUSA.gov or call +1-202-482-6800.

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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/562,149	12/05/2014	GILAD G. BASHANI	837	2753

27789 7590 06/19/2018
CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

EXAMINER	
MOLNAR, HUNTER A	

ART UNIT	PAPER NUMBER
3628	

MAIL DATE	DELIVERY MODE
06/19/2018	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Oracle v. Parking WW
IPR2023-00385

UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

In re Application of	:	
GILAD G. BASHANI	:	DECISION ON PETITION
Application No. 14/562,149	:	
Filed: December 5, 2014	:	
Attorney Docket No. 837	:	

This is a decision on the renewed petition under 37 CFR 1.78(c) and 37 CFR 1.78(e) filed June 14, 2018, to accept unintentionally delayed claims under 35 U.S.C. 119(e) and 35 U.S.C. 120 for the benefit of prior-filed provisional and nonprovisional applications as set forth in the accompanying corrected Application Data Sheet (ADS).

If the reference required by 35 U.S.C. 119(e) and 35 U.S.C. 120 and 37 CFR 1.78(a)(3) and 37 CFR 1.78(d)(2) is presented after the time period provided by 37 CFR 1.78(a)(4) and 37 CFR 1.78(d)(3), the claim under 35 U.S.C. 119(e) and 35 U.S.C. 120 for the benefit of a prior-filed provisional and nonprovisional applications may be accepted if the reference required by 37 CFR 1.78(a)(3) and 37 CFR 1.78(d)(2) was unintentionally delayed. A petition to accept an unintentionally delayed claim under 35 U.S.C. 119(e) and 35 U.S.C. 120 for the benefit of prior-filed provisional and nonprovisional applications must be accompanied by:

(1) The reference required by 35 U.S.C. 119(e) and 35 U.S.C. 120 and 37 CFR 1.78(a)(3) and 37 CFR 1.78(d)(2) to the prior-filed applications, unless previously submitted. The reference must be included in an application data sheet (§ 1.76(b)(5));

(2) The petition fee as set forth in § 1.17(m); and

(3) A statement that the entire delay between the date the benefit claim was due under 37 CFR 1.78(a)(4) and 37 CFR 1.78(d)(3) and the date the benefit claim was filed was unintentional. The Director may require additional information where there is a question whether the delay was unintentional.

As the present petition satisfies all the above requirements, the claims under 35 U.S.C. 119(e) and 35 U.S.C. 120 for the benefit of the prior-filed applications are accepted as being unintentionally delayed. The petition is **GRANTED**.

Applicant is advised that this decision grants the petition to accept the unintentionally delayed domestic benefit claims to the prior filed applications because the petition requirements of 37 CFR 1.78(c) and 1.78(e) and the formal requirements for claiming domestic benefit (*see* MPEP 211.01 *et. seq.*) have been met. This acceptance should not be construed as meaning that this application is entitled to the benefit of the prior-filed applications. Whether a claimed invention

in a nonprovisional application is entitled to the benefit of the filing date of a prior-filed application on the basis of the disclosure thereof is determined during examination if it becomes necessary to do so (*e.g.,* intervening reference and interference proceeding). *See* MPEP 211.05.

A corrected Filing Receipt, which includes the benefit claims of the prior-filed applications, accompanies this decision on petition.

This application is being forwarded to Technology Center Art Unit 3628.

Any questions concerning this matter may be directed to the undersigned at (571) 272-3211.

/Christina Tartera Donnell/

Christina Tartera Donnell
Attorney Advisor
Office of Petitions

Enclosure: Corrected Filing Receipt

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/562,149	12/05/2014	GILAD G. BASHANI	837

CONFIRMATION NO. 2753

27789
CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

PUB REQUEST ACCEPTANCE LETTER

OC000000100484986

Date Mailed: 06/21/2018

NOTICE OF ACCEPTANCE OF PUBLICATION REQUEST

The request for voluntary publication, amended publication, early publication, redacted publication, republication, corrected publication or revised publication has been received for this application. The request, including payment of any necessary fee(s), is in compliance with 37 CFR 1.215, 1.217, 1.219 or 1.221.

The projected publication date is 09/27/2018.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/npfarmer/

Oracle EX1002, p. 305
Oracle v. Parking WW
IPR2023-00385

Doc Code: MES.GIB
Document Description: Certification of Micro Entity Status (Gross Income Basis)

PTO/SB/15A (09-12)

CERTIFICATION OF MICRO ENTITY STATUS
(GROSS INCOME BASIS)

Application Number or Control Number (if applicable):	Patent Number (if applicable):
First Named Inventor: Bashani, Gilad G.	**Title of Invention:** Parking Status System

The applicant hereby certifies the following—

(1) **SMALL ENTITY REQUIREMENT** - The applicant qualifies as a small entity as defined in 37 CFR 1.27.

(2) **APPLICATION FILING LIMIT** - Neither the applicant nor the inventor nor a joint inventor has been named as the inventor or a joint inventor on more than four previously filed U.S. patent applications, excluding provisional applications and international applications under the Patent Cooperation Treaty (PCT) for which the basic national fee under 37 CFR 1.492(a) was not paid, and also excluding patent applications for which the applicant has assigned all ownership rights or is obligated to assign all ownership rights as a result of the applicant's previous employment.

(3) **GROSS INCOME LIMIT ON APPLICANTS AND INVENTORS** - Neither the applicant nor the inventor nor a joint inventor, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986 (26 U.S.C. 61(a)), exceeding the "Maximum Qualifying Gross Income" reported on the USPTO website at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.

(4) **GROSS INCOME LIMIT ON PARTIES WITH AN "OWNERSHIP INTEREST"** - Neither the applicant nor the inventor nor a joint inventor has assigned, granted, or conveyed, nor is under an obligation by contract or law to assign, grant, or convey, a license or other ownership interest in the application concerned to an entity that, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986, exceeding the "Maximum Qualifying Gross Income" reported on the USPTO website at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.

SIGNATURE by a party set forth in 37 CFR 1.33(b)

Signature					
Name	Gilad G. Bashani				
Date	11/26/2014	Telephone	3145677800	Registration No.	n/a

☐ There is more than one inventor and I am one of the inventors who are jointly identified as the applicant. Additional certification form(s) signed by the other joint inventor(s) are included with this form.

Electronic Patent Application Fee Transmittal

Application Number:	14562149
Filing Date:	05-Dec-2014
Title of Invention:	PARKING STATUS SYSTEM
First Named Inventor/Applicant Name:	GILAD G. BASHANI
Filer:	Charles McCloskey
Attorney Docket Number:	837

Filed as Micro Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 1 month with $0 paid	3251	1	50	50
Miscellaneous:				
			Total in USD ($)	**50**

Electronic Acknowledgement Receipt	
EFS ID:	33604966
Application Number:	14562149
International Application Number:	
Confirmation Number:	2753
Title of Invention:	PARKING STATUS SYSTEM
First Named Inventor/Applicant Name:	GILAD G. BASHANI
Customer Number:	27789
Filer:	Charles McCloskey
Filer Authorized By:	
Attorney Docket Number:	837
Receipt Date:	31-AUG-2018
Filing Date:	05-DEC-2014
Time Stamp:	15:56:12
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$50
RAM confirmation Number	090418INTEFSW15574700
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment/Req. Reconsideration-After Non-Final Reject	DN837_Amend_A.pdf	72424 8267312d375843a602c4d3065733e37d58590e0f	no	7
Warnings:					
Information:					
2	Miscellaneous Incoming Letter	DN837_b_decision_on_petition.pdf	115856 e1c6bf695c7456bf777af7391d78990c6f9d736f	no	3
Warnings:					
Information:					
3	Miscellaneous Incoming Letter	DN837_corrected_filing_receipt.pdf	195970 23c3fb95eb0c59bc2d467dfa19efad50c55e086a	no	3
Warnings:					
Information:					
4	Certification of Micro Entity (Gross Income Basis)	DN391_micro_signed.pdf	1028712 0778dd06736df6fbc12d89f94e1bc0e0305a18fa	no	1
Warnings:					
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	30611 5f0cdfed5ee12e036e394e1ac70b8ffa1cad0667	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1443573		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/562,149	12/05/2014	GILAD G. BASHANI	837	2753

27789 7590 06/19/2018

CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

EXAMINER
MOLNAR, HUNTER A

ART UNIT	PAPER NUMBER
3628	

MAIL DATE	DELIVERY MODE
06/19/2018	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Oracle EX1002, p. 312
Oracle v. Parking WW
IPR2023-00385

UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

In re Application of	:	
GILAD G. BASHANI	:	DECISION ON PETITION
Application No. 14/562,149	:	
Filed: December 5, 2014	:	
Attorney Docket No. 837	:	

This is a decision on the renewed petition under 37 CFR 1.78(c) and 37 CFR 1.78(e) filed June 14, 2018, to accept unintentionally delayed claims under 35 U.S.C. 119(e) and 35 U.S.C. 120 for the benefit of prior-filed provisional and nonprovisional applications as set forth in the accompanying corrected Application Data Sheet (ADS).

If the reference required by 35 U.S.C. 119(e) and 35 U.S.C. 120 and 37 CFR 1.78(a)(3) and 37 CFR 1.78(d)(2) is presented after the time period provided by 37 CFR 1.78(a)(4) and 37 CFR 1.78(d)(3), the claim under 35 U.S.C. 119(e) and 35 U.S.C. 120 for the benefit of a prior-filed provisional and nonprovisional applications may be accepted if the reference required by 37 CFR 1.78(a)(3) and 37 CFR 1.78(d)(2) was unintentionally delayed. A petition to accept an unintentionally delayed claim under 35 U.S.C. 119(e) and 35 U.S.C. 120 for the benefit of prior-filed provisional and nonprovisional applications must be accompanied by:

> (1) The reference required by 35 U.S.C. 119(e) and 35 U.S.C. 120 and 37 CFR 1.78(a)(3) and 37 CFR 1.78(d)(2) to the prior-filed applications, unless previously submitted. The reference must be included in an application data sheet (§ 1.76(b)(5));
>
> (2) The petition fee as set forth in § 1.17(m); and
>
> (3) A statement that the entire delay between the date the benefit claim was due under 37 CFR 1.78(a)(4) and 37 CFR 1.78(d)(3) and the date the benefit claim was filed was unintentional. The Director may require additional information where there is a question whether the delay was unintentional.

As the present petition satisfies all the above requirements, the claims under 35 U.S.C. 119(e) and 35 U.S.C. 120 for the benefit of the prior-filed applications are accepted as being unintentionally delayed. The petition is **GRANTED**.

Applicant is advised that this decision grants the petition to accept the unintentionally delayed domestic benefit claims to the prior filed applications because the petition requirements of 37 CFR 1.78(c) and 1.78(e) and the formal requirements for claiming domestic benefit (*see* MPEP 211.01 *et. seq.*) have been met. This acceptance should not be construed as meaning that this application is entitled to the benefit of the prior-filed applications. Whether a claimed invention

in a nonprovisional application is entitled to the benefit of the filing date of a prior-filed application on the basis of the disclosure thereof is determined during examination if it becomes necessary to do so (*e.g.*, intervening reference and interference proceeding). *See* MPEP 211.05.

A corrected Filing Receipt, which includes the benefit claims of the prior-filed applications, accompanies this decision on petition.

This application is being forwarded to Technology Center Art Unit 3628.

Any questions concerning this matter may be directed to the undersigned at (571) 272-3211.

/Christina Tartera Donnell/

Christina Tartera Donnell
Attorney Advisor
Office of Petitions

Enclosure: Corrected Filing Receipt

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	TOT CLAIMS	IND CLAIMS
14/562,149	12/05/2014	3628	435	837	20	3

CONFIRMATION NO. 2753

CORRECTED FILING RECEIPT

27789
CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

Date Mailed: 06/18/2018

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

GILAD G. BASHANI, City of Clayton, MO;

Applicant(s)

GILAD G. BASHANI, City of Clayton, MO;

Power of Attorney:
Charles McCloskey IV--46911

Domestic Priority data as claimed by applicant

This application is a CIP of 13/245,385 09/26/2011 ABN
which claims benefit of 61/386,645 09/27/2010

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: No

Permission to Access Search Results: No

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 12/17/2014

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Oracle v. Parking WW
IPR2023-00385

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/562,149**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No
**** SMALL ENTITY ****
Title

PARKING STATUS SYSTEM

Preliminary Class

705

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

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IPR2023-00385

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign AssetsControl, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit http://www.SelectUSA.gov or call +1-202-482-6800.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Bashani, Gilad G.	**GAU: 3628**
SERIAL NO: 14/562149	**EXAMINER: Molnar, Hunter A.**
FILED: 12/05/2014	**St. Louis, Missouri**
FOR: Parking Status System	**Date: 08/31/2018**
	DN: 837

Mail Stop: Amendment
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

AMENDMENT A

Sir:

This is in response to the First Action Interview Office Action Summary dated 06/14/18 and its preceding Interview of 10/27/17. Because this Amendment is submitted within one month of the shortened statutory reply period, a one month extension fee is provided.

