

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA/82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	
Filing Date	
First Named Inventor	Chris Outwater
Title	An Access Control System and Method for Use by an Access Device
Art Unit	
Examiner Name	
Attorney Docket Number	LBT0010-CON

SIGNATURE of Applicant or Patent Practitioner

Signature	/John R. Kasha/	Date (Optional)	
Name	John R. Kasha	Registration Number	53100
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.



*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. 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 3 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.

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number

Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)



I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:

67050

OR



I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter to:



The address associated with the above-mentioned Customer Number

OR



The address associated with Customer Number:

OR

Firm or
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

Liberty Plugins, Inc.



Inventor or Joint Inventor (title not required below)



Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)



Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)



Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature

Date (Optional)

Name

Chris Outwater

Title

President, Liberty Plugins, Inc.

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.



Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. 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 3 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.

POWER OF ATTORNEY BY APPLICANT

No more than ten (10) patent practitioners total may be appointed as set forth below by name and registration number. This page need not be submitted if appointing the Patent Practitioner(s) associated with a Customer Number (see form PTO/AIA/82B):

Name	Registration Number

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	LBT0010-CON2
		Application Number	
Title of Invention	Access Control System and Method for Use by an Access Device		
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		
	Chris		Outwater			
Residence Information (Select One) • US Residency Non US Residency Active US Military Service						
City	Carpinteria	State/Province	CA	Country of Residence	US	
Mailing Address of Inventor:						
Address 1	3340 Foothill Rd.					
Address 2						
City	Carpinteria	State/Province	CA			
Postal Code	93013	Country	US			
Inventor	2				Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name	Suffix		
	William	Gibbens	Redmann			
Residence Information (Select One) • US Residency Non US Residency Active US Military Service						
City		State/Province		Country of Residence		
Mailing Address of Inventor:						
Address 1	1202 Princeton Dr.					
Address 2						
City	Glendale	State/Province	CA			
Postal Code	91205	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).

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	LBT0010-CON2
		Application Number	
Title of Invention	Access Control System and Method for Use by an Access Device		

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

Customer Number	67050		
Email Address	john.kasha@kashalaw.com	Add Email	Remove Email

Application Information:

Title of the Invention	Access Control System and Method for Use by an Access Device		
Attorney Docket Number	LBT0010-CON2	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	7	Suggested Figure for Publication (if any)	4

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	67050		

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	LBT0010-CON2
		Application Number	
Title of Invention	Access Control System and Method for Use by an Access Device		

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.

When referring to the current application, please leave the application number blank.

Prior Application Status	Pending				Remove
Application Number	Continuity Type		Prior Application Number	Filing Date (YYYY-MM-DD)	
	Continuation of		15178849	2016-06-10	
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15178849	Continuation of	14603434	2015-01-23	9373205	2016-06-21
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14603434	Continuation of	13582467	2012-09-04	8996879	2015-03-31
Prior Application Status	Expired				Remove
Application Number	Continuity Type		Prior Application Number	Filing Date (YYYY-MM-DD)	
13582467	a 371 of international		PCT/US11/26781	2011-03-02	
Prior Application Status	Expired				Remove
Application Number	Continuity Type		Prior Application Number	Filing Date (YYYY-MM-DD)	
PCT/US11/26781	Claims benefit of provisional		61309813	2010-03-02	
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.					Add

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).

				Remove
Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)	
Additional Foreign Priority Data may be generated within this form by selecting the Add button.				Add

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	LBT0010-CON2
		Application Number	
Title of Invention	Access Control System and Method for Use by an Access Device		

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.
--

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 of 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.
--

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	LBT0010-CON2
		Application Number	
Title of Invention	Access Control System and Method for Use by an Access Device		

Applicant	1 Remove		
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. ☒			
Organization Name	Liberty PlugIns, Inc.		
Mailing Address Information For Applicant:			
Address 1	1482 East Valley Road, Suite 329		
Address 2			
City	Santa Barbara	State/Province	CA
Country	US	Postal Code	93108
Phone Number		Fax Number	
Email Address			
Additional Applicant Data may be generated within this form by selecting the Add button. Add			

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.			
Assignee	1 Remove		
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. ☒			

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	LBT0010-CON2
		Application Number	
Title of Invention	Access Control System and Method for Use by an Access Device		

Organization Name	Liberty PlugIns, Inc.
-------------------	-----------------------

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1	1482 East Valley Road, Suite 329		
Address 2			
City	Santa Barbara	State/Province	CA
Country i	US	Postal Code	93108
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

Add

Signature:

Remove

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

Signature	/Kelly L. Kasha/		Date (YYYY-MM-DD)	2017-05-23	
First Name	Kelly L.	Last Name	Kasha	Registration Number	47743

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

Add

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.**

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 the Freedom of Information Act requires disclosure of these records.
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 inspections 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.

Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
Title of Invention:		Access Control System and Method for Use by an Access Device		
First Named Inventor/Applicant Name:		Chris Outwater		
Filer:		John Kasha/Kelly Kasha		
Attorney Docket Number:		LBT0010-CON2		
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY FILING FEE (ELECTRONIC FILING)	4011	1	70	70
UTILITY SEARCH FEE	2111	1	300	300
UTILITY EXAMINATION FEE	2311	1	360	360
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 (\$)				730

Electronic Acknowledgement Receipt	
EFS ID:	29349225
Application Number:	15609055
International Application Number:	
Confirmation Number:	6696
Title of Invention:	Access Control System and Method for Use by an Access Device
First Named Inventor/Applicant Name:	Chris Outwater
Customer Number:	67050
Filer:	John Kasha/Kelly Kasha
Filer Authorized By:	John Kasha
Attorney Docket Number:	LBT0010-CON2
Receipt Date:	31-MAY-2017
Filing Date:	
Time Stamp:	08:15:53
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$730
RAM confirmation Number	053117INTEFSW08173600
Deposit Account	504075
Authorized User	John Kasha
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (Patent application and reexamination processing fees)	

37 CFR 1.19 (Document supply fees)					
37 CFR 1.20 (Post Issuance fees)					
37 CFR 1.21 (Miscellaneous fees and charges)					
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Specification	LBT0010-CON2_specification_final.pdf	150007	no	20
			d863b8ca3b97a262b341b157b3a4db8a41d4f9f		
Warnings:					
Information:					
2	Drawings-only black and white line drawings	LBT0010-CON2_drawings_pct.pdf	169273	no	7
			c678e02d2ab13683a7488d728970a4f75dec3b25d		
Warnings:					
Information:					
3	Oath or Declaration filed	LBT0010-CON_dec_signed.pdf	735879	no	2
			d0e22911e55b78e4c926f817836288f691d95070		
Warnings:					
Information:					
4	Power of Attorney	LBT0010-CON_poa_signed.pdf	424556	no	3
			5d807b18a354b9acc0eed8ab8cd15f11391cd95c		
Warnings:					
Information:					
5	Application Data Sheet	LBT0010-CON2_app_data_sheet.pdf	1895139	no	7
			f805cf1b802a2bbdc60543d4b1b0a797fe0e12d8		
Warnings:					
Information:					
6	Fee Worksheet (SB06)	fee-info.pdf	35001	no	2
			10fc334b413988976d2556f4343e4e9f2a748e6a		
Warnings:					
Information:					

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.

ACCESS CONTROL SYSTEM AND METHOD FOR USE BY AN ACCESS DEVICE

CROSS-REFERENCE TO RELATED APPLICATION

[0001] This application is a continuation of U.S. Patent Application No. 15/178,849, filed June 10, 2016, which is a continuation of U.S. Patent Application No. 14/603,434, filed January 23, 2015, now U.S. Patent No. 9,373,205, which is a continuation of U.S. Patent Application No. 13/582,467, filed September 4, 2012, now U.S. Patent No. 8,996,879, which is a national stage application of PCT Application No. PCT/US11/26781, filed March 2, 2011, which claims the benefit of U.S. Provisional Patent Application No. 61/309,813, filed March 2, 2010. All of the above mentioned applications are incorporated by reference herein in their entireties.

INTRODUCTION

[0002] Electric vehicles are rapidly gaining in popularity. With these electric vehicles, charge points, or chargers where the vehicle can charge its batteries, will also become ubiquitous. The simplest charger is simply a kiosk or charge station that a vehicle can plug into and charge. A fee or other access may be required to use this kiosk. In other situations, vehicles will be able to be charged at parking facilities, parking meters and even street lamps. Other electronic access devices such as hotel room locks and the like are also gaining in popularity.

[0003] A major problem with a random collection of charge stations is that a driver needing charge may have no idea exactly where to find a charging station that can charge his vehicle using the correct voltage and current, and may have no convenient way to reserve a place or make payments for this service. Of course, kiosks and the

like can accept credit cards much like gas pumps; however, there still remains the problem of reservations and correct charging parameters.

[0004] Use of the Internet for almost everything has also become very common to many people today. A large percentage of fungible goods today are purchased directly from merchants over the Internet. It would be very desirable to have an easily accessed website that could provide reservation services for charges, including directions to the location of a specific charger and could provide correct charging parameters to that charger. This website could interact with a user's cellular telephone to provide an electronic token or certificate that could be temporarily stored in the phone that could be passed on to an access device such as a vehicle charger, hotel room lock or other access system to allow access and provide any necessary parameters.

[0005] Burger in U.S. Published Patent Application number 2010/0031043 teaches a portable electronic authorization method for enabling a user interface on a computer operated by a user to cause the memory content of an electronic device distinct from the computer to be modified. Burger teaches using RFID tags to replace each typical document found in a person's wallet or purse. Burger fails to teach enabling a charger for an electronic vehicle.

[0006] It would be advantageous to have a system and method of reserving an electrical vehicle charger on a web page and then transferring a token or certificate to a cellular telephone which could then further transfer this token to the charger to authorize charging.

SUMMARY OF THE INVENTION

[0007] The present invention relates to the use of a web site and a cellular telephone, preferably a smart phone, to reserve and activate an electric vehicle charger or to activate and allow access to any access device such as a hotel room lock or the like. The web site can be general access or restricted access and can allow a user using a browser from a computer, laptop, web-capable cellular telephone, smart phone or any electronic processing device to place a reservation for a particular charger at a particular time window. A server or server computer not hosting a website can also interface directly with a telephone application. The server, or another server, can then transfer a digital token or certificate, which may be wholly or partially encrypted, to the cellular telephone. This certificate may comprise a unique ID and/or a date/time stamp.

[0008] The certificate generally has an ID referring to the final access device (for example, a charger), or is encoded in such a way that only the final access device can read and/or verify the message (e.g., the certificate may be encrypted with or signed with a public key for the final access device); whereby the final access device can recognize that the certificate is intended for it. The certificate generally has a start time and duration (or end time), describing the interval during which the final access device has been reserved. Additional options may also be included.