A Decision on Petition is provided as an appendix.

A Corrected Filing Receipt is provided as an appendix

Remarks begin on page 6.

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Oracle v. Parking WW
IPR2023-00385

CLAIMS

Please amend the claims as follows:

1. (previously presented) A method for representing the parking status of a plurality of parking spaces to a screen of a user's portable electronic device upon a real time camera view, any of said at least one parking space being one of PAID for current payment and UNPAID upon exhaustion of payment, any of a plurality of subscribers utilizing said method to reserve at least one of the plurality of parking spaces and then to pay for at least one of the plurality of parking spaces, the method comprising:

assembling a database upon a computer of said plurality of parking spaces, said database including geographic locations of said plurality of parking spaces and time limits applicable to each of said plurality of parking spaces;

updating a database upon a computer of subscribers, said database including a list of parking spaces reserved by each subscriber, a list of parking spaces paid for by each subscriber, and a list of the expiration times for each paid for parking space of each subscriber;

calculating a location of said user, said calculating a location of said user adapted to utilize a location finding feature of said user's portable electronic device;

determining upon a computer a location of one of said plurality of parking spaces by comparing the location of said user to said database of said plurality of parking spaces and selecting one of said plurality of parking spaces within eight to ten feet of the position of said user;

comparing upon a computer the location of one of said plurality of parking spaces with said database of subscribers further comprising comparing upon a computer the location of one of said plurality of parking spaces against said list of parking spaces paid for by said subscribers for a match between said location and said list of parking spaces paid for by said subscribers;

upon detecting a match between said location and said list of parking spaces paid for by said subscribers, comparing the matched parking spaces to

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Oracle v. Parking WW
IPR2023-00385

said list of expiration times and upon detecting the matched parking spaces exceeding an expiration time displaying upon said user's screen an UNPAID payment indicia upon an image of the matched parking space, wherein the user may execute enforcement measures upon any vehicle in said matched parking space showing said UNPAID indicia;

wherein said method transforms upon a computer location data of said plurality of parking spaces and payment status data of said plurality of parking spaces into indicia of UNPAID parking spaces;

said comparing the matched parking space to said list of expiration times and upon detecting the matched parking space exceeding an expiration time and said method places said indicia of UNPAID on an image of a matched parking space upon the real time camera view on the screen of a user's device for enforcement.

2. (cancelled)

3. (original) The method for representing the parking status of claim 1 further comprising:

opening an account for each of said subscribers wherein said account permits each of said subscribers to reserve at least one of said plurality of parking spaces and permits each of said subscribers to pay for at least one of said plurality of parking spaces utilizing means of electronic payment.

4-5. (cancelled)

6. (previously presented) The method for representing the parking status of claim 1 further comprising:

said indicia of UNPAID overlaying upon said user's screen one of the word UNPAID, a colored logo, a circle with a bar, and a letter X.

7. (cancelled)

8. (previously presented) The method for representing the parking status of claim 1 further comprising:

said indicia of UNPAID including an audible recitation.

9-11. (cancelled)

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Oracle v. Parking WW
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12. (previously presented) A method for representing the parking status of a plurality of parking spaces to a screen of a user's portable electronic device upon a real time camera view, any of said at least one parking space being one of PAID for current payment and UNPAID upon exhaustion of payment, any of a plurality of subscribers utilizing said method to reserve at least one of the plurality of parking spaces and then to pay for at least one of the plurality of parking spaces, the method comprising:

assembling a database of said plurality of parking spaces, said database including geographic locations of said plurality of parking spaces and time limits applicable to each of said plurality of parking spaces and storing said parking space database upon a computer server;

updating a database of subscribers, said database including a list of parking spaces reserved by each subscriber, a list of parking spaces paid for by each subscriber, a list of the expiration times for each paid for parking space of each subscriber, and storing said subscriber database upon a computer server, and further including enrolling each of said subscribers into a membership plan for parking payment;

calculating a location of said user, said calculating a location of said user adapted to utilize a location finding feature of said user's portable electronic device;

determining upon a computer server a location of one of said plurality of parking spaces by comparing the location of said user to said database of said plurality of parking spaces and selecting one of said plurality of parking spaces within eight to ten feet of the position of said user;

comparing upon a computer server the location of one of said plurality of parking spaces with said database of subscribers further comprising comparing upon a computer the location of one of said plurality of parking spaces against said list of parking spaces paid for by said subscribers for a match between said location and said list of parking spaces paid for by said subscribers wherein upon detecting a match between said location and said list of parking spaces paid for

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by said subscriber, comparing the matched parking space to said list of expiration times and further upon detecting the matched parking spaces exceeding an expiration time displaying upon said user's screen an UNPAID indicia upon an image of the matched parking space, wherein the user may execute enforcement measures upon any vehicle in said matched parking space showing said UNPAID indicia;

wherein said method transforms upon a computer location data of said plurality of parking spaces and payment status data of said plurality of parking spaces into indicia of UNPAID parking spaces;

said comparing the matched parking space to said list of expiration times and upon detecting the matched parking space exceeding an expiration time and said method places said indicia of UNPAID on an image of a matched parking space upon the real time camera view on the screen of a user's device for enforcement.

13. (previously presented) The method for representing the parking status of claim 12 further comprising:

wherein said indicia of UNPAID includes one of the word UNPAID, a colored logo, a circle with a bar, and a letter X.

14. (cancelled)

15. (previously presented) The method for representing the parking status of claim 12 wherein said indicia of UNPAID includes an audible signal transmitted from a computer server to the user's portable electronic device.

16-20. (cancelled)

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REMARKS

Previously, the Applicant filed this non-provisional, continuation in part application. The Examiner mailed a First Action Interview Office Action Summary dated 06/14/18. The Office of Petitions mailed a Decision on Petition dated 06/19/18. We are pleased the PALM database was repaired after its lengthy outage. We trust things are returning to normal for you. In this amendment, the Applicant has retained the claims of the 10/31/17 Supplemental Amendment. Thus, claim 3 is as original and claims 1, 6, 8, 12, 13, 15 are as previously presented.

First, the Applicant adopts and concurs with the Applicant Initiated Interview Summary dated 6/14/18 provided by the Examiner.

Second, in the Summary, the Examiner has noted withdrawal of objections to claims 1, 6, 9, 12, 17, of 112(b) rejections of claims 1, 4, 5, 12, of the 101 rejection of claims 1-20, and 103 rejections of the cancelled claims over Bashani and Fraier.

Third, the Summary implies that 103 rejections for claims 1, 3, 6, 8, 12, 13, 15 may remain over Bashani. In para. 7, page 3 of the Summary, the Examiner noted correcting the priority claim would make the Bashani reference unavailable as prior art against any claims entitled to the claimed priority date. The Applicant is pleased to report the Decision on Petition of 06/19/18 accepted a delayed claim to priority thus correcting the claim to priority of this application through application no. 13/245,385 to application no. 61/386,645 and its filing date of 9/27/2010. The Applicant has provided the Decision on Petition and Corrected Filing Receipt as an appendix to this Amendment. The Applicant hereby requests withdrawal of the 103 rejections of claims 1, 3, 6, 8, 12, 13, 15.

Fourth, the Examiner has noted that 102(a) rejections remain of claims 1, 3, 6, 8, 12, 13, 15 as anticipated by Bashani. In para. 7, page 3 of the Summary, the Examiner noted correcting the priority claim would make the Bashani reference unavailable as prior art against any claims entitled to the claimed priority date. In para. 10, page 4 of the Summary, the Examiner noted if the claim

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to priority to application no. 13/245,385 which claims priority to provisional application no. 61/386,645 be corrected then Bashani would no longer be applied and the 102(a) rejections would be withdrawn. As mentioned above, the Decision on Petition of 6/19/18 accepted a delayed claim to priority thus correcting the claim to priority of this application through application no. 13/245,385 back through application no. 61/386,645 and its filing date of 9/27/2010. The Applicant has provided the Decision on Petition and Corrected Filing Receipt as an appendix to this Amendment. The Applicant hereby requests withdrawal of the 102(a) rejections of claims 1, 3, 6, 8, 12, 13, 15.

The specification, amended claims, and drawings now active in this application are believed to be in condition for allowance. If this application is not considered by the Examiner to be in a form for allowance and to expedite the process, Applicant's counsel respectfully requests the Examiner to telephone the undersigned so that any objections may be resolved before mailing of an Office Action. Favorable action by the examiner is respectfully requested.

Respectfully Submitted,



Charles C. McCloskey
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13321 N. Outer 40 Rd. Ste. 100
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PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 14/562,149	Filing Date 12/05/2014	☐ To be Mailed

ENTITY: ☐ LARGE ☐ SMALL ☒ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	08/31/2018	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 7	Minus	** 20	= 0	X $25 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	X $115 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	**0**

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
CORALIA BETANCOURT

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/562,149	12/05/2014	3628	435	837	20	3

CONFIRMATION NO. 2753

CORRECTED FILING RECEIPT

27789
CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017



Date Mailed: 09/06/2018

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

GILAD G. BASHANI, City of Clayton, MO;

Applicant(s)

GILAD G. BASHANI, City of Clayton, MO;

Power of Attorney:
Charles McCloskey IV--46911

Domestic Priority data as claimed by applicant

This application is a CIP of 13/245,385 09/26/2011 ABN
which claims benefit of 61/386,645 09/27/2010

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: No

Permission to Access Search Results: No

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 12/17/2014

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The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/562,149**

Projected Publication Date: 09/27/2018

Non-Publication Request: No

Early Publication Request: No
**** MICRO ENTITY ****
Title

PARKING STATUS SYSTEM

Preliminary Class

705

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

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Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/562,149	12/05/2014	GILAD G. BASHANI	837

CONFIRMATION NO. 2753

27789
CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

PUBLICATION NOTICE

OC000000102641828

Title:PARKING STATUS SYSTEM

Publication No.US-2018-0276901-A9
Publication Date:09/27/2018

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently http://www.uspto.gov/patft/.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Public Records Division. The Public Records Division can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Public Records Division, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently https://portal.uspto.gov/pair/PublicPair. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

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NOTICE OF ALLOWANCE AND FEE(S) DUE

27789 7590 10/18/2018

CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

EXAMINER
MOLNAR, HUNTER A

ART UNIT	PAPER NUMBER
3628	

DATE MAILED: 10/18/2018

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/562,149	12/05/2014	GILAD G. BASHANI	837	2753

TITLE OF INVENTION: PARKING STATUS SYSTEM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	MICRO	$250	$0.00	$0.00	$250	01/18/2019

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
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Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

27789 7590 10/18/2018
CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/562,149	12/05/2014	GILAD G. BASHANI	837	2753

TITLE OF INVENTION: PARKING STATUS SYSTEM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	MICRO	$250	$0.00	$0.00	$250	01/18/2019

EXAMINER	ART UNIT	CLASS-SUBCLASS
MOLNAR, HUNTER A	3628	705-013000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. Fees submitted: ❑Issue Fee ❑Publication Fee (if required) ❑Advance Order - # of Copies _____

4b. Method of Payment: *(Please first reapply any previously paid fee shown above)*

❑ Electronic Payment via EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. **Change in Entity Status** (from status indicated above)

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/562,149	12/05/2014	GILAD G. BASHANI	837	2753

27789 7590 10/18/2018

CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

EXAMINER	
MOLNAR, HUNTER A	
ART UNIT	PAPER NUMBER
3628	

DATE MAILED: 10/18/2018

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

PTOL-85 (Rev. 02/11)

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OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	**Application No.** 14/562,149	**Applicant(s)** BASHANI, GILAD G.	
	Examiner Hunter Molnar	**Art Unit** 3628	**AIA Status** Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to communications filed 8/31/2018.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☑ The allowed claim(s) is/are 1,3,6,8,12-13 and 15 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information , please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☐ All b) ☐ Some *c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file areply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☑ Notice of References Cited (PTO-892)
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/HUNTER A MOLNAR/ Examiner, Art Unit 3628	/KEVIN H FLYNN/ Supervisory Patent Examiner, Art Unit 3628

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DETAILED ACTION

Notice of AIA Status

1. The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Allowable Subject Matter

2. Claims 1, 3, 6, 8, 12, 13, and 15 are allowed.

3. The following is an examiner's statement of reasons for allowance:

Priority: The subject matter presented in all of claims 1, 3, 6, 8, 12, 13, and 15 is supported by provisional patent application no. 61/386,645 (provisional for non-provisional application no. 13245385) filed 9/27/2010.

With respect to § 101, and as indicated in the previous non-final office action, the claimed invention provides a specific method of using a parking devices that combines parking data from a variety of sources with augmented reality technology to overlay the display of a real-time parking space for identifying vehicles in a parking location with an expired parking time, thereby using a significant number of technological elements in a particular arrangement that amounts to more than a conventional use of technology to implement a parking enforcement system.

With respect to the prior art, the approved petition decision, establishing a priority date of 9/27/2010 for all claims in the current application, overcomes the § 102 rejection over the previously applied Bashani reference as disqualifies the reference as prior art. See further discussion of the other relevant prior art below, which fails to teach all of the limitations of independent claims 1 and 12.

WO2005086097 to Fraier teaches, generally:

- parking enforcement with a mobile electronic device used by a parking inspector to identify unpaid spots (Fraier: Fig. 4 and Pg. 20 lines 17-23)

- subscribers that reserve and pay for the parking spaces (Fraier: Pg. 24 lines 1-18)
- a parking status registry storing parking space information/payment status IDs/parking space IDs that identify the parking space location (Fraier: Pg. 16 line 29 – Pg. 17 line 6; Pg. 18 line 28 – Pg. 19 line 6)
- a subscriber/customer database that is updated with information including parking spaces reserved by each subscriber (Fraier:
- using a location finding feature of the user's mobile device to identify and present vacant/occupied parking spaces on the user/ parking inspector's mobile device (Fraier: Pg. 26 lines 6-25)

However, Fraier does not teach any of a *real-time camera view* showing the parking status of a plurality of parking spaces, comparing a location of the parking enforcement mobile device to a list of parking spaces within 8 to 10 feet of the user, comparing the identified list of parking spaces to a list of expired spaces to determine parking spaces that exceed their respective expiration time, and displaying PAID/UNPAID indicia overlaid upon a real-time camera view on the screen of a user's mobile device in response to the detection of the expired matched parking spaces.

US 20020109610 A1 to Katz teaches a meter monitor device used by a meter monitor (i.e. "user") which provides an indication on the device of parking space meters in violation status and provides a route to the spaces (Katz: ¶ 0018-0019, ¶ 0050-0052) but does not otherwise cure the deficiencies of Fraier above, does not include a real time camera view, and does not overlay indicia upon the real time camera view.

US 20110099126 A1 to Belani et al. teaches a system for identifying and enforcing parking violations in real-time using portable devices wherein the monitoring information presents the real-time status of a number of parking spaces (Belani: Abstract, ¶ 0092, ¶ 0129), and teaches augmenting views of current parking spaces with information such as an elapsed

time (Belani: ¶ 0078), but does not teach using a location of the parking device compared to a location of parking spaces to identify and display information/indicia over a real time camera view corresponding to unpaid parking spaces.

WO 2002063243 A1 to Huckle teaches a three dimensional navigation view as a user device is traveling, wherein the three dimensional view of in the form of photographs or photograph like images (i.e. a real time camera view), but the view has no relation to the determination of nearby parking spaces within 8 to 10 feet or parking spaces that are in an expired/unpaid status, and does not otherwise cure the deficiencies of Fraier and Katz above.

NPL reference U (see most recent PTO-892) teaches a parking enforcement system that can identify offenders in real-time using a camera and can identify vehicles from up to 8 feet away, but does not teach providing a real-time camera view on a display screen or providing an overlay on the real time camera view identifying unpaid vehicles/parking spaces (generally see full text).

None of the above and/or previously cited references, alone or in combination, teach all of the limitations of independent claims 1 or 12. Therefore, **claims 1 and 12** are novel and non-obvious over the prior art. Dependent **claims 3, 6, 8, 13, and 15** are also novel/non-obvious as they depend from independent claims 1 and 12.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hunter Molnar whose telephone number is (571)272-8271. The examiner can normally be reached on Monday - Friday, 8:00 - 5:00 EST.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Flynn can be reached on (571)270-3108. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/HUNTER A MOLNAR/
Examiner, Art Unit 3628

/KEVIN H FLYNN/
Supervisory Patent Examiner, Art Unit 3628

Notice of References Cited	Application/Control No. 14/562,149	Applicant(s)/Patent Under Reexamination BASHANI, GILAD G.	
	Examiner Hunter Molnar	Art Unit 3628	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20110099126-A1	04-2011	Belani; Eshwar	G06Q30/0284	705/418
	B					
	C					
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N	WO-02063243-A1	08-2002	WO	HUCKLE NEIL	G01C21/20
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	V100 GPS compass in parking enforcement. (April 2010). Bev-AL Communications, Inc., Vol. 9, Issue 4, pg. 6. (Year: 2010)
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/562,149	BASHANI, GILAD G.
	Examiner	**Art Unit**
	Hunter Molnar	3628

CPC							
Symbol						**Type**	**Version**
G07B	/	15	/	00		F	2013-01-01

CPC Combination Sets								
Symbol						**Type**	**Set**	**Ranking**	**Version**
	/		/						

/HUNTER A MOLNAR/ Examiner, Art Unit 3628	18 September 2018	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	7	
/KEVIN H FLYNN/ SPE, Art Unit 3628	21 September 2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	7

U.S. Patent and Trademark Office — Part of Paper No.: 20180917

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/562,149	BASHANI, GILAD G.
	Examiner	**Art Unit**
	Hunter Molnar	3628

INTERNATIONAL CLASSIFICATION					
CLAIMED					
G07B	/	15	/	02	
G07B	/	15	/	00	

NON-CLAIMED					
	/		/		

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
705	13

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					

/HUNTER A MOLNAR/ Examiner, Art Unit 3628	18 September 2018	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	7	
/KEVIN H FLYNN/ SPE, Art Unit 3628	21 September 2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	7

U.S. Patent and Trademark Office — Part of Paper No.: 20180917

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/562,149	BASHANI, GILAD G.
	Examiner	**Art Unit**
	Hunter Molnar	3628

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1														
2	3														
3	6														
4	8														
5	12														
6	13														
7	15														

/HUNTER A MOLNAR/ Examiner, Art Unit 3628	18 September 2018	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	7	
/KEVIN H FLYNN/ SPE, Art Unit 3628	21 September 2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	7

U.S. Patent and Trademark Office — Part of Paper No.: 20180917

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/562,149	BASHANI, GILAD G.
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✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	08/01/2017	06/13/2018	09/18/2018						
	1	✓	✓	=						
	2	✓	-	-						
	3	✓	✓	=						
	4	✓	-	-						
	5	✓	-	-						
	6	✓	✓	=						
	7	✓	-	-						
	8	✓	✓	=						
	9	✓	-	-						
	10	✓	-	-						
	11	✓	-	-						
	12	✓	✓	=						
	13	✓	✓	=						
	14	✓	-	-						
	15	✓	✓	=						
	16	✓	-	-						
	17	✓	-	-						
	18	✓	-	-						
	19	✓	-	-						
	20	✓	-	-						

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/562,149	BASHANI, GILAD G.
	Examiner	Art Unit
	Hunter Molnar	3628

CPC - Searched*		
Symbol	Date	Examiner
G07B15/00	08/01/2017	HM
G07B15/02	08/01/2017	HM

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
705	013	08/01/2017	HM

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
East Search (CPC, text, text limited by CPC)	08/01/2017	HM
Inventor search (PE2E/PALM)	08/01/2017	HM
Brief updated east search above	06/13/2018	HM
IP.com search query (Patents/Publications US and foreign)	06/13/2018	HM
Updated EAST search above (incl. US & foreign databases, and interference)	09/18/2018	HM
NPL search (ProQuest Dialog)	09/18/2018	HM
Updated Inventor/assignee search	09/18/2018	HM

/H.M./ Examiner, Art Unit 3628	

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/562,149	BASHANI, GILAD G.
	Examiner	Art Unit
	Hunter Molnar	3628

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
G07B	15/00	09/18/2018	HM
G07B	15/02	09/18/2018	HM

/H.M./ Examiner, Art Unit 3628	

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	("20020109610" | "20060028708" | "20080055050" | "20090073191" | "20110099126" | "20120030727").PN.	US-PGPUB; USPAT	OR	ON	2017/07/14 11:31
S2	12	("20020109610" | "20040068433" | "20060028708" | "20060244677" | "20080021770" | "20080055050" | "20080218383" | "20090073191" | "20110099126" | "20120030727" | "6927700" | "7764247").PN.	US-PGPUB; USPAT	OR	ON	2017/07/14 11:31
S3	82	("20030074132" | "20070126739" | "20100017118" | "20100228473" | "20110062230" | "20110178703" | "20130135118" | "20140067492" | "20140257949" | "20140310073" | "7237716" | "8816880" | "9064416" | "9082134")".PN.'"	US-PGPUB; USPAT	OR	ON	2017/07/17 11:13
S4	165	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 location	US-PGPUB; USPAT	OR	ON	2017/07/17 11:16
S6	98	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 (space or location) and (G06Q2240$.cpc. or G07B15$.cpc.)	US-PGPUB; USPAT	OR	ON	2017/07/17 11:19
S7	10	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 (space or location) and (G06Q2240$.cpc. or G07B15$.cpc.) and @pd <"20110926"	US-PGPUB; USPAT	OR	ON	2017/07/17 11:24
S8	10	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 (space or location) and (G06Q2240$.cpc. or G07B15$.cpc.) and @pd<"20110926"	US-PGPUB; USPAT	OR	ON	2017/07/17 11:24
S9	0	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/17 11:37

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		(space or location) and (G06Q2240$.cpc. or G07B15$.cpc.) and @pd < "20110926"				
S10	20	"2005086097"	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/17 11:37
S11	6	"2005086097".pn.	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/17 11:37
S12	1	"20110099126".pn.	US-PGPUB; USPAT	OR	ON	2017/07/17 11:38
S13	1	"20020109610".pn.	US-PGPUB; USPAT	OR	ON	2017/07/17 11:41
S14	62	("20020067264" | "20020185542" | "20030075608" | "20030189493" | "20040066296" | "20040119605" | "20050183990" | "20050200476" | "20050203798" | "20050234774" | "20050243784" | "20050284941" | "20060119481" | "20060145880" | "20060186201" | "20060284839" | "20070018832" | "20070021197" | "20070030151" | "20070057469" | "20070075148" | "20070075861" | "20070096906" | "20070109101" | "20070126578" | "20070136218" | "20070152829" | "20070164863" | "20070175972" | "20070296599" | "20080113767" | "20090033463" | "20090085721" | "20090167699" | "20090309086" | "20100063652" | "20100097195" | "20100114426" | "20100123581" | "20100171592" | "20100177993" | "20100271187" | "20100308964" | "20100308975" | "20110163850" | "20110227748" | "20110266342" | "20110285507" | "20130314207" | "20140061303" | "20140061382" | "20140176307" | "20140232519" | "20150357948" | "6366242" | "6531964" | "8169303" | "8482412" | "8542834" | "8556178" | "8893969" | "9405948").PN.	US-PGPUB; USPAT	OR	ON	2017/07/17 13:35
S15	1474	camera near10 (vehicle or space) near10 display and parking near10 (system)	US-PGPUB; USPAT	OR	ON	2017/07/17 13:47
S16	111	camera near10 (vehicle or space) near10 display and parking near10 (system) and (G06Q$.cpc. or G07B15$.cpc.)	US-PGPUB; USPAT	OR	ON	2017/07/17 13:48
S17	1	(account or profile) near10 (compar$4 or match$4) near10 (unpaid or paid or expired) same parking	US-PGPUB; USPAT	OR	ON	2017/07/17 15:27
S18	66	(account or profile) near10 (compar$4 or match$4) near10 parking	US-PGPUB; USPAT	OR	ON	2017/07/17 15:34
S19	11230667	(account or profile) near10 (compar$4 or match$4) near10 parking @pd< "20110216"	US-PGPUB; USPAT	OR	ON	2017/07/17 15:35