[0009] The certificate can also contain a digital authorization (for example, a digital signature) so that the final access device can verify that the certificate is genuine. Each charger or other access device in a particular system may have a unique ID, which can be changed for security.

- [0010] The certificate can also contain this charger or device ID as well as other information such as approximate time when charging should begin (the reservation time), and the charging parameters.
- [0011] If a wireless device, such as a laptop or smart phone, is used to carry the certificate, it can be running an application that turns on short-range wireless capability as the reservation time approaches. For simplicity in the following discussion, the term `smart phone` is used, but will be understood to include any portable computer or PDA, having a wireless communication ability.
- [0012] As the smart phone approaches the charger or access device, a wireless connection is made (e.g., via Bluetooth.TM., Zigbee.TM., or IRDA); notification may be provided to the user of the device's proximity; and the wireless device sends the digital token or certificate to the device. The device can be optionally Internet enabled; however, it does not have to necessarily be. In fact, the present invention is particularly useful for devices that may generally be Internet connected, but for which the connection is unreliable, for example, for chargers employing Wi-Fi connection in a garage or private residence. In such cases, an inopportunistly placed truck may block communication, or a weakly secured or informally managed modem and/or router may not provide a sufficiently reliable communication. When the device sees its current unique ID on the received certificate or if the device's private key is usable to decrypt at least a portion of the received certificate, and if the reservation time from the certificate approximately agrees with its internal time-of-day/date clock, the device can allow charging. Communication with the smart phone may also include a message as to the smart phone's own clock-calendar, which may be taken into

account for adjusting the clock of the device (as the smart phone may have had more recent connection to an authoritative time source.)

[0013] The incoming digital certificate can contain a new, updated unique ID for that charger or access device to assume. Upon assuming the new ID (after charging is complete or access is allowed), the old ID is no longer valid. This prevents hacking or spoofing the device by trying to use the same certificate twice (say by changing the date/time). The certificate can also contain a new encryption decoding key for the next use. This prevents any decoding of an old or used token or certificate. In this case, since the transaction may not take place (for example, the customer could not find the charger), it is possible for the state of the charger to become ambiguous. It is possible to issue reservations with both the old certificate and the new certificate present simultaneously.

[0014] Funds transfer for the access service can be made by the website at the time of reservation from a user's account, from a money transfer service like PAYPAL.TM. or by receiving funds from a credit card similar to any other e-transaction. In addition, if the charger or access device is web-enabled, the device itself can report back that the charging took place or the access was allowed. Since the digital token or certificate has a reserved charging time, the certificate will die automatically a certain number of minutes or hours after that time in that the charger or access device will no longer allow access based on its time-of-day/date clock.

DESCRIPTION OF THE FIGURES

- [0015] Attention is now directed to several illustrations that show some of the features of the present invention.
- [0016] FIG. 1 shows a flow diagram of a reservation and charge from a web-enabled charger.
- [0017] FIG. 2 shows an embodiment of a digital token or certificate.
- [0018] FIG. 3 shows a similar flow diagram to that of FIG. 1, except that the charger is not web-enabled.
- [0019] FIG. 4 shows the flow with a web-enabled hotel room lock.
- [0020] FIG. 5 shows the flow of FIG. 3 with a hotel room lock that is not web-enabled.
- [0021] FIG. 6 shows a block diagram of a charger that might be used with the present invention.
- [0022] FIG. 7 shows a block diagram of an embodiment of a smart phone application.
- [0023] Several illustrations and drawings have been presented to aid in understanding the present invention. The scope of the present invention is not limited to what is shown in the figures.

DESCRIPTION OF THE INVENTION

[0024] The present invention allows reservation and activation of an electric vehicle charger or an access device like a hotel room lock from a website via a digital token or certificate sent to a cellular telephone or smart phone.

[0025] FIG. 1 shows a flow diagram of an embodiment of the present invention. A website 12 is hosted on a server 15 that communicates with the Internet 1. An Internet terminal device 2 such as a laptop or smart phone has communication with the server 15, browses the site 12 and initiates a reservation request 3 for charging or access. The website can be either open or secure. If secure, then generally a password is needed to access it. Communications security protocols such as https or IPSec may be used in any part of the system of the present invention.

[0026] The website 12 or server 15 can contain information about different services available including the location of possible vehicle chargers 6. The website or server will generally have a database which lists all chargers/locations (including possible maintenance closures) and all current reservations along with their status. The user can select where he wants to be charged or can be directed to the nearest charger in the system. The reservation 3 can be let for a certain time when charging will begin on a certain date. The user can also supply any parameters concerning charging necessary such as voltage/current requirements, time needed and the like.

[0027] After all of the information is gathered, the website causes the server 15 to send a particular digital token or certificate (a “reservation certificate” 5) to a particular portable terminal, e.g., a cellular telephone or smart phone 4 that the user

specifies (which may be the phone being used to make the reservation, but it does not need to be). All or part of the digital certificate may be encrypted with a public key for which the private key counterpart is known to only one charger or access device. Similarly, all or part of the digital certificate may be encrypted with a symmetrical key, known to both the server and the charger. All or part of the digital certificate may be encrypted with a private key known only to the server, but for which the public key is known to all compatible chargers, whereby the chargers can authenticate that the encryption was performed by the server. The certificate can contain a unique charger ID code for the target charger 6 or device, the date/time the certificate is issued, the date/time the charging is supposed to take place, the charging parameters, the charging time allocated, a new charger ID code that will replace the old ID, and optionally a new encryption key. Additionally, the certificate can contain communication information necessary to contact the device when in proximity to it, as discussed below. It is also possible that various portions of the message can be in plaintext. This makes it easier for a device to determine if any of many messages is for it without requiring decryption of every message. In this case, part of the certificate should include a hash of portions of the plaintext that would otherwise be exposed to tampering. The hash can then be encrypted by the server (e.g., with the server's private key) so that a charger or device is able to determine the authenticity of the certificate (by decrypting the hash with the server's public key and comparing that hash to one computed from the plaintext).

[0028] The charger 6 (or access device 11, shown in FIG. 4) may be Internet capable, having connection 10 to Internet 1, or optionally it may be unconnected to the

Internet 1 (as shown in FIG. 3 and FIG. 5 with no connection 10). As the cellular telephone 4 approaches the charger 6 (or access device 11, shown in FIGS. 4 & 5), a wireless technology such as BLUETOOTH, Wi-Fi, Zigbee, infrared, or other wireless technique can be used to communicate with the charger or access device.

[0029] The charger may use these wireless techniques in a manner that does not advertise its presence, for instance, the BLUETOOTH service may not announce itself. In such cases as these, the application on the smart phone uses a predetermined communication setting, or obtains the appropriate communications settings (such as the network SSID, passcodes, IP addresses, Bluetooth ID, etc.) needed to contact the charger. In fact, with certain information (e.g., the Bluetooth ID) will allow the application to identify and communicate with a specific one of many chargers in proximity.

[0030] After a short communications handshake, the digital token or certificate 5 is sent to the charger or access device by short-range wireless. The charger 6 decrypts the certificate, if encrypted, reads the unique device ID, and decides if it is the correct device. If so, it reads the reservation time. If the reservation time approximately agrees with the time of day read from its internal time-of-day/date clock 8, it then decodes the charge parameters or access parameters, if any, and allows charging or access to take place. FIG. 1 shows a vehicle 7 being charged, and it shows the charger 6 with a time-of-day/date clock 8 and an optional GPS receiver 9. If the charger contains a GPS receiver, its identification can be by location, provided the charger has GPS access. This generally requires clear sky. The known coordinates or location of a charger can also be entered during installation, either from a map or

predetermined table or from a GPS carried by an installer. If the charger 6 or access device 11 is Internet enabled (i.e., having connection 10), it can communicate with the website application via long-range wireless such as cellular or by wire access, or it can communicate with an Internet access point by Wi-Fi or the like.

[0031] FIG. 2 shows a sample certificate 14 (one embodiment of certificate 5) containing several fields of data representative of the reservation:

[0032] In some embodiments, one field is provided that can associate the certificate with the charger, such as a device identification (Device ID) of the charger 6 (so that the charger will have some suggestion that this is a message for it;

[0033] Start Time: this can be in plaintext so that the smart phone application can read it also;

[0034] Duration/End Time: if the reservation is not just for a predetermined time like all day for example;

[0035] Service Type: for example level 1 charging vs. level 2, if the charger supports multiple services.

[0036] For security, in some embodiments, the first portion of the certificate can be hashed, and the hash encrypted using the public key of the charger. Upon receipt by the charger, the hash is decrypted using the private key of the charger, and the hash result compared with the charger's internal hash calculation. If the two match, then nobody has edited the reservation and the certificate may be trusted as authentic. This is safe unless someone cracks the key of the charger. In that case, only one charger 6 is affected. An alternative embodiment may use a signed hash or

checksum. Here, the hash is computed as above, then encrypted with a private key held by a trusted authority such as the website.

[0037] Upon receipt, anyone, including the smart phone and the charger, can use the trusted authority's public key to decrypt the hash and compare that to the hash they run. This method is safe unless someone cracks the private key of the website. In still another embodiment, a Signed-then-Encrypted Hash/Checksum is used. Here the signed hash is encrypted so that only the charger can read it. This way, the private keys of both the charger 6 and the website server 15 need to be compromised, and then only that charger is threatened.

[0038] The certificate 14 can contain a certificate ID that is unique only to this certificate that can be used for tracking and debugging. The date/time the certificate was issued, again for tracking and debugging, a unique device ID of the target device, the reservation start time and duration, any charging parameters needed, an optional new device ID for the next session and an optional new decryption key for the next session.

[0039] When charging or access is complete, the charger 6 or access device can update its ID to the new ID supplied by the previous certificate and optionally update its decryption key (if encryption is used). If the charger is Internet capable 10, it can notify the website 12 that the charging is complete or that the changeover has taken place.

[0040] FIG. 3 shows the flow of FIG. 1 with the charger 6 not having Internet access. FIG. 4 shows an Internet capable access device 11, in this example a hotel room lock, having connection 10 to Internet 1, while FIG. 5 shows an access device 11 (again a

hotel room lock) that cannot communicate over the Internet. In the case of a hotel room, a room reservation can be made using an Internet-enabled cellular telephone 4, laptop 2, computer or other Internet device. The room can be paid for in the usually e-commerce way by credit card or by any other payment method. The digital token or certificate is sent to the smart phone 4, and the user is told the external room number. As the guest approaches the hotel room door, the smart phone 4 sends the certificate 5 to the lock device by way of short-range wireless like BLUETOOTH. The user can then unlock the door at any time during the stay period by pressing a particular button on the phone or by other technique. The phone can re-send the unique (and secret) access device ID to the device so that the device knows it is the correct person each time access is requested.