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S20	25	(account or profile) near10 (compar$4 or match$4) near10 parking and @pd<"20110216"	US-PGPUB; USPAT	OR	ON	2017/07/17 15:35
S21	1	"20100026522".pn.	US-PGPUB; USPAT	OR	ON	2017/07/17 15:39
S22	1	"20060059037"	US-PGPUB; USPAT	OR	ON	2017/07/21 11:22
S23	1	"20040133464".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 11:22
S24	1	"20040068433".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 11:23
S25	1	"6340935".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 11:23
S26	1	"20040181496".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 11:23
S27	20	"2005086097"	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/21 11:23
S28	9	"2002063243"	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/21 11:24
S29	1	"20080055050".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 11:49
S30	1	(payment) near10 (audible or audio or sound) near10 status near20 parking	US-PGPUB; USPAT	OR	ON	2017/07/21 11:51
S31	115	(payment) near10 (audible or audio or sound) near10 parking	US-PGPUB; USPAT	OR	ON	2017/07/21 11:52
S32	1	(payment) near10 (recitation or "voice message") near10 parking	US-PGPUB; USPAT	OR	ON	2017/07/21 12:40
S33	1	(pay$6) near10 (recitation or "voice message") near10 parking	US-PGPUB; USPAT	OR	ON	2017/07/21 12:41
S34	1	(pay$6) near10 (recitation or "voice message") near10 park$5	US-PGPUB; USPAT	OR	ON	2017/07/21 12:41
S35	323	(pay$6) near10 (recitation or "voice message")	US-PGPUB; USPAT	OR	ON	2017/07/21 12:41
S36	25	(pay$6) near10 (recitation or "voice message") and parking	US-PGPUB; USPAT	OR	ON	2017/07/21 12:41
S37	46	parking near20 voice near4 (alert or alarm)	US-PGPUB; USPAT	OR	ON	2017/07/21 12:48
S38	46	S37 not S36	US-PGPUB; USPAT	OR	ON	2017/07/21 12:48
S39	442	parking near10 subscri$6	US-PGPUB; USPAT	OR	ON	2017/07/27 15:29
S40	79	parking near10 subscri$6 and (space or spot) near10 (expir$5 or unpaid or un-paid or "not paid")	US-PGPUB; USPAT	OR	ON	2017/07/27 15:29
S41	338020	(G06Q$.cpc. or G07B$.cpc.)	US-PGPUB; USPAT	OR	ON	2017/07/27 15:30
S42	52	S40 and S41	US-PGPUB; USPAT	OR	ON	2017/07/27 15:30
S43	2	S40 and S41 and @pd<"20110926"	US-PGPUB;	OR	ON	2017/07/27

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			USPAT			15:40
S44	514	(space or spot) near10 (expir$5 or unpaid or un-paid or "not paid") and S41 and @pd<"20110926"	US-PGPUB; USPAT	OR	ON	2017/07/27 15:42
S45	77	(space or spot) near10 (expir$5 or unpaid or un-paid or "not paid") and G07B$.cpc. and @pd<"20110926"	US-PGPUB; USPAT	OR	ON	2017/07/27 15:43
S46	121	compar$5 near10 (two or "2") near10 (park$4 and (cars or vehicles))	US-PGPUB; USPAT	OR	ON	2017/07/28 09:10
S47	9	compar$5 near10 (two or "2") near10 (park$4 and (cars or vehicles)) and G07B$.cpc.	US-PGPUB; USPAT	OR	ON	2017/07/28 09:11
S48	58	center near7 parking near4 (space or spot) and G07B$.cpc.	US-PGPUB; USPAT	OR	ON	2017/07/28 09:14
S49	7	location same (middle) near7 parking near4 (space or spot) and G07B$.cpc.	US-PGPUB; USPAT	OR	ON	2017/07/28 10:08
S50	129	parking near4 (space or spot) near10 (length and (center or centre or middle))	US-PGPUB; USPAT	OR	ON	2017/07/28 10:16
S51	80	parking near10 (officer or enforcement) and (augment reality or virtual reality or VR or overlay) near10 (parking)	US-PGPUB; USPAT	ADJ	ON	2018/06/13 12:05
S52	64	parking near10 (officer or enforcement) and (augment reality or virtual reality or VR or overlay or overlaid) near10 (parking) and (overla$4 near10 (image or screen))	US-PGPUB; USPAT	ADJ	ON	2018/06/13 12:08
S53	53	parking adj3 (enforcement or officer) and (overla$6) near3 (text or graphic or indicator) near6 (live or real-time or image)	US-PGPUB; USPAT	ADJ	ON	2018/06/13 12:27
S54	1	parking adj3 (enforcement or officer) and (overla$6) near3 (text or graphic or indicator) near6 (live or real-time or image) and @pd<"20100927"	US-PGPUB; USPAT	ADJ	ON	2018/06/13 12:27
S55	12	parking adj3 (enforcement or officer) and (augmented reality)	US-PGPUB; USPAT	ADJ	ON	2018/06/13 12:28
S56	53	parking near10 (device) same (expired) same (infraction or violation)	US-PGPUB; USPAT	ADJ	ON	2018/06/13 13:25
S57	102	(mobile or device) near10 (screen) same parking near4 (violation or infraction or ticket)	US-PGPUB; USPAT	ADJ	ON	2018/06/13 13:26
S58	901	sensor near10 (parking) same (commonly or conventional or well known or common)	US-PGPUB; USPAT	ADJ	ON	2018/06/13 17:19
S59	65	sensor near10 (parking) near4 (space or spot) near10 (commonly or conventional or well known or common)	US-PGPUB; USPAT	ADJ	ON	2018/06/13 17:20
S60	198	(augmented or virtual) near2 (reality) same parking	US-PGPUB; USPAT	OR	ON	2018/09/17 13:48
S61	21	(augmented or virtual) near2 (reality) same parking and @pd<"20100927"	US-PGPUB; USPAT	OR	ON	2018/09/17 14:27
S62	433	park$4 near10 enforcement and (officer or enforcement) near10	US-PGPUB; USPAT	OR	ON	2018/09/17 14:38

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		(device)				
S63	106	park$4 near10 enforcement and (officer or enforcement) near10 (device) and @pd<"20100927"	US-PGPUB; USPAT	OR	ON	2018/09/17 14:39
S64	26	park$4 near10 enforcement and (officer or enforcement) near10 (device) same2 camera and @pd<"20100927"	US-PGPUB; USPAT	OR	ON	2018/09/17 14:40
S65	280	parking near10 subscri$6	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/18 13:43
S66	50	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 (space or location)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/18 13:43
S67	11	parking near5 (enforce$5) same camera same (indicat$5 or display$4 or overlay$4 or notif$6)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/18 13:44
S68	161	parking near5 (enforce$5) same camera same (indicat$5 or display$4 or overlay$4 or notif$6)	US-PGPUB; USPAT	OR	ON	2018/09/18 13:44
S69	1208	parking same (mobile or wireless) near3 (device or terminal or phone) same camera same (indicat$5 or display$4 or overlay$4 or notif$6)	US-PGPUB; USPAT	OR	ON	2018/09/18 13:47
S70	77	parking same (mobile or wireless) near3 (device or terminal or phone) same camera same (indicat$5 or display$4 or overlay$4 or notif$6) same (unpaid or violat$4 or expired)	US-PGPUB; USPAT	OR	ON	2018/09/18 13:48
S71	11006110	parking same (mobile or wireless) near3 (device or terminal or phone) same camera same (indicat$5 or display$4 or overlay$4 or notif$6) same (unpaid or violat$4 or expired) @pd<"20100927"	US-PGPUB; USPAT	OR	ON	2018/09/18 13:48
S72	1	parking same (mobile or wireless) near3 (device or terminal or phone) same camera same (indicat$5 or display$4 or overlay$4 or notif$6) same (unpaid or violat$4 or expired) and @pd<"20100927"	US-PGPUB; USPAT	OR	ON	2018/09/18 13:49
S73	9	parking same (mobile or wireless) near3 (device or terminal or phone) same camera and (indicat$5 or display$4 or overlay$4 or notif$6) same (unpaid or violat$4 or expired) and @pd<"20100927"	US-PGPUB; USPAT	OR	ON	2018/09/18 13:50
S74	305	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 (space or location)	US-PGPUB; USPAT	OR	ON	2018/09/18 13:50

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S75	34	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture) near10 (space or location) and @pd<"20100927"	US-PGPUB; USPAT	OR	ON	2018/09/18 13:52
S76	0	G07B15/00.cpc. and (parking) near10 (enforcement or violation) same (live or real-time) near6 (camera or video or photo)	US-PGPUB; USPAT	OR	ON	2018/09/18 14:57
S77	94	G07B15/00.cpc. and (parking) near10 (enforcement or violation) same (live or real-time)	US-PGPUB; USPAT	OR	ON	2018/09/18 14:57
S78	154	G07B15/00.cpc. and (parking) near10 (enforcement or violation)	US-PGPUB; USPAT	OR	ON	2018/09/18 14:58
S79	1545	G07B15/00.cpc.	US-PGPUB; USPAT	OR	ON	2018/09/18 14:58
S80	1312	G07B15/02.cpc.	US-PGPUB; USPAT	OR	ON	2018/09/18 14:58
S81	427	G07B15/02.cpc. and (parking) near10 (enforcement or violation)	US-PGPUB; USPAT	OR	ON	2018/09/18 14:58
S82	189	G07B15/02.cpc. and (parking) near10 (enforcement or violation) same camera	US-PGPUB; USPAT	OR	ON	2018/09/18 14:58
S83	213	G07B15/02.cpc. and (parking) near10 (enforcement or violation) near10 device	US-PGPUB; USPAT	OR	ON	2018/09/18 14:58
S84	117	G07B15/00.cpc. and (parking) near10 (enforcement or violation) near10 device	US-PGPUB; USPAT	OR	ON	2018/09/18 14:59
S85	135	G07B15/00.cpc. and (enforcement) near10 (device or terminal or phone or PDA)	US-PGPUB; USPAT	OR	ON	2018/09/18 15:07
S86	104	(mobile or device) near10 (screen) same parking near4 (violation or infraction or ticket)	US-PGPUB; USPAT	ADJ	ON	2018/09/18 15:11
S87	280	parking near10 subscri$6	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/18 16:44
S88	28	(space or spot) near10 (expir$5 or unpaid or un-paid or "not paid") same (display)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/09/18 16:45
S89	0	parking near4 (enforcement) same2 augmented	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/09/18 16:51
S90	0	parking near4 (enforcement) and augmented	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2018/09/18 16:52
S91	141	parking and augmented	USOCR;	ADJ	ON	2018/09/18

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			FPRS; EPO; JPO; DERWENT; IBM_TDB			16:52

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S92	1545	G07B15/00.cpc.	US-PGPUB; USPAT	OR	ON	2018/09/18 15:06
S93	1312	G07B15/02.cpc.	US-PGPUB; USPAT	OR	ON	2018/09/18 15:06
S94	187	G07B15/00.cpc. and G07B15/02.cpc.	US-PGPUB; USPAT	OR	ON	2018/09/18 15:06
S95	227	G07B15/02.cpc. and (enforcement) near10 (device or terminal or phone or PDA)	US-PGPUB; USPAT	OR	ON	2018/09/18 15:06
S96	135	G07B15/00.cpc. and (enforcement) near10 (device or terminal or phone or PDA)	US-PGPUB; USPAT	OR	ON	2018/09/18 15:11
S97	189	G07B15/02.cpc. and (parking) near10 (enforcement or violation) same camera	US-PGPUB; USPAT	OR	ON	2018/09/18 15:11
S98	53	parking near10 (device) same (expired) same (infraction or violation)	US-PGPUB; USPAT	ADJ	ON	2018/09/18 15:11
S99	198	(augmented or virtual) near2 (reality) same parking	US-PGPUB; USPAT	OR	ON	2018/09/18 15:11
S100	3792	(space or spot) near10 (expir$5 or unpaid or un-paid or "not paid")	US-PGPUB; USPAT	OR	ON	2018/09/18 15:11
S101	68	(space or spot) near10 (expir$5 or unpaid or un-paid or "not paid") and G07B15/00.cpc.	US-PGPUB; USPAT	OR	ON	2018/09/18 15:12
S102	178	(space or spot) near10 (expir$5 or unpaid or un-paid or "not paid") and G07B15/02.cpc.	US-PGPUB; USPAT	OR	ON	2018/09/18 15:12
S103	155	parking near4 (space or spot) near10 (length and (center or centre or middle))	US-PGPUB; USPAT	OR	ON	2018/09/18 16:09
S104	21	(augmented or virtual) near2 (reality) same parking and @pd<"20100927"	US-PGPUB; USPAT	OR	ON	2018/09/18 16:09
S105	106	park$4 near10 enforcement and (officer or enforcement) near10 (device) and @pd<"20100927"	US-PGPUB; USPAT	OR	ON	2018/09/18 16:09
S106	129	camera near10 (vehicle or space) near10 display and parking near10 (system) and (G06Q$.cpc. or G07B15$.cpc.)	US-PGPUB; USPAT	OR	ON	2018/09/18 16:09
S107	207	parking near10 (management or enforcement) and (real-time or "real time" or live or current or present) near10 (view or image or feed or video or photo or picture)	US-PGPUB; USPAT	OR	ON	2018/09/18 16:09

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		near10 location					

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Search Strategy from ProQuest Dialog

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Search Strategy

Databases: ABI/INFORM® Professional Advanced, Abstracts in New Technology & Engineering, AdisInsight: Drugs, AdisInsight: Safety Reports, AdisInsight: Trials, Adis Pharmacoeconomics & Outcomes News, AGRICOLA, AGRIS, Allied & Complementary Medicine™, Analytical Abstracts, Aqualine, Aquatic Science & Fisheries Abstracts (ASFA), Australian Education Index, BIOSIS® Toxicology, BIOSIS Previews®, British Library Inside Conferences, British Nursing Index, Business & Industry, CAB ABSTRACTS, Chemical Business Newsbase, Chemical Engineering & Biotechnology Abstracts, Chemical Safety Newsbase, Civil Engineering Abstracts, Current Contents® Search, DH-DATA: Health Administration, Medical Toxicology & Environmental Health, DIOGENES® FDA Regulatory Updates, Drug Information Fulltext, Earthquake Engineering Abstracts, EconLit, Ei Compendex®, Ei EnCompassLIT, Embase®, EMCare®, ERIC, ESPICOM Pharmaceutical & Medical Device News, FDAnews, FLUIDEX (Fluid Engineering Abstracts), Foodline®: MARKET, Foodline®: PRODUCT, Foodline®: SCIENCE, FSTA®, Gale Group Computer Database™, Gale Group Health Periodicals Database, Gale Group New Product Announcements / Plus®, Gale Group Newsletter Database™, Gale Group PharmaBiomed Business Journals, Gale Group PROMT®, Gale Group Trade & Industry Database™, GEOBASE, GeoRef, Global Health, HSELINE: Health and Safety, ICONDA - International Construction Database, IMS Company Profiles, IMS New Product Focus, IMS Pharma Trademarks, IMS R&D Focus, IMS R&D Focus Drug News, Incidence & Prevalence Database, Inspec®, International Pharmaceutical Abstracts, Jane's Defense & Aerospace News, King's Fund, KOSMET: Cosmetic Science, Lancet Titles, Material Safety Datasheets -OHS™, Mechanical & Transportation Engineering Abstracts, MEDLINE®, Meteorological & Geoastrophysical Abstracts, New England Journal of Medicine, Northern Light Life Sciences Conference Abstracts, NTIS: National Technical Information Service, Oceanic Abstracts, PAIS International, Paperbase, PAPERCHEM, PIRABASE, Polymer Library, ProQuest Advanced Tech & Aerospace Professional, ProQuest Biological & Health Science Professional, ProQuest Dissertations and Theses Professional, ProQuest Environmental Science Professional, ProQuest Materials Research Professional, ProQuest Newsstand Professional, ProQuest Technology Research Professional, Prous Science Daily Essentials, Prous Science Drug Data Report, Prous Science Drugs Of The Future™, PsycINFO, Registry of Toxic Effects of Chemical Substances (RTECS®), SciSearch®: a Cited Reference Science Database, Social SciSearch®, ToxFile®, Transport Research International Documentation, TULSA™ (Petroleum Abstracts), UBM Computer Full Text, Weldasearch®, Zoological Record Plus

Set#	Searched for	Results
S1	(augmented or virtual) near/4 (reality) near/20 parking	535°
S2	(augmented or virtual) near/4 (reality) near/20 parking and enforce*	29°
S3	((augmented or virtual) near/4 (reality) near/20 parking and enforce*) and (pd(19950101-20100927))	4°
S4	(augmented or virtual) near/4 (reality) near/20 parking	535°
S5	((augmented or virtual) near/4 (reality) near/20 parking) and (pd(19950101-20100927))	214°
S6	parking near/20 enforcement and display near/20 overlay	3°
S7	overlay near/20 parking near/20 violation	13°
S8	overlay near/20 parking near/20 device	7°
S9	parking near/10 enforcement near/20 device	852°
S10	(parking near/10 enforcement near/20 device) and (pd(19380101-20100927))	393°
S11	parking near/10 enforcement near/20 device near/30 camera	67°

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S12	(parking near/10 enforcement near/20 device near/30 camera) and (pd(19950101-20100927))	28°
S13	parking near/20 (enforcement or officer) near/20 (real-time or "real time")	371°
S14	(parking near/20 (enforcement or officer) near/20 (real-time or "real time")) and (pd(19950101-20100927))	124°

° Duplicates are removed from the search and from the result count.

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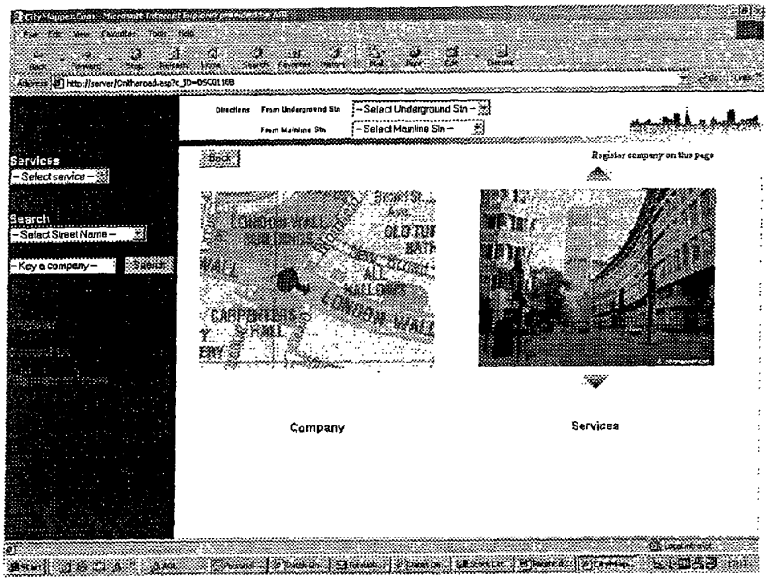
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Published:
— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NAVIGATION SYSTEM



(57) Abstract: A navigation system includes a portable user unit, such as a portable telephone, portable computer or similar device, having a display on which is displayed in addition to a map a three dimensional visual indication of the view the user would expect to see from a particular position. That position could be determined by a GPS receiver in the user unit. As the user travels the three dimensional view is updated, either automatically or by the user. Landmark information could also be provided.

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NAVIGATION SYSTEM

The present invention relates to a navigation system, such as a map.

The problems of navigation, particularly in built up areas, are well known. People have difficulties reading maps, correlating the representations on maps with the actual scenery around them and so on. Moreover, the level of detail in a map is normally much less than that required to reach one's intended destination. In particular, a user needs to understand either his/her immediate surroundings or locality or to be able to extrapolate from a map. This causes navigation difficulties for many people.

The present invention seeks to provide an improved navigation system.

According to an aspect of the present invention, there is provided a navigation system including a user device comprising a display, user input means for inputting data representative of a location co-ordinate and display generating means operable to generate on the display a three dimensional view of the environment indicated by inputted data.

Advantageously, the display generating means is operable to generate on the display a map or plan in addition to the three dimensional view. The map or plan may be displayed at the same time as the three dimensional view or separately therefrom. In the latter case, the system preferably provides the option, via a user input, of being able to toggle between the two views.

In the case of a plan, this may be a street plan or a floor layout of a building such as a museum or house.

The display generating means is preferably also able to display data relating to addresses or other locations of interest of desired destination and/or landmarks. Landmarks may include buildings, retail establishments and the like.

The three dimensional view is preferably in the form of a photograph or photograph-like image. However, the system could in addition or in the alternative provide three

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dimensional line drawings (perspective views) depending upon memory and display capacities.

The system preferably also provides an orientation device, such as a Global Positioning Satellite (GPS) user unit, and means to indicate on the display position and/or direction of travel. Such indication can be by display of an appropriate three dimensional view and/or by an indication on a generated map, such as by an arrow.

The system is preferably designed to provide written and/or oral directions.

The navigation system is preferably also provided with a remote base unit at which map and/or view data is stored for transfer to the user device. In this manner, the user device need not have a large memory for storing a large number of views and maps. The base unit can transfer the appropriate views and maps in accordance with the user's needs and requests.

In the preferred embodiment, communication between the user device and the base unit is via a standard communications system such as a cellular telephone system, radio signal, satellite communication and the like. Advantageously, the system is incorporated into a portable telephone or in a navigation system in a vehicle. It is also envisaged that the user device could be a personal computer and that the communication system could be via the Internet. The computer could be portable but not necessarily so.

By this system, the user can obtain a view of his/her intended location and route. In the preferred embodiment, this is correlated with a map to show where the user is in relation to other landmarks and the user's desired destination or path. There is no need to be able to read maps accurately. Moreover, it is possible with the three dimensional views, particularly when in the form of photographs, to give far more visual cues than is possible with a map, thus facilitating orientation. The system could be thought of as providing a virtual view which can be correlated to the physical surroundings.

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In the preferred embodiment, the user is provided with the ability to travel 'virtually' to a location by navigating through a series of digital photographs taken at street-level from the first-person perspective. The information presented in this way directly represents the 'user experience' and, unlike reading a street-map, requires no further translation.

An embodiment of the present invention is described below, by way of example only, with reference to the accompanying drawings, in which:

Figures 1a and 1b show an embodiment of double display with direction of travel indication and with view changes in the direction of travel;

Figures 2a and 2b show an embodiment of double display with direction of travel indication and with view changes in a direction of travel opposite to that o Figures 1a and 1b;

Figures 3a and 3b show an embodiment of displays with direction of travel indication and landmarks; and

Figures 4a and 4b show an embodiment of displays with landmarks and written directions.

The following description focuses on the display features of the invention. The apparatus for implementing the system can be readily derived by the skilled reader. Indeed, it is possible to implement the system with simple modification of existing equipment, both at the user end and at the base system.

In the preferred embodiment, the presentation format on a user display shows a digital photograph alongside the corresponding street-map of the same location with an arrow representing the direction the 'viewer' is facing. By clicking on direction arrows or by other analogous input, the user can navigate the region, being then presented with the corresponding next photograph and street-map information. For example, when viewing a photograph showing a road that continues ahead of the viewer, clicking the 'South' direction button would emulate turning around 180° to show the view in the opposite

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direction. Similarly, clicking the 'North' direction button would simulate walking down the road and present a new digital photograph showing a view taken further along the road.

From any given photograph, directions can be obtained to reach this destination from various starting points. The directions are preferably presented in a step-through set of text instructions, each one accompanied by a corresponding photograph relating to the surroundings of the given instruction.

This system can be implemented on hand-held devices such as a Palm Pilot(TM), as well as WAP portable telephones. The presentation format on a telephone is likely to differ slightly from that which can be presented on a personal computer (or Web Browser) but the principle of 'virtual walking' by navigating digital photographs is substantially the same. Of course, with a telephone, there are at present limitations as to display size and quality and transmission rates.

Example 1 ('Virtual Walking')

The screenshot of Figures 1a and 1b show the view from a specific point along London Wall in the City of London. The photo is accompanied by an A-Z format street map graphic showing the same location, together with a pointer showing the direction the user is facing. The arrows around the photograph represent possible directions in which the user can 'walk'.

By activating the top direction arrow (that is, straight ahead) the view changes to the screenshot of Figure 1b, which shows a photograph from further along the road, together with the corresponding street-map graphic.

Example 2 ('Virtual Walking')

In the example of Figures 2a and 2b, which represent the same starting point, the lower direction arrow is activated (representing a 180° turn-around by the user) to reveal the screenshot of Figure 2a, which shows the view in the opposite direction.