[0041] FIG. 6 shows a block diagram of a charger system 60 that is an embodiment of the charger of the present invention. A processor 16 is tied to a communication module 17 that performs short-range communication with a cellular telephone or smart phone and allows certificate 5 to be transferred from the cellular/smart phone through processor 16 to a storage module 19. The processor 16 or storage module 19 may comprise the private key for the charger 6 and/or may store a public key (e.g., of server 15) to verify digital signatures (e.g., those made with the server's private key). The storage module 19 can be any type of disk, memory or mass storage device. A clock 8 and/or GPS receiver 9 are also connected to the processor 16 to provide the current time. The processor 16 directly controls access to a charging element 6, i.e., enabling charging element 6 when a currently certificate 5 has been presented, and disabling charging element 6 otherwise. An optional long-range communication

module 18 can communicate with the Internet either by placing a cellular telephone call or with Wi-Fi or the like.

[0042] Optionally, the application on a smart phone 4 can energize short-range communication when the local GPS in the phone indicates that the phone is near the target charger 6. The smart phone can also optionally signal that the vehicle needs a charge, or that a particular charge reservation time is approaching. The system of the present invention can also optionally track motorists' visits and purchases at retail stores in a mall or shopping center, and have automatic credits that can be added to the smart phone good toward future vehicle charging paid for by merchants as an incentive to purchase from their stores.

[0043] In US Patent Application Publication 2007/0008181, Rollert et al. teach a "System and Method For Optimizing the Utilization Of Space," primarily parking spaces, by allowing a reservation to be made through the Internet. FIG. 7 shows how the present invention represents an improvement to the system and method of Rollert et al., enabled by a smart phone application that could, for example, run on an iPhone by Apple, Inc. of Cupertino, Calif. or other smart phone. Such an application would have a various screen views for performing such functions as making a new reservation, examining current reservations, and maintaining the patron's account. Some portions of the application require connectivity to the Internet to operate, but other portions may operate based on locally stored information. A few related operations, including examining current reservations, should be able to operate without Internet access, as the user may require immediate access to these operations,

but be in a location such as in a parking garage where Internet access such as cell communication or Wi-Fi may not be provided.

[0044] In the diagram of FIG. 7, a main application view 20 is shown to offer three options: New Reservation (for creating a new reservation), Current Reservations (for examining and using reservations already made), and Account Info (for creating and editing appropriate account information). FIG. 7 shows a smart phone application block diagram for an embodiment in which Internet device 2 and smart phone 4 are the same device: In another embodiment, the reservation-making portion of the application may run on Internet device 2 and the current reservation portion of the application may run on the smart phone 4.

[0045] The patron would have selected the Account Info 21 at least once to create or otherwise associate an account with the patron's smart phone 4. An account may have associated payment preferences and perhaps acceptance of legal agreements. Payment preferences might include a credit card account, or a bank account. Another payment preference would provide permission to pre-charge a patron's credit card or bank account and subsequently allow the system to operate using micropayments made against that pre-charge amount. The parking reservation server 15 (or web site 12) or another server with which it has communication (not shown) would maintain the micropayment accounts for each patron and apply their funds to charges for parking. The micropayment accounts would be settled daily or with a different period, or whenever the pre-charged amount has been consumed.

[0046] Once the patron's account has been enabled, the patron can access the views for creating a new reservation.

- [0047] The New Reservations 23 screen accepts a start-time, an end-time (or duration), and a destination.
- [0048] Required amenities can be selected, including for the present invention, available charging for an EV (which may further include a selection for Level 1 or Level 2 charging, for instance). The destination may be an actual parking location, but more commonly (and as illustrated herein) it is the patron's destination for which nearby parking is sought.
- [0049] As with each screen in this diagram other than the Main view 20, there is a 'back' arrow 22 atop the screen including the New Reservations screen 23. The back arrow 22 is a user interface element that permits the patron to move back up the hierarchy to access screens and their interfaces higher up.
- [0050] Once a destination has been entered into the New Reservation screen 23, the user may be presented with the Destination Map screen 24 showing a map with the destination marked and parking spots nearby shown and selectable. The spots shown may be only ones having the stated amenities and that are available to be reserved for the interval entered such as beginning from the start-time and available for the duration or until the end-time. Current information regarding parking spot availability requires communication with the server responsible for maintaining reservations for that spot, which may be server 15, web site 12, or some other server.
- [0051] Alternatively, the spots may be shown in a list, which may be sorted by their distance from the indicated destination, or by price, or a combination thereof.
- [0052] The patron selects a parking spot, whether from a corresponding marking on the map, or from the spot list (not shown). Once selected, the Spot Detail screen 25 is

shown, which includes information such as location, pricing, detailed amenities, and perhaps a picture of the specific parking location (or one representative of it).

[0053] If the patron does not like the parking spot presented, the back buttons allow returning to screens earlier in the interaction to make different selections, e.g., to choose a different spot or alter the start-time, etc.

[0054] If the patron does like the parking spot presented, he can confirm the reservation 26, which initiates a reservation request to the server. Upon successfully obtaining a reservation for an EV charging enabled parking location, the server in response can provide or authenticate 27 a reservation certificate 5 to be stored in the smart phone 4. For instance, in one embodiment, reservation certificate 5 comprises data representative of the reservation encrypted with the server's private key. In another embodiment, reservation certificate 5 comprises a digital signature by the server that authenticates data representative of the reservation. The completion of the reservation transitions the patron to a different region of the application screen hierarchy, and instead of being in the `new reservation` branch (23-26), the interface jumps to a location in the `current reservations` branch (28-31), such as the Reservation Detail page 29, showing the reservation just made.

[0055] Another way of getting to the Reservation Detail screen 29 begins back on the Main application view 20 when the patron selects the current reservations option. Upon doing this, the Current Reservations List 28 is shown, which lists all pending parking reservations, for example in order of the date and time at which the reservation starts. Besides the start time, each entry in the list should show some

additional information to remind the patron of each instance, for example the destination may be presented.

[0056] Upon selecting one of the reservations from the Current Reservations List 28, the corresponding Reservation Detail screen 29 is shown, listing the same details that were selected and known when the reservation was made. Clicking on the destination entry on this screen can bring up a Spot/Destination Map screen 30, showing the location of the parking spot with respect to the destination.

[0057] The Reservation Detail screen 29 also presents a connect option to direct the smart phone application to attempt communication with the EV charging system 4 (or other parking spot amenity system or access device 11, e.g., a hotel room lock) and to provide the reservation certificate 5 to the charger 6 or device (11), thereby enabling it 32 for the interval of the reservation.

[0058] The Charger Enabled screen 31 can be used to monitor the connection attempt and confirm activation resulting from a successful connect action, and may also initiate a timer (not shown) on the smart phone to generate an alert as the parking interval is about to expire.

[0059] Several descriptions and illustrations have been presented to aid in understanding the features of the present invention. One skilled in the art will realize that numerous changes and variations are possible without departing from the spirit of the invention. Each of these changes and variations is within the scope of the present invention.

WHAT IS CLAIMED IS:

1. An access device comprising
a door lock;
a processor having control of the door lock;
a communication module connected to the processor for communication to a wireless device;
and,
a memory, accessible to the processor, in which a parameter for the operation of the access device is stored,
wherein the processor receives a digital certificate through the communication module from the wireless device, the digital certificate comprising an update for the parameter, and the processor updates the parameter in accordance with the digital certificate.
2. The access control system of claim 1 wherein the parameter is a unique ID of the access device.
3. The access control system of claim 2 wherein the digital certificate further allows access and the processor updates the unique ID after access has been allowed.
4. The access control system of claim 2 wherein the digital certificate further allows access and the processor updates the unique ID after access is complete.
5. The access control system of claim 1 wherein the parameter is an encryption decoding key of the access device.

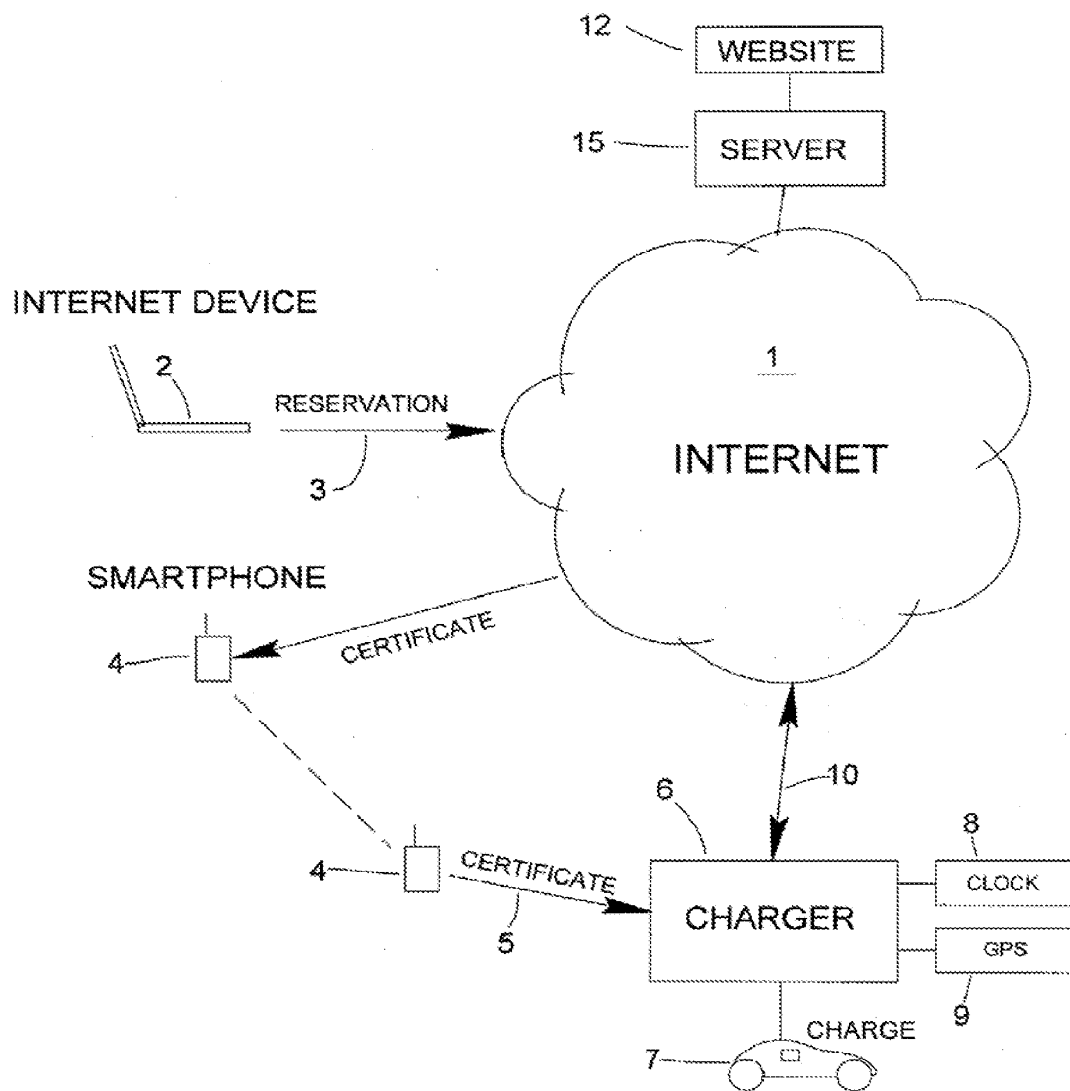
6. The access control system of claim 5 wherein the digital certificate further allows access and the processor updates the encryption decoding key for use with a subsequent digital certificate.