Example 3 ('Displaying Landmarks')

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Below the photograph are provided a plurality of icons which name landmarks that are visible in the region depicted by the photograph (in this example the landmarks are shops). By positioning a mouse pointer provided on the display over the name, the exact location on the photograph is highlighted with a yellow spot (in Figure 3a screenshot the mouse has been placed over the 'Clarks' button). Clicking the name button will display a page of information about that particular landmark, as shown in the screenshot of Figure 3b.

Example 4 ('Directions')

Referring to Figures 4a and 4b, from either the 'landmark information' view or the 'street walking' view it is possible to request directions to reach this location from predetermined starting points (in the example shown the starting points are the nearest Underground or metro station, or one of three mainline stations: in this example, Liverpool St, Fenchurch St, and Cannon St).

The directions are displayed in a step-by-step sequence, with each instruction being accompanied by a photograph of the view at that particular location, as shown in the screenshot of Figure 4b.

It will be apparent that an implemented system could provide one or more of the above facilities, it being preferred that all these facilities are provided. As mentioned above, the various screenshots can be shown together, as depicted in each Figure, or separately with a toggle function if there are display limitations.

In the preferred embodiment, the displays as shown in Figures 1 to 4 are provided on a user device such as a computer, palm size computer or telephone.

In its simplest form, the user device provides for user entry of position and orientation and manual user adjustment of position during travel. However, in the preferred embodiment, the user device includes a GPS positioning unit which can provide automatic location, orientation and movement such that the map and views are automatically updated.

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The data is preferably held by and transmitted from a base unit. In practice, the base unit will provide a database of maps and digital photographs and means to transmit the data to the user device upon receipt of appropriate requests from the user device. The specific design and components required for the base unit will be readily apparent to the skilled person.

The principal features of the preferred embodiment of base unit are outlined below.

The web pages that facilitate the 'virtual walking' experience, as well as those giving directions and landmark information, are constructed 'on-the-fly' by programming code (for example .asp) reading a database. This is opposed to creating code manually for each individual page.

The database of the preferred embodiment includes three linked tables or databases:

Table 1 relates to the directions.

Each record contains:

A unique identifier

The photograph graphic name

The text direction instruction

Table 2 relates to the 'virtual walking' display.

Each record contains:

The photograph graphic name (which is also a unique identifier)

One field for each direction (Ahead, Reverse, North, North East etc.)

15 fields for each starting location for directions – each field is a pointer to a Table 1 record, when output in the sequence keyed in the Table 2 record they will consist of the appropriate step-by-step directions

The corresponding street-map graphic name

20 groups of three fields relating to the landmark information:

One field containing the corresponding record identifier from Table 3

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One field containing X co-ordinate data to plot the spot on the photograph to highlight the landmark

One field containing Y co-ordinate data to plot the spot on the photograph to highlight the landmark

Table 3 relates to the 'landmark' data

Each record contains:

A unique identifier

The landmark name (e.g. 'Clarks shoe Shop')

The corresponding record identifier from Table 2

Final direction instruction

Five fields of text description

A type descriptor for the landmark (e.g. 'Shoes')

Contact email address

Contact telephone number

Contact fax number

Postal address

Landmark graphic name (that is, name of view of Landmark)

Landmark button graphic name

Website address

The virtual street-walking pages are constructed from data held in Table 2 and Table 3. If a direction field (for example North, South East, West) is blank, no arrow is displayed for that direction, if it contains data, the arrow is displayed and the data contains the corresponding record identifier from Table 2 that is used to build the link for that direction.

The landmark icons are constructed in a similar fashion: Table 3 is scanned for records containing a pointer to the 'current' record in Table 2. Any records found to contain the pointer are used to construct the landmark link, display the appropriate button graphic, and embed the spot as a hidden layer at the correct co-ordinates on the photograph area of the page.

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The landmark page is constructed entirely from data held in Table 3. Direction information can be requested from this display and is accessed from the corresponding record in Table 2 via the pointer held in the table 3 record.

The directions page is constructed from a Table 2 record, which contains pointers to the records held in Table 1 in the same sequence in which they are to be output to screen. The final direction is read from Table 3 using the current record in Table 2 and is inserted as the last instruction.

As indicated above, the system could also be used to assist navigation in other areas, such as within a building, for example a museum or house. The user could be presented with a room or floor plan and then with three-dimensional views for navigation purposes. This could also be provided for viewing purposes, for example to determine whether the view or display in a particular room or in a particular part of a room is of interest.

The Tables referred to above, which in practice are likely to be databases, can either be stored in the user carried device or could be located in a remote base station which communicates with the user portable device. Similarly, the system could be implemented solely on a static computer, preferably providing downloaded or printed results.

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CLAIMS

1. A navigation system including a user device comprising a display, user input means for inputting data representative of a location co-ordinate and display generating means operable to generate on the display a three dimensional view of the environment indicated by inputted data.

2. A system according to claim 1, wherein the display generating means is operable to generate on the display a map or plan in addition to a three dimensional view.

3. A system according to claim 2, wherein the display means is operable to display a map or plan may at the same time as a three dimensional view or separately therefrom.

4. A system according to any preceding claim, wherein the display generating means is able to display data relating to addresses or other locations of interest of a desired destination and/or landmarks.

5. A system according to any preceding claim, wherein the three dimensional view is in the form of a photograph or photograph-like image.

6. A system according to any preceding claim, wherein the three dimensional view is in the form of a picture or drawing.

7. A system according to any preceding claim, including an orientation device and means to indicate on the display position and/or direction of travel.

8. A system according to any preceding claim, wherein the system is designed to provide written and/or oral directions.

9. A system according to any preceding claim, including a remote base unit at which map and/or view data is stored for transfer to the user device via a communications system.

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10. A system according to claim 9, wherein the communications system is a cellular telephone system, radio signal communications system or satellite communications system.

11. A system according to any preceding claim, wherein the system is incorporated into a portable telephone, a navigation system in a vehicle or in a personal computer or similar device.

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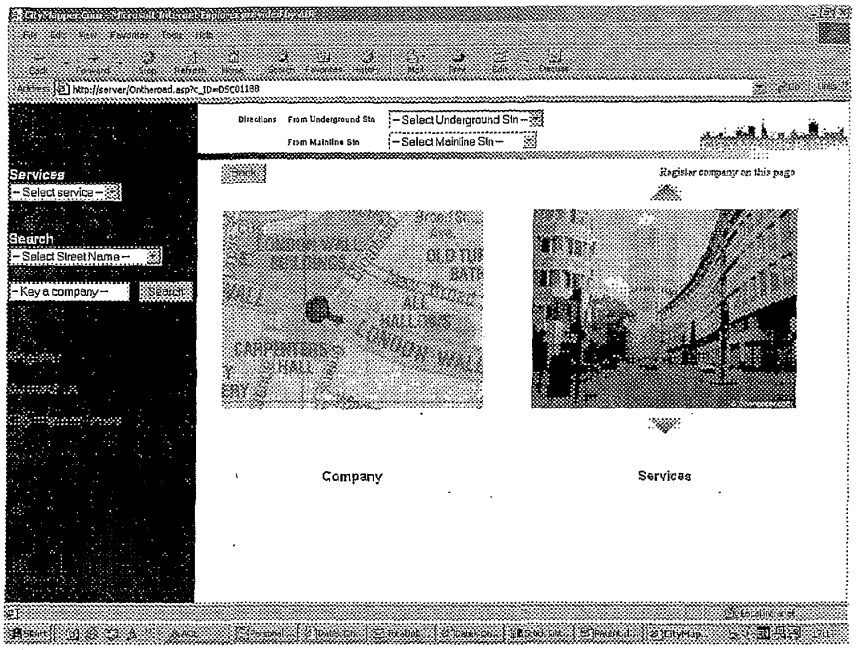


Figure 1a

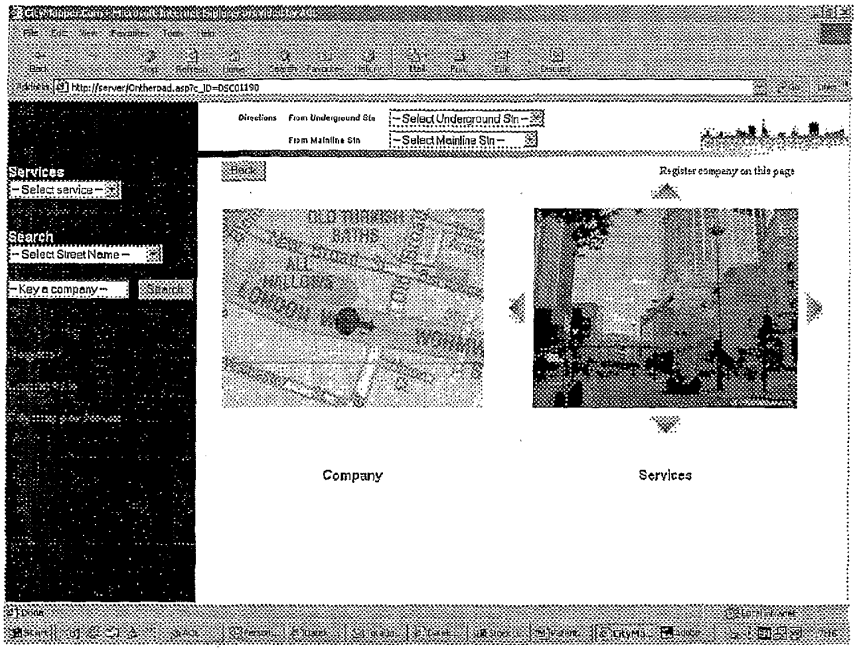


Figure 1b

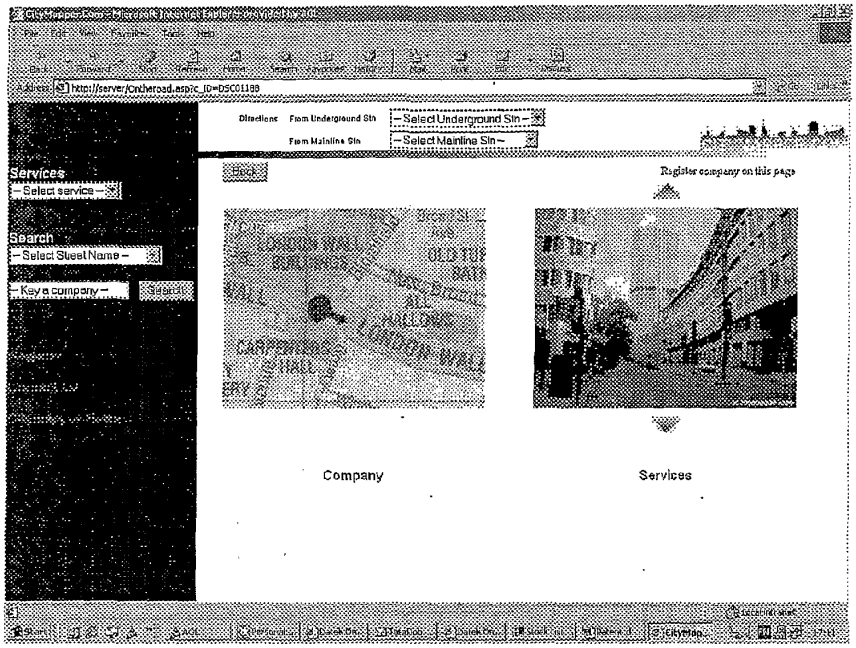


Figure 2a

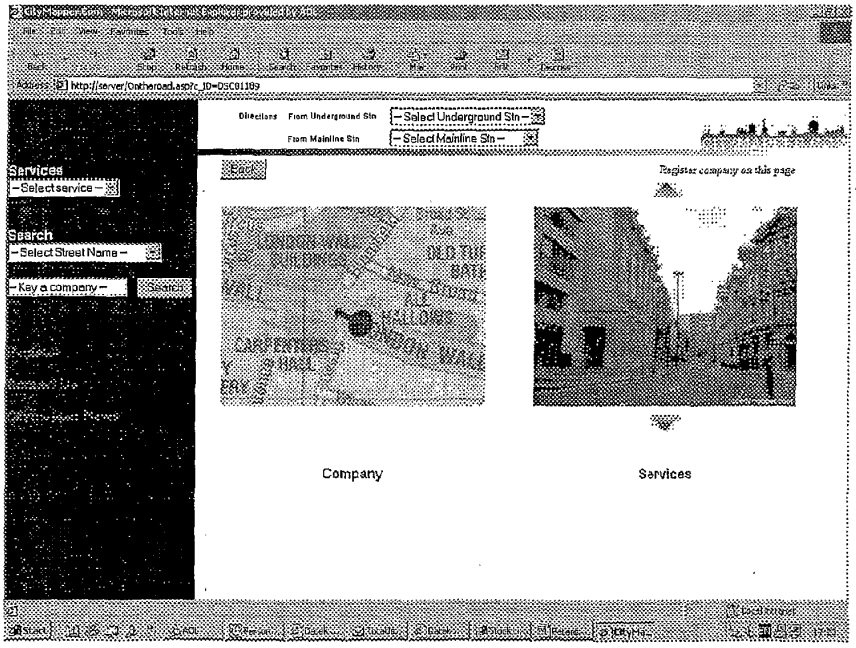


Figure 2b

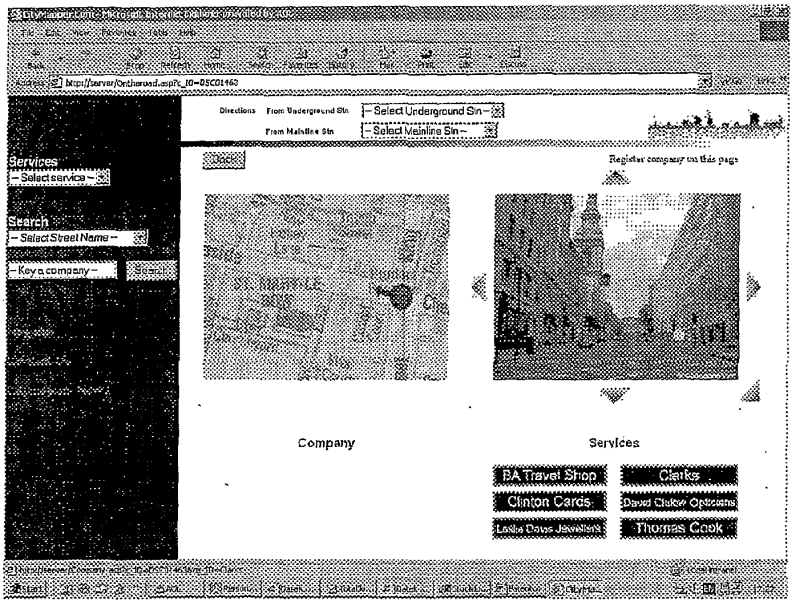


Figure 3a

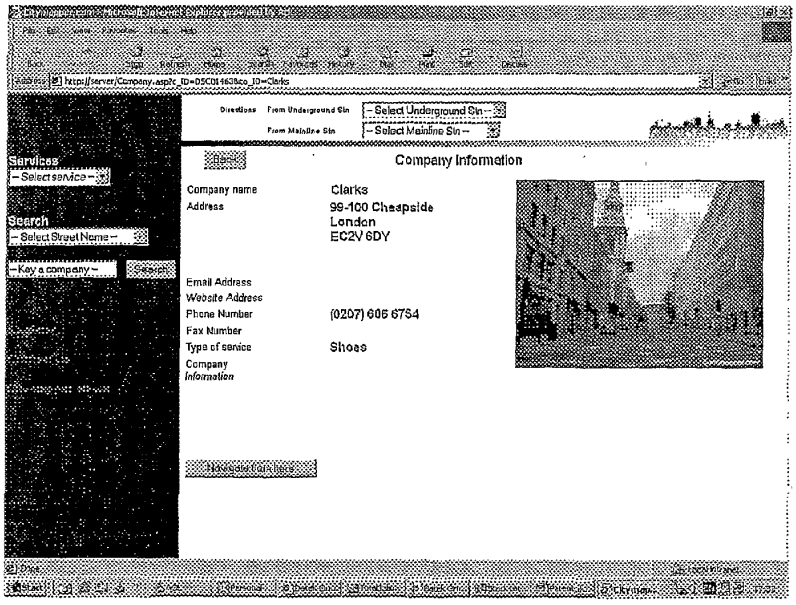


Figure 3b

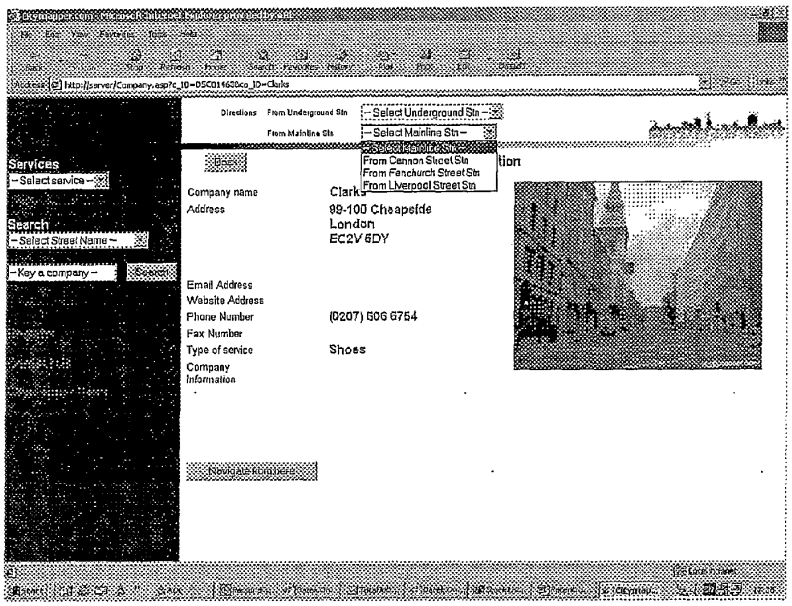


Figure 4a

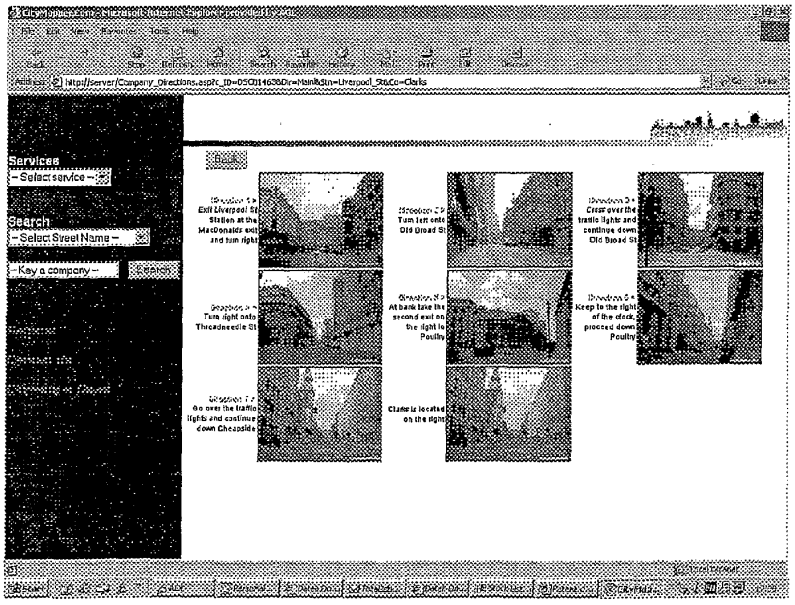


Figure 4b

INTERNATIONAL SEARCH REPORT

Int Application No
PCT/GB 02/00233

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01C21/20 G09B29/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01C G09B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
WPI Data, PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 148 261 A (DINKEL JOHN ET AL) 14 November 2000 (2000-11-14) abstract column 2, line 37 -column 3, line 17 column 4, line 13 - line 25 column 7, line 42 - line 43 column 9, line 63 -column 10, line 1 column 16, line 24 - line 40; figures ---	1-11
X	EP 1 024 347 A (IBM) 2 August 2000 (2000-08-02) abstract column 7, line 30 - line 42 column 8, line 12 - line 17 column 9, line 24 - line 43 --- -/--	1-3,5,7, 9-11

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
26 April 2002	08/05/2002

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Hoekstra, F

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Form PCT/ISA/210 (second sheet) (July 1992)

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INTERNATIONAL SEARCH REPORT

Application No
PCT/GB 02/00233

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 07, 29 September 2000 (2000-09-29) -& JP 2000 101999 A (HITACHI INFORMATION SYSTEMS LTD), 7 April 2000 (2000-04-07) abstract; figures -----	1,5

2

Form PCT/ISA/210 (continuation of second sheet) (July 1992)

Oracle EX1002, p. 374
Oracle v. Parking WW
IPR2023-00385

INTERNATIONAL SEARCH REPORT

...nation on patent family members

In | Application No
PCT/GB 02/00233

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 6148261	A	14-11-2000	AU	7981298 A	04-01-1999
			EP	0990119 A1	05-04-2000
			JP	2002505782 T	19-02-2002
			WO	9859215 A1	30-12-1998
EP 1024347	A	02-08-2000	US	6182010 B1	30-01-2001
			EP	1024347 A1	02-08-2000
			JP	2000221044 A	11-08-2000
JP 2000101999	A	07-04-2000	NONE		

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BIB DATA SHEET

CONFIRMATION NO. 2753

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
14/562,149	12/05/2014 RULE	705	3628	837

APPLICANTS

INVENTORS

GILAD G. BASHANI, City of Clayton, MO;

**** CONTINUING DATA ***************************

This application is a CIP of 13/245,385 09/26/2011 ABN
which claims benefit of 61/386,645 09/27/2010

**** FOREIGN APPLICATIONS ***************************

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED **** ** MICRO ENTITY **
12/17/2014

Foreign Priority claimed ❑ Yes ☑ No 35 USC 119(a-d) conditions met ❑ Yes ☑ No Verified and Acknowledged /HUNTER A MOLNAR/ Examiner's Signature	❑ Met after Allowance Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		MO	4	20	3

ADDRESS

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UNITED STATES

TITLE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/562,149	12/05/2014	GILAD G. BASHANI	837	2753

7590 02/01/2019

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EXAMINER	
MOLNAR, HUNTER A	
ART UNIT	PAPER NUMBER
3628	
MAIL DATE	DELIVERY MODE
02/01/2019	PAPER

Notice of Abandonment

This application is abandoned in view of:

1. ☐ The applicant's failure to timely file a proper reply to the Office letter mailed on _____.
   (a) ☐ A reply was received on _____ (with a Certificate of Mailing or Transmission date _____), which is after the expiration of the period for reply (including a total extension of ____ month(s)) which expired on _____.
   (b) ☐ No reply has been received.
2. ☑ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
   (a) ☐ The issue fee and publication fee, if applicable, was received on _____ (with a Certificate of Mailing or Transmission date _____), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).
   (b) ☐ The submitted fee of $_____ is insufficient. A balance of $_____ is due.
   The issue fee required by 37 CFR 1.18 is $_____.
   The publication fee, if required by 37 CFR 1.18(d), is $_____.
   (c) ☒ The issue fee and publication fee, if applicable, has not been received.
3. ☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).
   (a) ☐ Proposed corrected drawings were received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply.
   (b) ☐ No corrected drawing have been received.
4. ☐ Applicant's failure to timely file the inventor's oath or declaration no later than the date on which the issue fee was paid as required by the Notice Requiring Inventor's Oath or Declaration (PTO-2306).
   (a) ☐ An inventor's oath or declaration was received on _____ (with a Certificate of Mailing or Transmission date _____), which is after the date on which the issue fee was paid.
   (b) ☐ While an oath or declaration (or substitute statement) for one or more inventors was received, an oath or declaration (or substitute statement) for at least one other inventor has not been received.
   (c) ☐ No inventor's oath or declaration has been received.
5. ☐ Drawings received on _____ were disapproved by examiner. See examiner's response dated _____.
6. ☐ Corrected drawings were received on _____ , which is after the expiration of the one-month period for reply set in examiner's response dated _____.
7. ☐ No corrected drawings have been received in reply to one-month period set in examiner's response dated _____.
8. ☐ The reason(s) below:

Petitions to revive under 37 CFR 1.137(a) or request to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.

/Brand Tyler for

(571)-272-4200 or 1(888)-786-0101
Patent Publication Branch
Office of Data Management

FORM PTO-ABN0 (Rev. 03/17)

Doc Code: PET.OP
Document Description: Petition for Review by the Office of Petitions

PTO/SB/64 (01-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(a)

Page 1 of 2

Docket Number (Optional): 837

First named inventor: BASHANI, GILAD G.