7. The access control system of claim 1 wherein, in response to the parameter being updated by the processor, the processor sends a notification through the communication module that a changeover of the parameter has taken place.

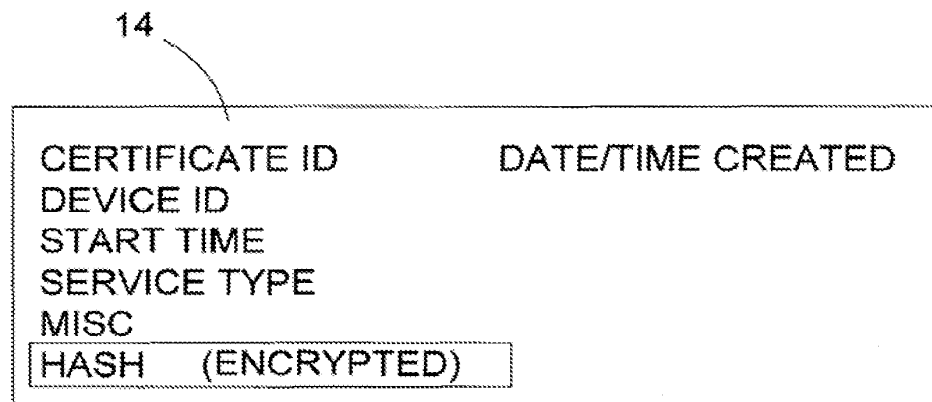
ABSTRACT OF THE DISCLOSURE

Systems and methods are provided to allow a smart phone or any terminal to activate a door lock using a web site or server computer system. An access control system is provided that includes a server and an access device. The access device includes a processor and a communication module. The process has control of a door lock and is able to receive a reservation certificate presented by a portable terminal through the communication module. The processor activates the door lock when a current reservation certificate has been presented.