Application No.: 14562149 Art Unit: 3628

Filed: 12/05/2014 Examiner: MOLNAR, HUNTER A.

Title: Parking Status System

Attention: Office of Petitions
Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
FAX (571) 273-8300

NOTE: If information or assistance is needed in completing this form, please contact the Office of Petitions at (571) 272-3282.

The above-identified application became abandoned for failure to file a timely and proper reply to a notice or action by the United States Patent and Trademark Office. The date of abandonment is the day after the expiration date of the period set for reply in the Office notice or action plus any extensions of time actually obtained.

APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION.

NOTE: A grantable petition requires the following items:

(1) Petition fee;
(2) Reply and/or issue fee;
(3) Terminal disclaimer with disclaimer fee – required for all utility and plant applications filed before June 8, 1995, and for all design applications; and
(4) Statement that the entire delay was unintentional.

1. **Petition fee**

☐ Small entity fee $ _____ (37 CFR 1.17(m)). Applicant asserts small entity status. See 37 CFR 1.27.

☒ Micro entity fee $ 500.00 (37 CFR 1.17(m)). Applicant certifies micro entity status. See 37 CFR 1.29.
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

☐ Undiscounted fee $ _____ (37 CFR 1.17(m)).

2. **Reply and/or fee**

A The reply and/or fee to the above-noted Office notice or action in the form of

PTOL FORM 85-B (identify the type of reply):

☐ has been filed previously on _____.

☒ is enclosed herewith.

B The issue fee and publication fee (if applicable) of $ 250.00

☐ has been paid previously on _____.

☒ is enclosed herewith.

This collection of information is required by 37 CFR 1.137(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11, 1.14 and 41.6. This collection is estimated to take 1 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Doc Code: PET.OP
Document Description: Petition for Review by the Office of Petitions

PTO/SB/64 (01-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(a)

3. **Terminal disclaimer with disclaimer fee**

☒ Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required.

☐ A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of $ _____) disclaiming the required period of time is enclosed herewith (see PTO/SB/63).

4. **STATEMENT:** The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(a) was unintentional. [NOTE: The United States Patent and Trademark Office may require additional information if there is a question as to whether either the abandonment or the delay in filing a petition under 37 CFR 1.137(a) was unintentional (MPEP 711.03(c), subsections (III)(C) and (D)).]

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

Signature: Charles C. McCloskey

Date: 2/15/19

CHARLES C. MCCLOSKEY
Typed or Printed Name

46911
Registration Number, if applicable

13221 N. OUTER 40 RD. STE. 100
Address

6365279962
Telephone Number

CHESTERFIELD, MO 63017
Address

Enclosures:

☒ Fee Payment
☒ Reply
☐ Terminal Disclaimer Form
☐ Additional sheet(s) containing statements establishing unintentional delay
☐ Other: _____

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

☐ Deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Petition, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

☐ Transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (571) 273-8300.

2/15/19
Date

BY SFC

Charles C. McCloskey
Signature

CHARLES C. MCCLOSKEY
Typed or printed name of person signing certificate

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

27789 7590 02/18/2018
CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

CHARLES MCCLOSKEY	(Typed or printed name)
	(Signature)
2/15/19	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/562,149	12/05/2014	GILAD G. BASHANI	837	2753

TITLE OF INVENTION: PARKING STATUS SYSTEM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	MICRO	$250	$0.00	$0.00	$250	01/18/2019

EXAMINER	ART UNIT	CLASS-SUBCLASS
MOLNAR, HUNTER A	3628	705-013000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 CHARLES MCCLOSKEY
2
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☒ Issue Fee ☐ Publication Fee (if required) ☒ Advance Order - # of Copies 2

4b. Method of Payment: *(Please first reapply any previously paid fee shown above)*

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☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. **Change in Entity Status** (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature Charles C. McCl Date 2/15/19

Typed or printed name CHARLES C. MCCLOSKEY Registration No. 46911

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Oracle EX1002, p. 380
Oracle v. Parking WW
IPR2023-00385

Doc Code: MES.GIB
Document Description: Certification of Micro Entity Status (Gross Income Basis)

PTO/SB/15A (09-12)

CERTIFICATION OF MICRO ENTITY STATUS
(GROSS INCOME BASIS)

Application Number or Control Number (if applicable):	Patent Number (if applicable):
First Named Inventor:	**Title of Invention:**
Bashani, Gilad G.	Parking Status System

The applicant hereby certifies the following—

(1) **SMALL ENTITY REQUIREMENT** - The applicant qualifies as a small entity as defined in 37 CFR 1.27.

(2) **APPLICATION FILING LIMIT** - Neither the applicant nor the inventor nor a joint inventor has been named as the inventor or a joint inventor on more than four previously filed U.S. patent applications, excluding provisional applications and international applications under the Patent Cooperation Treaty (PCT) for which the basic national fee under 37 CFR 1.492(a) was not paid, and also excluding patent applications for which the applicant has assigned all ownership rights or is obligated to assign all ownership rights as a result of the applicant's previous employment.

(3) **GROSS INCOME LIMIT ON APPLICANTS AND INVENTORS** - Neither the applicant nor the inventor nor a joint inventor, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986 (26 U.S.C. 61(a)), exceeding the "Maximum Qualifying Gross Income" reported on the USPTO website at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.

(4) **GROSS INCOME LIMIT ON PARTIES WITH AN "OWNERSHIP INTEREST"** - Neither the applicant nor the inventor nor a joint inventor has assigned, granted, or conveyed, nor is under an obligation by contract or law to assign, grant, or convey, a license or other ownership interest in the application concerned to an entity that, in the calendar year preceding the calendar year in which the applicable fee is being paid, had a gross income, as defined in section 61(a) of the Internal Revenue Code of 1986, exceeding the "Maximum Qualifying Gross Income" reported on the USPTO website at http://www.uspto.gov/patents/law/micro_entity.jsp which is equal to three times the median household income for that preceding calendar year, as most recently reported by the Bureau of the Census.

SIGNATURE by a party set forth in 37 CFR 1.33(b)

Signature					
Name	Gilad G. Bashani				
Date	11/26/2014	Telephone	3145677800	Registration No.	n/a

☐ There is more than one inventor and I am one of the inventors who are jointly identified as the applicant. Additional certification form(s) signed by the other joint inventor(s) are included with this form.

Electronic Patent Application Fee Transmittal

Application Number:	14562149
Filing Date:	05-Dec-2014
Title of Invention:	PARKING STATUS SYSTEM
First Named Inventor/Applicant Name:	GILAD G. BASHANI
Filer:	Charles McCloskey
Attorney Docket Number:	837

Filed as Micro Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
PET. REVIVE ABANDON APP, DELAY PYMT-RESP	3453	1	500	500
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
UTILITY ISSUE FEE	3501	1	250	250
Extension-of-Time:				
Miscellaneous:				
PRINTED COPY OF PATENT - NO COLOR	8001	2	3	6
		Total in USD ($)		**756**

Electronic Acknowledgement Receipt	
EFS ID:	35163144
Application Number:	14562149
International Application Number:	
Confirmation Number:	2753
Title of Invention:	PARKING STATUS SYSTEM
First Named Inventor/Applicant Name:	GILAD G. BASHANI
Customer Number:	27789
Filer:	Charles McCloskey
Filer Authorized By:	
Attorney Docket Number:	837
Receipt Date:	15-FEB-2019
Filing Date:	05-DEC-2014
Time Stamp:	12:11:19
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$756
RAM confirmation Number	021519INTEFSW12120800
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Petition for review by the Office of Petitions	DN837_petition_revive_uninte nt_issue_fee.pdf	146695 46b1c54e8b2914131fcf1384623c00dec7eb 616a	no	2
Warnings:					
Information:					
2	Issue Fee Payment (PTO-85B)	DN837_issue_fee_xmittal.pdf	124956 a9691543bd3a2f5189b04fd0fd94f3cb35f2 58f3	no	1
Warnings:					
Information:					
3	Certification of Micro Entity (Gross Income Basis)	DN391_micro_signed.pdf	1028712 0778dd06736df6fbc12d89f94e1bc0e0305a 18fa	no	1
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	33510 1bd96e555c410ba82454e6bcdda47ff896e 1b706	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1333873		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

27789 7590 10/18/2018
CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

OPAP AKIMA-15 FEB 15 2019 PATENT & TRADEMARK OFFICE

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

CHARLES MCCLOSKEY	(Typed or printed name)
CCM	(Signature)
2/15/19	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/562,149	12/05/2014	GILAD G. BASHANI	837	2753

TITLE OF INVENTION: PARKING STATUS SYSTEM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	MICRO	$250	$0.00	$0.00	$250	01/18/2019

EXAMINER	ART UNIT	CLASS-SUBCLASS
MOLNAR, HUNTER A	3628	705-013000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list.
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 CHARLES MCCLOSKEY
2
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☒ Issue Fee ☐ Publication Fee (if required) ☒ Advance Order - # of Copies 2

4b. Method of Payment: *(Please first reapply any previously paid fee shown above)*

☒ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. **Change in Entity Status** (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature Charles C. McC Date 2/15/19

Typed or printed name CHARLES C. MCCLOSKEY Registration No. 46911

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Oracle EX1002, p. 387
Oracle v. Parking WW
IPR2023-00385

United States Patent and Trademark Office

- Sales Receipt -

02/15/2019 INTEFSW 00012385 14562149

01 FC:3453	500.00	OP
02 FC:3501	250.00	OP
03 FC:8001	6.00	OP

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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/562,149	12/05/2014	GILAD G. BASHANI	837	2753

27789 7590 08/29/2019

CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

EXAMINER	
MOLNAR, HUNTER A	

ART UNIT	PAPER NUMBER
3628	

MAIL DATE	DELIVERY MODE
08/29/2019	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Oracle EX1002, p. 389
Oracle v. Parking WW
IPR2023-00385

UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

In re Application of	:	
Bashani, Gilad G.	:	
Application No. 14/562,149	:	DECISION ON PETITION
Filed: December 05, 2014	:	
Attorney Docket No. 837	:	

This is a decision on the petition pursuant to 37 CFR 1.137(a), filed February 15, 2019, to revive the above-identified application.

The petition is **GRANTED**.

This application became abandoned for failure to timely pay the issue fee on or before January 18, 2019 as required in the Notice of Allowance and Fee(s) Due mailed October 18, 2018, which set a period for reply of three (3) months. Accordingly, the application became abandoned by operation of law on January 18, 2019. A courtesy Notice of Abandonment was mailed on February 01, 2019.

The petition satisfies the requirements of 37 CFR 1.137(a) in that petitioner has supplied (1) the reply in the form of payment of the issue fee of $250, (2) the petition fee of $500 and (3) a proper statement of unintentional delay.

This application is being referred to the Office of Data Management for processing into a patent.

Telephone inquiries concerning this decision should be directed to Jonya Smalls, Paralegal Specialist at (571) 272-1619.

/JONYA SMALLS/
Jonya Smalls
Paralegal Specialist, OPET

Notice of References Cited	Application/Control No. 14/562,149	Applicant(s)/Patent Under Reexamination BASHANI, GILAD G.	
	Examiner Hunter Molnar	Art Unit 3628	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20120078686-A1	03-2012	Bashani; Gilad G.	G07B15/00	705/13
*	B	US-20140372185-A1	12-2014	Ganot; Zvi	G07B15/02	705/13
*	C	US-20140214500-A1	07-2014	Hudson; Thomas G.	G06Q30/0284	705/13
*	D	US-20020109610-A1	08-2002	Katz, Yoram	G07B15/02	340/932.2
*	E	US-20030128630-A1	07-2003	Krygler, Agenor	G07F17/248	368/90
*	F	US-20070267479-A1	11-2007	Nix; Robert	G06Q20/10	235/379
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N	WO-2005086097-A1	09-2005	WO	FRAIER ISRAEL	G06Q20/127
	O	Change(s) applied				
	P	to document,				
	Q	/M.E.G./				
	R	11/12/2018				
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Oracle EX1002, p. 391
Oracle v. Parking WW
IPR2023-00385

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/562,149	10/08/2019	10438421	837	2753

27789 7590 09/18/2019

CHARLES C. MCCLOSKEY
13321 N. OUTER 40 RD. STE. 100
TOWN & COUNTRY, MO 63017

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 1069 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

GILAD G. BASHANI, City of Clayton, MO;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

Oracle EX1002, p. 392
Oracle v. Parking WW
IPR2023-00385