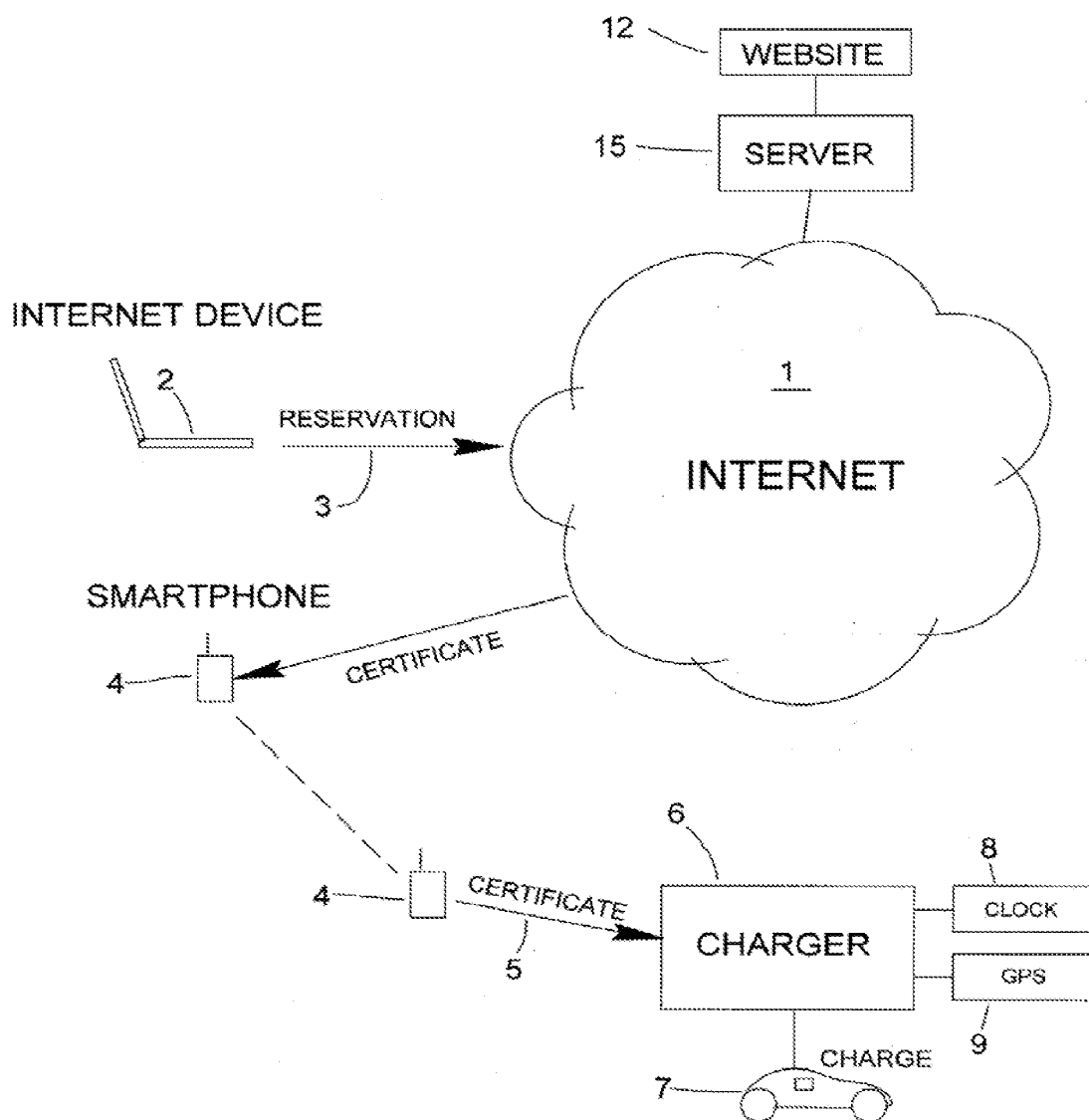
1/7

**FIG. 1**

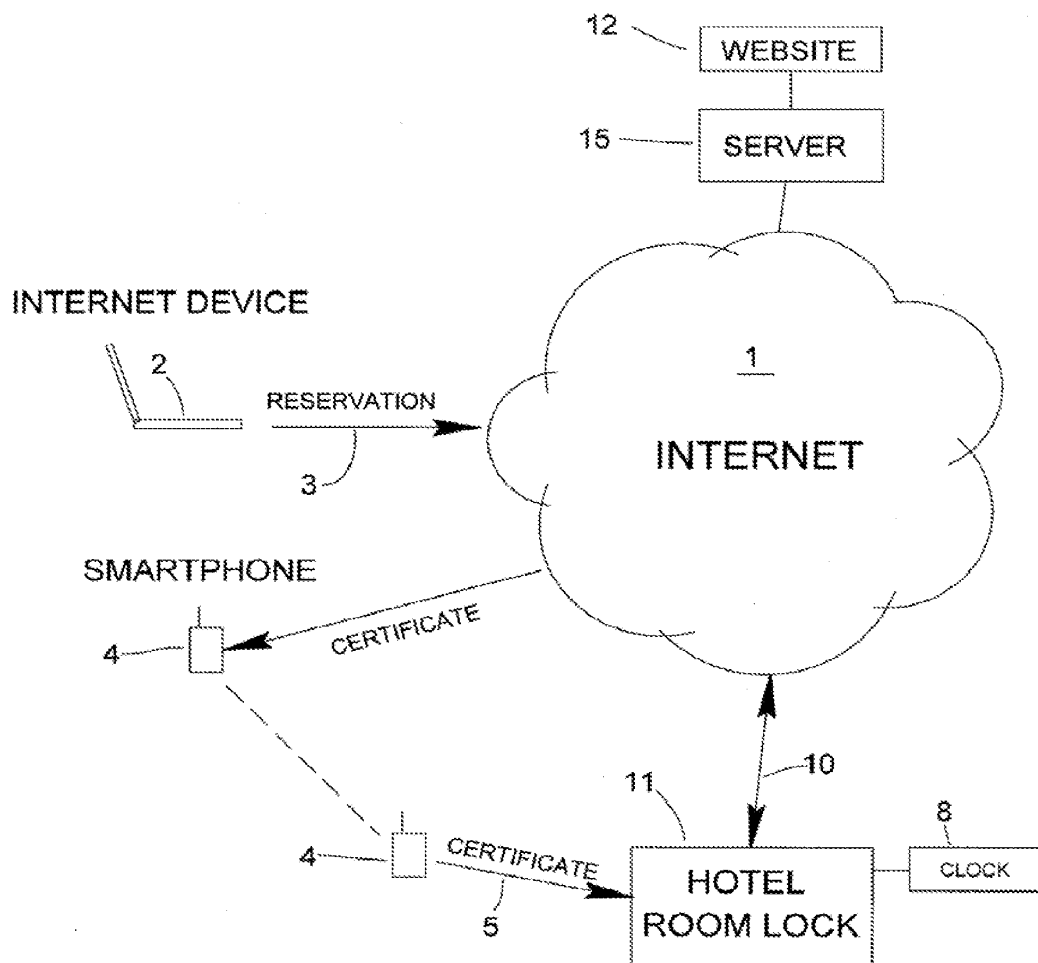
2/7

**FIG. 2**

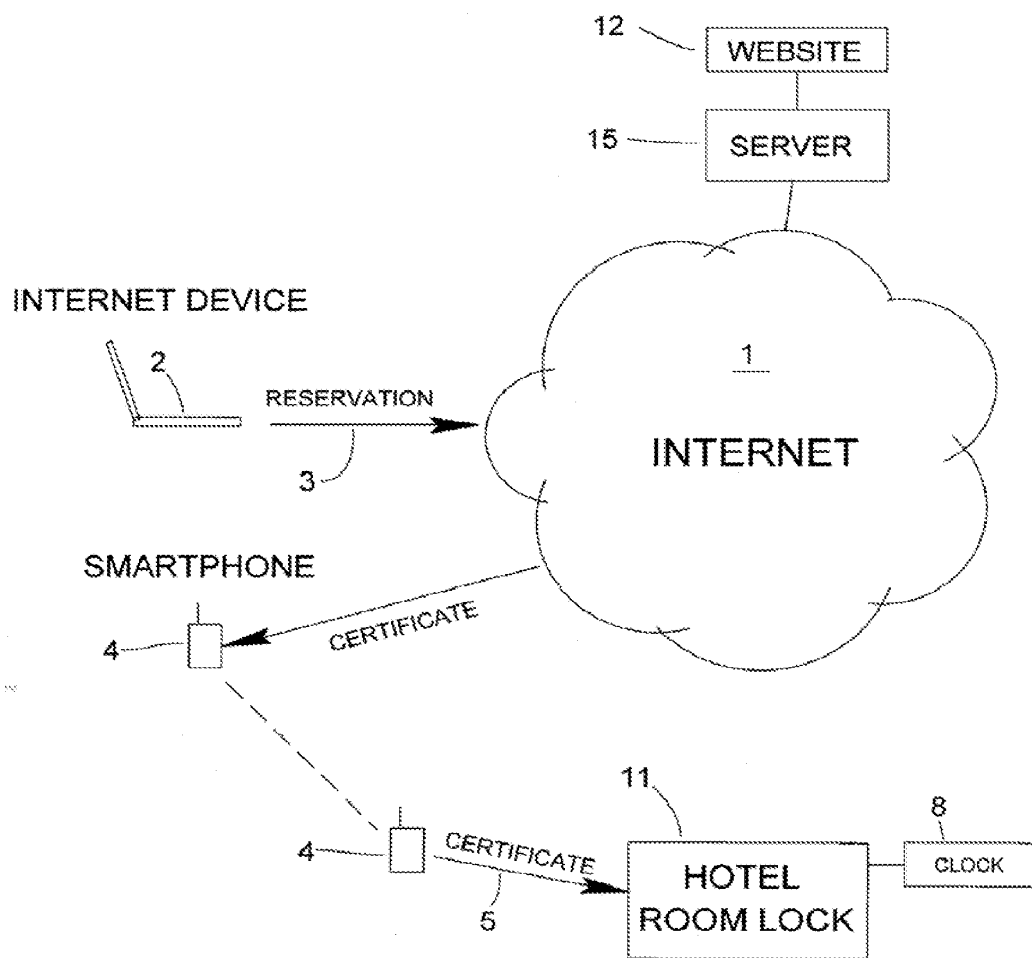
3/7

**FIG. 3**

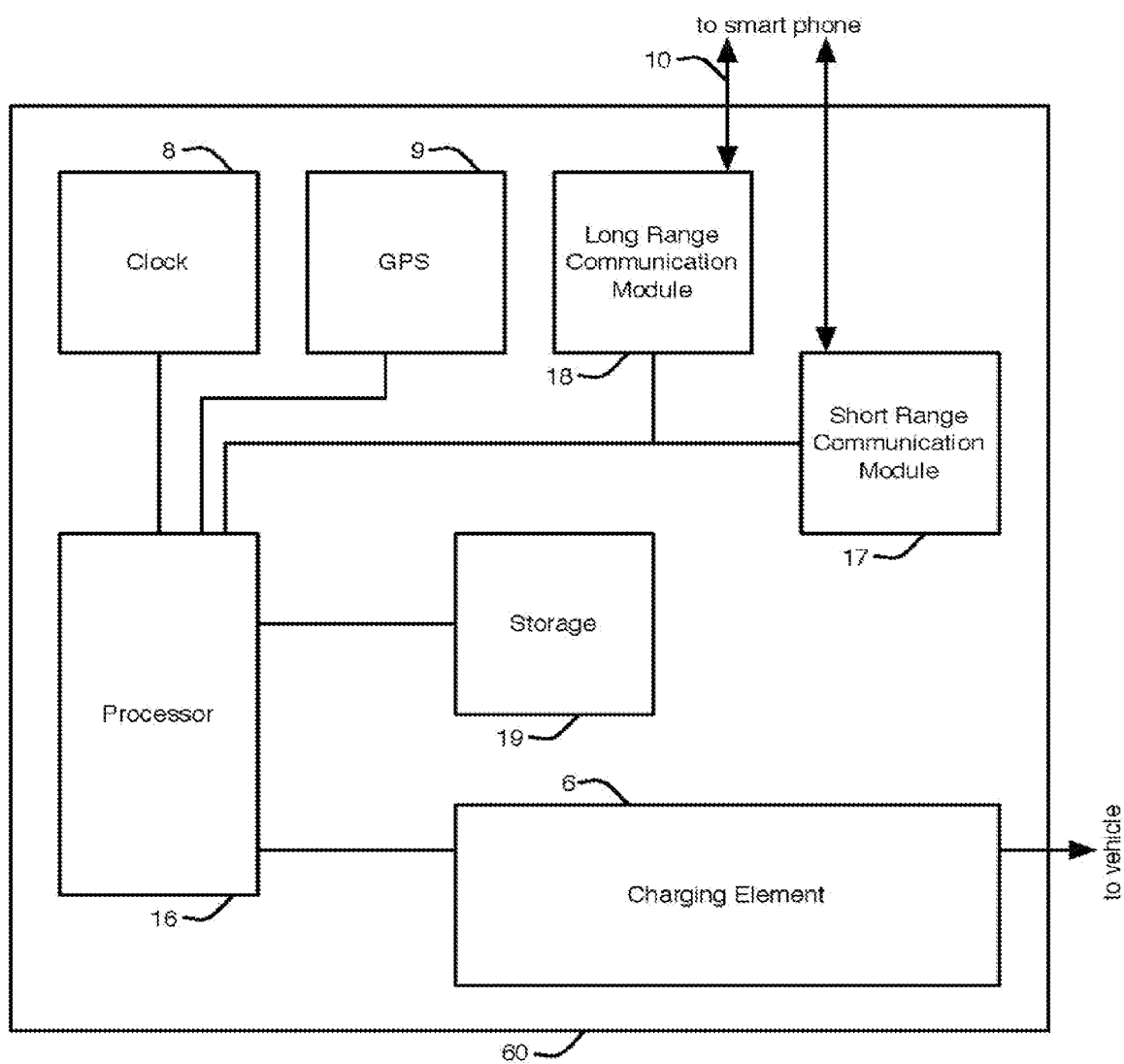
4/7

**FIG. 4**

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**FIG. 5**

6/7

**FIG. 6**

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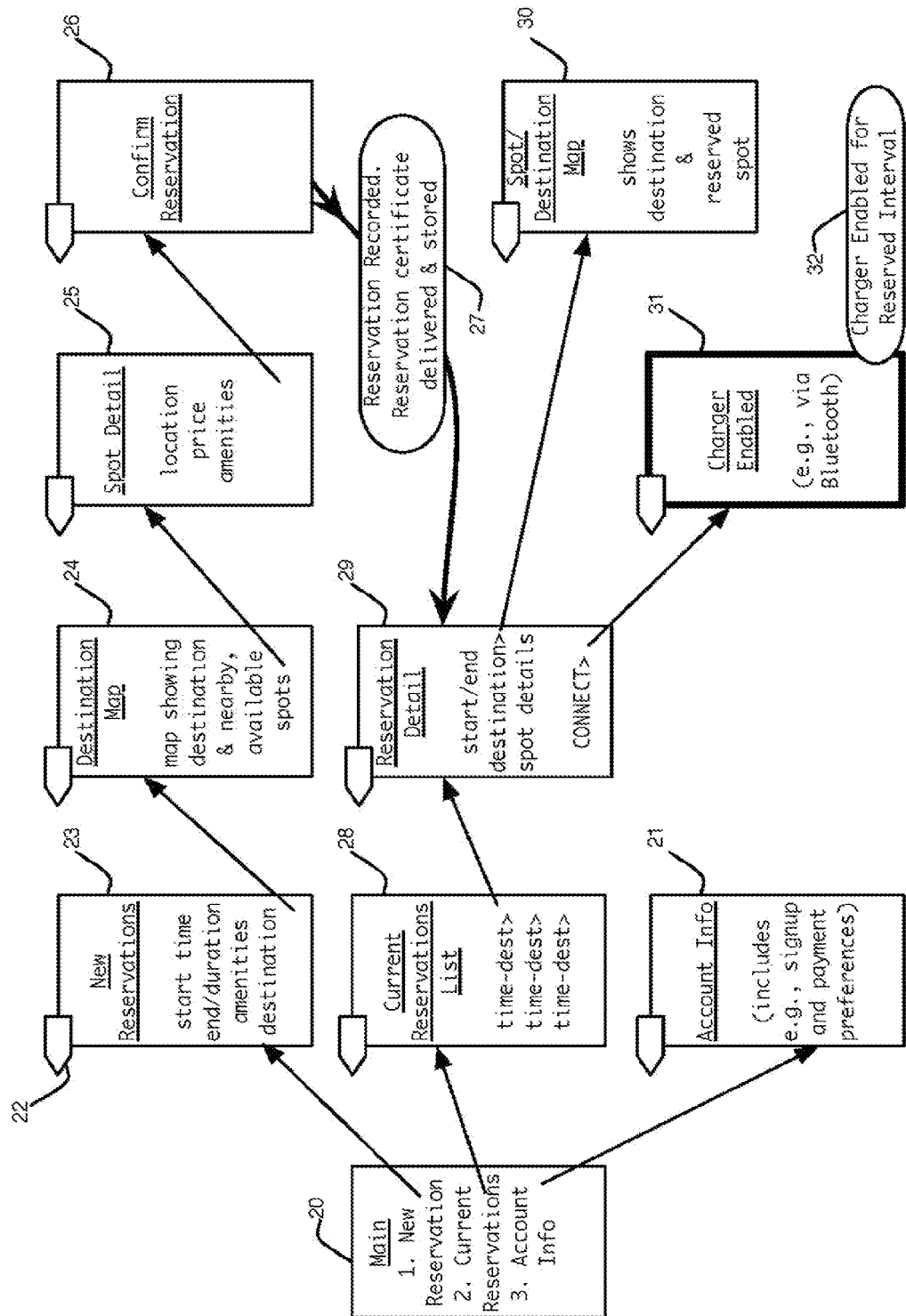
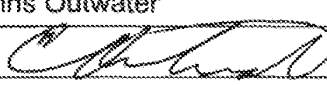


FIG. 7

SUBSTITUTE SHEET (RULE 26)

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.

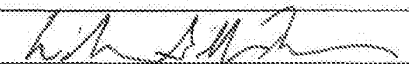
DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	An Access Control System and Method for Use by an Access Device
As the below named inventor, I hereby declare that: This declaration is directed to: ☒ The attached application, or ☐ United States application or PCT international application number _____ filed on _____ The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. 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.	
LEGAL NAME OF INVENTOR	
Inventor: Chris Outwater	
Date (Optional): _____	
Signature: 	
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.	

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. 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 1 minute 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-9198 and select option 3.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	An Access Control System and Method for Use by an Access Device
As the below named inventor, I hereby declare that: This declaration is directed to: ☒ The attached application, or ☐ United States application or PCT international application number _____ filed on _____. The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. 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.	
LEGAL NAME OF INVENTOR	
Inventor: William Gibbens Redmann Date (Optional): 20 Jan 2015	
Signature: 	
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.	

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. 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 1 minute 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.



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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
15/609,055	05/31/2017	2431	730	LBT0010-CON2	7	1

CONFIRMATION NO. 6696

FILING RECEIPT



0000000091909607

67050
KASHA LAW LLC
14532 Dufief Mill Road
North Potomac, MD 20878

Date Mailed: 06/09/2017

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)

Chris Outwater, Carpinteria, CA;
William Gibbens Redmann, Glendale, CA;

Applicant(s)

Liberty PlugIns, Inc., Santa Barbara, CA;

Assignment For Published Patent Application

Liberty PlugIns, Inc., Santa Barbara, CA

Power of Attorney: The patent practitioners associated with Customer Number 67050

Domestic Priority data as claimed by applicant

This application is a CON of 15/178,849 06/10/2016
which is a CON of 14/603,434 01/23/2015 PAT 9373205
which is a CON of 13/582,467 09/04/2012 PAT 8996876
which is a 371 of PCT/US11/26781 03/02/2011
which claims benefit of 61/309,813 03/02/2010

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: 06/07/2017

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/609,055**

Projected Publication Date: 09/14/2017

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

Access Control System and Method for Use by an Access Device

Preliminary Class

380

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

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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.

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page 2 of 4

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Title 37, Code of Federal Regulations, 5.11 & 5.15

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PATENT APPLICATION FEE DETERMINATION RECORD						Application or Docket Number 15/609,055	
Substitute for Form PTO-875							
APPLICATION AS FILED - PART I							
(Column 1)		(Column 2)		SMALL ENTITY		OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	70		N/A	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	300		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	360		N/A	
TOTAL CLAIMS (37 CFR 1.16(j))	7	minus 20 = *	x 40 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1	minus 3 = *	x 210 =	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			
			TOTAL	730		TOTAL	
* If the difference in column 1 is less than zero, enter "0" in column 2.							
APPLICATION AS AMENDED - PART II							
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	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	
(Column 1)		(Column 2)		(Column 3)		OTHER THAN SMALL ENTITY	
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	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	
						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	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/609,055	05/31/2017	Chris Outwater	LBT0010-CON2

CONFIRMATION NO. 6696

67050
KASHA LAW LLC
14532 Dufief Mill Road
North Potomac, MD 20878

PUBLICATION NOTICE



OC000000094078433

Title:Access Control System and Method for Use by an Access Device

Publication No.US-2017-0263063-A1

Publication Date:09/14/2017

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.

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Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: OUTWATER ET AL. Serial No.: 15/609,055 Filed: May 31, 2017 For: ACCESS CONTROL SYSTEM AND METHOD FOR USE BY AN ACCESS DEVICE	Confirmation No.: 6696 Art Unit: 2433 Examiner: Brandon S. Hoffman
--	--

PRELIMINARY AMENDMENT**MAIL STOP: AMENDMENTS**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Prior to substantive examination of the above-identified application, please amend the application as follows:

Amendments to the Claims are reflected in the listing of claims that begins on page 2 of this paper.

Remarks begin on page 7 of this paper.

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in this application.

Listing of the Claims:

1-7. (Cancelled).

8. (New): An access control system comprising:

- a) an access device comprising a communication module connected to a processor having control of a door lock;
- b) a reservation interface to receive a reservation request;
- c) a reservation server, in communication with the reservation interface via a network, to:
 - receive the reservation request;
 - issue a reservation certificate describing an interval of a reservation based on the reservation request; and
 - transmit, from the reservation server to a smartphone, the reservation certificate and a communication setting corresponding to the access device;
- d) a smartphone application installed on the smartphone to receive the reservation certificate and the communication setting corresponding to the access device, wherein the smartphone application wirelessly transmits the reservation certificate to the access device using the communication setting upon receipt of a command to activate the door lock; and

e) wherein the access device receives the reservation certificate from the smartphone application based on use by the smartphone application of the communication setting, and the processor activates the door lock based on at least the receipt of the reservation certificate.

9. (New): The system of claim 8 wherein the access device comprises a unique identifier, and wherein at least the reservation certificate or the communication setting contains the unique identifier.

10. (New): The system of claim 8 wherein at least a portion of the reservation certificate is encrypted and wherein the access device decrypts the encrypted portion of the reservation certificate.

11. (New): The system of claim 8 wherein the reservation certificate comprises information indicative of a reservation duration.

12. (New): The system of claim 11 wherein the access device comprises an internal clock, and wherein the access device determines whether to activate the door lock based on at least a comparison of the information indicative of the reservation duration and the internal clock.

13. (New): The system of claim 8 wherein the smartphone application transmits the reservation certificate to the access device upon determining that the smartphone is within short-range wireless transmission distance of the access device.

14. (New): The system of claim 8 wherein the smartphone application displays a button on the smartphone to activate the door lock after receipt by the access device of the reservation certificate, and confirmation by the access device that the reservation certificate is a valid reservation certificate for activation of the door lock, and wherein pressing the button generates the command.

15. (New): The system of claim 8 wherein the reservation server transmits the reservation certificate to the smartphone via a first communication protocol, and wherein the smartphone application transmits the reservation certificate to the access device via a second communication protocol that is different from the first communication protocol.

16. (New): A method for use by an access device in an access control system, the method comprising:

- a) transmitting, via a wireless protocol by a smartphone application installed on a smartphone using a communication setting, a reservation certificate describing an interval of a reservation to an access device in communication with a processor having control of a door lock;
- b) receiving, by the processor via a communication module, the reservation certificate transmitted by the smartphone application;
- c) determining, by the processor, that the reservation certificate is valid based on at least one of a timestamp and the interval of the reservation;
- d) displaying, by the smartphone application, a button to activate the door lock;

e) receiving, by the processor, an indication that the button has been pressed and, upon receipt of such indication, activating the door lock.

17. (New): The method of claim 16 further comprising:

determining, by the processor, that at least a portion of the reservation certificate is encrypted; and

decrypting the encrypted portion of the reservation certificate.

18. (New): The method of claim 16 further comprising initiating, by the smartphone application, a handshake communication with the access device.

19. (New): The method of claim 18 further comprising responding, by the access device, to the handshake communication message initiated by the smartphone application.

20. (New): The method of claim 16 wherein the wireless protocol comprises a Bluetooth protocol.

21. (New): The method of claim 16 wherein at least the reservation certificate or the communication setting comprise a unique identifier corresponding to a unique identifier for the access device.

22. (New): The method of claim 16 wherein transmitting via a wireless protocol comprises transmitting as the smartphone approaches the access device.

23. (New): The method of claim 22 wherein transmitting as the smartphone approaches the access device comprises transmitting when the smartphone is within Bluetooth wireless transmission distance.

24. (New): The method of claim 16 further comprising automatically removing the reservation certificate from the smartphone application at a time after the reservation interval.

25. (New): A computer-based method comprising the steps of:

- a) receiving, by a smartphone application from a reservation server connected to a network, a communication setting and a reservation certificate describing an interval of a reservation, wherein at least a portion of the reservation certificate is encrypted;
- b) storing, by the smartphone application, the communication setting and the reservation certificate;
- c) transmitting, by the smartphone application to a remote access device in control of a door lock, the reservation certificate using at least the communication setting;
- d) deriving, by a processor on the access device, security data for the reservation certificate; and
- e) activating the door lock.

26. (New): The computer-based method of claim 25 wherein transmitting comprises transmitting via short-range wireless transmission.

Serial No.: 15/609,055
Art Unit: 2433

Attorney's Docket No.: LBT0010-CON2
Page 7

27. (New): The computer-based method of claim 25 wherein deriving security data comprises at least one of deriving a unique identifier for the access device and deriving an encryption key.

Serial No.: 15/609,055
Art Unit: 2433

Attorney's Docket No.: LBT0010-CON2
Page 8

REMARKS

By this preliminary amendment, claims 1-7 are cancelled, and new claims 8-27 are added. No new matter is introduced. The Applicant believes the instant application is in condition for allowance. Therefore, it is requested that a Notice of Allowance be issued in due course.

Conclusion

In view of the foregoing, claims 8-27 are believed to be in condition for allowance. Should the Examiner have any questions or determine that any further action is desirable to place this application in even better condition for issue, the Examiner is encouraged to telephone the Applicant's undersigned representative at the number listed below.

KASHA LAW LLC
14532 Dufief Mill Rd.
North Potomac, MD 20878
Tel. 240-423-8431
Date: January 19, 2018

Respectfully submitted,

By: /Kelly L. Kasha/
Kelly L. Kasha
Registration No. 47,743

Customer No. 67050

Electronic Acknowledgement Receipt	
EFS ID:	31543984
Application Number:	15609055
International Application Number:	
Confirmation Number:	6696
Title of Invention:	Access Control System and Method for Use by an Access Device
First Named Inventor/Applicant Name:	Chris Outwater
Customer Number:	67050
Filer:	John Kasha/Kelly Kasha
Filer Authorized By:	John Kasha
Attorney Docket Number:	LBT0010-CON2
Receipt Date:	19-JAN-2018
Filing Date:	31-MAY-2017
Time Stamp:	09:20:15
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Preliminary Amendment	LBT0010- CON2_prel_amt_01_19_2018. pdf	105002	no	8
			f634392f845ad2eea16072b5045aca33afdb b248		

Warnings:

Information:	
Total Files Size (in bytes):	105002
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 15/609,055		Filing Date 05/31/2017		☐ To be Mailed		
ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO										
APPLICATION AS FILED - PART I										
		(Column 1)	(Column 2)							
FOR		NUMBER FILED	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(j))		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										
		(Column 1)	(Column 2)	(Column 3)						
AMENDMENT	01/19/2018	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)			
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	x \$50 =		0		
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0	x \$230 =		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		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	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".					Vincent S Butler					
*** 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.										

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("9911258").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/03/16 10:14
L2	7032	(713/176).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/03/16 10:14
L3	174	(OUTWATER near CHRIS REDMANN near WILLIAM).in.	US-PGPUB; USPAT; USOCR	OR	ON	2018/03/16 10:14
L18	7032	(713/176).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/03/16 10:36
L19	11826	(G06Q20/32 OR G06Q20/38215 OR G07F15/005 OR H04L9/3263 OR Y02T90/12).CPC.	US-PGPUB; USPAT; USOCR	OR	ON	2018/03/16 10:36
L20	18408	L18 L19	US-PGPUB; USPAT; USOCR	OR	ON	2018/03/16 10:36
L21	241	reservation with certificate	US-PGPUB; USPAT; USOCR	OR	ON	2018/03/16 10:36
L22	1277879	phone	US-PGPUB; USPAT; USOCR	OR	ON	2018/03/16 10:36
L23	68904	digital with signature	US-PGPUB; USPAT; USOCR	OR	ON	2018/03/16 10:36
L24	45	L21 and L22 and L23	US-PGPUB; USPAT; USOCR	OR	ON	2018/03/16 10:36
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or ("20030195847") or

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L29	2036556	reserv\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2018/03/16 10:39

EAST Search History

			IBM_TDB			
L30	248703	certificate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/03/16 10:39
L31	5	21 and 28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/03/16 10:39

EAST Search History (Interference)

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3/ 16/ 2018 10:48:48 AM

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<i>Index of Claims</i> 	Application/Control No. 15/609,055	Applicant(s)/Patent Under Reexamination Outwater et al.
	Examiner BRANDON S HOFFMAN	Art Unit 2433

✓	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	03/16/2018								
	1	-								
	2	-								
	3	-								
	4	-								
	5	-								
	6	-								
	7	-								
	8	✓								
	9	✓								
	10	✓								
	11	✓								
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	21	✓								
	22	✓								
	23	✓								
	24	✓								
	25	✓								
	26	✓								
	27	✓								

<i>Notice of References Cited</i>	Application/Control No. 15/609,055		Applicant(s)/Patent Under Reexamination Outwater et al.	
	Examiner BRANDON S HOFFMAN		Art Unit 2433	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-20020100803-A1	08-2002	Sehr, Richard P.	G06Q10/02	235/384
*	B	US-6233577-B1	05-2001	Ramasubramani; Seetharaman	H04L29/06	1/1
	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					
	O					
	P					
	Q					
	R					
	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.

U.S. Patent and Trademark Office
PTO-892 (Rev. 01-2001)

Notice of References Cited

Part of Paper No. 20180316

<i>Search Notes</i> 	Application/Control No. 15/609,055	Applicant(s)/Patent Under Reexamination Outwater et al.
	Examiner BRANDON S HOFFMAN	Art Unit 2433

CPC - Searched*		
Symbol	Date	Examiner

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
713	176 - with keyword limiters	03/16/2018	BH

* 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
inventor name search	03/16/2018	BH
see attached EAST search notes	03/16/2018	BH

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

/BRANDON S HOFFMAN/ Primary Examiner, Art Unit 2433	
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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.
15/609,055	05/31/2017	Chris Outwater	LBT0010-CON2	6696
67050	7590	03/21/2018	EXAMINER	
KASHA LAW LLC 14532 Dufief Mill Road North Potomac, MARYLAND 20878 UNITED STATES OF AMERICA			HOFFMAN, BRANDON S	
			ART UNIT	PAPER NUMBER
			2433	
			NOTIFICATION DATE	DELIVERY MODE
			03/21/2018	ELECTRONIC

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.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

JOHN.KASHA@KASHALAW.COM

Notice of Pre-AIA or AIA Status

The present application is being examined under the pre-AIA first to invent provisions.

DETAILED ACTION

1. Claims 8-27 are pending in this office action.

Specification

2. The disclosure is objected to because of the following informalities: the CROSS-REFERENCE TO RELATED APPLICATION section needs to be updated to reflect applications that have matured into patents. Appropriate correction is required.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the “right to exclude” granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the

reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP §§ 706.02(l)(1) - 706.02(l)(3) for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO Internet website contains terminal disclaimer forms which may be used. Please visit www.uspto.gov/patent/patents-forms. The filing date of the application in which the form is filed determines what form (e.g., PTO/SB/25, PTO/SB/26, PTO/AIA/25, or PTO/AIA/26) should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp.

1. Claims 8-27 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-20 of U.S. Patent No. 9,911,258. Although the claims at issue are not identical, they are not patentably distinct from each other because both application and patent claim an access device having control of a door lock, a reservation server, a smartphone that receives a reservation certificate, and activating the door lock based on receipt of the reservation certificate. The instant application further claims a reservation interface, and that the smartphone wirelessly transmits the certificate. It would have been obvious to use an interface and wireless transmission because the interface provides an intuitive way for a user to interact and the wireless transmission makes it easier for the certificate to be transmitted from phone to server.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRANDON S HOFFMAN whose telephone number is (571)272-3863. The examiner can normally be reached on Monday-Friday 8:30AM-5:00PM.

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, Jeffrey Pwu can be reached on (571)272-6798. 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.

/BRANDON S HOFFMAN/
Primary Examiner, Art Unit 2433

Bibliographic Data

Application No: 15609055

Foreign Priority claimed:

☐ Yes ☒ No

35 USC 119 (a-d) conditions met:

☐ Yes ☒ No

☐ Met After Allowance

Verified and Acknowledged:

/BRANDON S HOFFMAN/

Examiner's Signature

Initials

Title:

Access Control System and Method for Use by an Access Device

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
05/31/2017	713	2433	LBT0010-CON2
RULE			

APPLICANTS

Liberty PlugIns, Inc., Santa Barbara, CA, UNITED STATES

INVENTORS

Chris Outwater, Carpinteria, CA, UNITED STATES

William Gibbens Redmann, Glendale, CA, UNITED STATES

CONTINUING DATA

This application is a CON of 15178849 06/10/2016 PAT 9911258

15178849 is a CON of 14603434 01/23/2015 PAT 9373205

14603434 is a CON of 13582467 09/04/2012 PAT 8996876

13582467 is a 371 of PCT/US11/26781 03/02/2011

PCT/US11/26781 has PRO of 61309813 03/02/2010

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

06/07/2017

STATE OR COUNTRY

UNITED STATES

ADDRESS

KASHA LAW LLC
14532 Dufief Mill Road
North Potomac, MD 20878
UNITED STATES

FILING FEE RECEIVED

\$730

Doc Code: DIST.E.FILE Document Description: Electronic Terminal Disclaimer - Filed		PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce
Electronic Petition Request	TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT	
Application Number	15609055	
Filing Date	31-May-2017	
First Named Inventor	Chris Outwater	
Attorney Docket Number	LBT0010-CON2	
Title of Invention	Access Control System and Method for Use by an Access Device	
☒ Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action ☒ This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.		
Owner	Percent Interest	
Liberty PlugIns, Inc.	100%	
The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s) 9911258 as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns. In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later: - expires for failure to pay a maintenance fee; - is held unenforceable; - is found invalid by a court of competent jurisdiction; - is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321; - has all claims canceled by a reexamination certificate; - is reissued; or - is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer. ☒ Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.		

☐ I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.	
Applicant claims the following fee status: ☒ Small Entity ☐ Micro Entity ☐ Regular Undiscounted	
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 Section 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.	
THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES I certify, in accordance with 37 CFR 1.4(d)(4) that I am: ☒ An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application Registration Number <u>47743</u> ☐ A sole inventor ☐ A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application ☐ A joint inventor; all of whom are signing this request	
Signature	/Kelly Kasha/
Name	Kelly Kasha

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
 Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Electronic Patent Application Fee Transmittal				
Application Number:		15609055		
Filing Date:		31-May-2017		
Title of Invention:		Access Control System and Method for Use by an Access Device		
First Named Inventor/Applicant Name:		Chris Outwater		
Filer:		John Kasha/Kelly Kasha		
Attorney Docket Number:		LBT0010-CON2		
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
STATUTORY OR TERMINAL DISCLAIMER	2814	1	160	160
Pages:				
Claims:				
Miscellaneous-Filing:				
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 (\$)				160

Doc Code: DISQ.E.FILE

Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 15609055

Filing Date: 31-May-2017

Applicant/Patent under Reexamination: Outwater

Electronic Terminal Disclaimer filed on March 22, 2018

☒ APPROVED

This patent is subject to a terminal disclaimer

☐ DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

Electronic Acknowledgement Receipt	
EFS ID:	32119134
Application Number:	15609055
International Application Number:	
Confirmation Number:	6696
Title of Invention:	Access Control System and Method for Use by an Access Device
First Named Inventor/Applicant Name:	Chris Outwater
Customer Number:	67050
Filer:	John Kasha/Kelly Kasha
Filer Authorized By:	John Kasha
Attorney Docket Number:	LBT0010-CON2
Receipt Date:	22-MAR-2018
Filing Date:	31-MAY-2017
Time Stamp:	11:26:40
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$160
RAM confirmation Number	032218INTEFSW11263800
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	Terminal Disclaimer-Filed (Electronic)	eTerminal-Disclaimer.pdf	33397	no	2
			24a62cc93871abae4747a01e4212a850d9432c27		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30556	no	2
			bcd50af2ca86de15259bd4ccf35454c7d0a9facf		
Warnings:					
Information:					
Total Files Size (in bytes):			63953		
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. <u>New Applications Under 35 U.S.C. 111</u> 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. <u>National Stage of an International Application under 35 U.S.C. 371</u> 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. <u>New International Application Filed with the USPTO as a Receiving Office</u> 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

In re the Application of: OUTWATER ET AL. Serial No.: 15/609,055 Filed: May 31, 2017 For: ACCESS CONTROL SYSTEM AND METHOD FOR USE BY AN ACCESS DEVICE	Confirmation No.: 6696 Art Unit: 2433 Examiner: Brandon S. Hoffman
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AMENDMENT**MAIL STOP: AMENDMENTS**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Non-Final Office Action mailed March 21, 2018, please consider the following remarks.

No fees are believed to be due. However, any fee necessary for consideration of this response is hereby authorized to be charged to Deposit Account Number 50-4075.

Amendments to the Specification begin on page 2 of this paper.

Remarks begin on page 3 of this paper.

Amendments to the Specification:

Please replace paragraph [0001] with the following amended paragraph:

[0001] This application is a continuation of U.S. patent application Ser. No. 15/178,849, filed Jun. 10, 2016, now U.S. Pat. No. 9,911,258, which is a continuation of U.S. patent application Ser. No. 14/603,434, filed Jan. 23, 2015, now U.S. Pat. No. 9,373,205, which is a continuation of U.S. patent application Ser. No. 13/582,467, filed Sep. 4, 2012, now U.S. Pat. No. 8,996,879, which is a national stage application of PCT Application No. PCT/US11/26781, filed Mar. 2, 2011, which claims the benefit of U.S. Provisional Patent Application No. 61/309,813, filed Mar. 2, 2010. All of the above mentioned applications are incorporated by reference herein in their entireties.

REMARKS

Claims 8-27 are pending in this application. By this amendment, the specification is amended to reflect the patent number of a prior application that has matured into a patent. No new matter is introduced. The Applicant believes the instant application is in condition for allowance. Therefore, it is requested that a Notice of Allowance be issued in due course.

Specification Objection

In the Non-Final Office Action mailed March 21, 2018, the “disclosure is objected to because of the following informalities: the CROSS-REFERENCE TO RELATED APPLICATION section needs to be updated to reflect applications that have matured into patents.” The Specification has been amended to reflect the patent number of a prior application that has matured into a patent. Withdrawal of the Specification objection is respectfully requested.

Non-Statutory Double Patenting Rejections

Claims 8-27 are rejected on the ground of non-statutory obviousness-type double patenting as being unpatentable over claims 1-20 of prior U.S. Patent No. 9,911,258 (hereinafter the “‘258 patent”).

The Applicant files herewith a Terminal Disclaimer over the ‘258 patent. Accordingly, withdrawal of the rejection of the claims based on the judicially created doctrine of double patenting is respectfully requested.

Serial No.: 15/609,055
Art Unit: 2433

Attorney's Docket No.: LBT0010-CON2
Page 4

Conclusion

In view of the foregoing, claims 8-27 are believed to be in condition for allowance.
Should the Examiner have any questions or determine that any further action is desirable to place this application in even better condition for issue, the Examiner is encouraged to telephone the Applicant's undersigned representative at the number listed below.

KASHA LAW LLC
14532 Dufief Mill Rd.
North Potomac, MD 20878
Tel. 240-423-8431
Date: March 22, 2018

Respectfully submitted,
By: /Kelly L. Kasha/
Kelly L. Kasha
Registration No. 47,743

Customer No. 67050

Electronic Acknowledgement Receipt	
EFS ID:	32119192
Application Number:	15609055
International Application Number:	
Confirmation Number:	6696
Title of Invention:	Access Control System and Method for Use by an Access Device
First Named Inventor/Applicant Name:	Chris Outwater
Customer Number:	67050
Filer:	John Kasha/Kelly Kasha
Filer Authorized By:	John Kasha
Attorney Docket Number:	LBT0010-CON2
Receipt Date:	22-MAR-2018
Filing Date:	31-MAY-2017
Time Stamp:	11:27:52
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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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	LBT0010- CON2_response_03_22_2018. pdf	86986 cb389a266563621fab834ebc2a671897997 33104	no	4

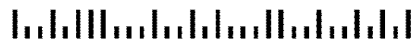
Warnings:

Information:	
Total Files Size (in bytes):	86986
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. <u>New Applications Under 35 U.S.C. 111</u> 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. <u>National Stage of an International Application under 35 U.S.C. 371</u> 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. <u>New International Application Filed with the USPTO as a Receiving Office</u> 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
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA VA 22313-1451

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KASHA LAW LLC
14532 Dufief Mill Road
North Potomac, MD 20878



**Courtesy Reminder for
Application Serial No: 15/609,055**

Attorney Docket No: LBT0010-CON2

Customer Number: 67050

Date of Electronic Notification: 03/21/2018

This is a courtesy reminder that new correspondence is available for this application. If you have not done so already, please review the correspondence. The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

An email notification regarding the correspondence was sent to the following email address(es) associated with your customer number:

JOHN.KASHA@KASHALAW.COM

To view your correspondence online or update your email addresses, please visit us anytime at <https://sportal.uspto.gov/secure/myportal/privatepair>. If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov or call 1-866-217-9197.



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

NOTICE OF ALLOWANCE AND FEE(S) DUE

67050 7590 06/06/2018
KASHA LAW LLC
14532 Dufief Mill Road
North Potomac, MARYLAND 20878
UNITED STATES OF AMERICA

EXAMINER

HOFFMAN, BRANDON S

ART UNIT PAPER NUMBER

2433

DATE MAILED: 06/06/2018

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/609,055	05/31/2017	Chris Outwater	LBT0010-CON2	6696

TITLE OF INVENTION: Access Control System and Method for Use by an Access Device

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$500	\$0.00	\$0.00	\$500	09/06/2018

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.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

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.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (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)

67050 7590 06/06/2018
KASHA LAW LLC
14532 Dufief Mill Road
North Potomac, MARYLAND 20878
UNITED STATES OF AMERICA

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 facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/609,055	05/31/2017	Chris Outwater	LBT0010-CON2	6696

TITLE OF INVENTION: Access Control System and Method for Use by an Access Device

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$500	\$0.00	\$0.00	\$500	09/06/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
HOFFMAN, BRANDON S	2433	713-156000

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 03-02 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 has been filed for recordation as set forth in 37 CFR 3.11. 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. The following fee(s) are submitted:

☐ Issue Fee

☐ Publication Fee (No small entity discount permitted)

☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

☐ A check is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

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. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/609,055	05/31/2017	Chris Outwater	LBT0010-CON2	6696
67050	7590	06/06/2018	EXAMINER	
KASHA LAW LLC 14532 Dufief Mill Road North Potomac, MARYLAND 20878 UNITED STATES OF AMERICA			HOFFMAN, BRANDON S	
			ART UNIT	PAPER NUMBER
			2433	

DATE MAILED: 06/06/2018

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.

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 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, 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. 15/609,055	Applicant(s) Outwater et al.	
	Examiner BRANDON S HOFFMAN	Art Unit 2433	AIA Status No

-- 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 amendment filed March 22, 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 8-27. 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)	5. ☐ Examiner's Amendment/Comment
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.	6. ☐ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.	7. ☐ Other _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____.	

/BRANDON S HOFFMAN/ Primary Examiner, Art Unit 2433	
--	--

<i>Search Notes</i> 	Application/Control No. 15/609,055	Applicant(s)/Patent Under Reexamination Outwater et al.
	Examiner BRANDON S HOFFMAN	Art Unit 2433

CPC - Searched*		
Symbol	Date	Examiner

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
713	176 - with keyword limiters	03/16/2018	BH

* 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
inventor name search	03/16/2018	BH
see attached EAST search notes	03/16/2018	BH
updated EAST search notes	05/31/2018	BH

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	searched claim language	05/31/2018	BH

/BRANDON S HOFFMAN/ Primary Examiner, Art Unit 2433	
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<i>Index of Claims</i> 	Application/Control No. 15/609,055	Applicant(s)/Patent Under Reexamination Outwater et al.
	Examiner BRANDON S HOFFMAN	Art Unit 2433

✓	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	03/16/2018	05/31/2018							
	1	-								
	2	-								
	3	-								
	4	-								
	5	-								
	6	-								
	7	-								
	8	✓	=							
	9	✓	=							
	10	✓	=							
	11	✓	=							
	12	✓	=							
	13	✓	=							
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	16	✓	=							
	17	✓	=							
	18	✓	=							
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	20	✓	=							
	21	✓	=							
	22	✓	=							
	23	✓	=							
	24	✓	=							
	25	✓	=							
	26	✓	=							
	27	✓	=							

Issue Classification 	Application/Control No. 15/609,055	Applicant(s)/Patent Under Reexamination Outwater et al.
	Examiner BRANDON S HOFFMAN	Art Unit 2433

CPC						
Symbol					Type	Version
G07C	/	9	/	00103	F	2013-01-01
G06Q	/	20	/	045	I	2013-01-01
G06Q	/	20	/	32	I	2013-01-01
G06Q	/	20	/	3223	I	2013-01-01
G06Q	/	20	/	38215	I	2013-01-01
G06Q	/	30	/	06	I	2013-01-01
G07F	/	5	/	26	I	2013-01-01
G07F	/	15	/	005	I	2013-01-01
H04L	/	9	/	3247	I	2013-01-01
H04L	/	9	/	3263	I	2013-01-01
G07C	/	9	/	00007	I	2013-01-01
H04L	/	63	/	0428	I	2013-01-01
B60L	/	11	/	1846	I	2013-01-01
B60L	/	11	/	1848	I	2013-01-01
B60L	/	11	/	1816	I	2013-01-01
B60L	/	11	/	1824	I	2013-01-01
G06Q	/	10	/	02	I	2013-01-01
G06Q	/	20	/	322	I	2013-01-01
G06Q	/	20	/	3829	I	2013-01-01
G06Q	/	50	/	06	I	2013-01-01
G07C	/	9	/	00119	I	2013-01-01
H04L	/	9	/	3268	I	2013-01-01
H04M	/	1	/	7253	I	2013-01-01
B60L	/	11	/	1818	I	2013-01-01
B60L	/	11	/	1825	I	2013-01-01
G06Q	/	20	/	3278	I	2013-01-01
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H04W	/	12	/	08	I	2013-01-01
H04L	/	63	/	102	I	2013-01-01
H04W	/	12	/	06	I	2013-01-01
Y02T	/	90	/	128	A	2013-01-01

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/BRANDON S HOFFMAN/ Primary Examiner, Art Unit 2433	31 May 2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office

Part of Paper No.: 20180530

Issue Classification 	Application/Control No. 15/609,055	Applicant(s)/Patent Under Reexamination Outwater et al.
	Examiner BRANDON S HOFFMAN	Art Unit 2433

CPC						
Symbol				Type	Version	
Y02T	/	90	/	169	A	2013-01-01
Y04S	/	30	/	14	A	2013-01-01
H04L	/	2209	/	56	A	2013-01-01
H04L	/	2209	/	80	A	2013-01-01
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B60L	/	2230	/	40	A	2013-01-01
Y02T	/	10	/	7088	A	2013-01-01
Y02T	/	10	/	7005	A	2013-01-01
Y02T	/	90	/	16	A	2013-01-01
Y02T	/	90	/	163	A	2013-01-01
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Y02T	/	90	/	14	A	2013-01-01
B60L	/	2240	/	622	A	2013-01-01
B60L	/	2240	/	72	A	2013-01-01
B60L	/	2240	/	80	A	2013-01-01
B60L	/	2250	/	10	A	2013-01-01
H04L	/	63	/	0442	A	2013-01-01
Y02T	/	90	/	162	A	2013-01-01
Y02T	/	10	/	7291	A	2013-01-01
Y02T	/	90	/	12	A	2013-01-01
B60L	/	2230	/	12	A	2013-01-01
B60L	/	2230	/	34	A	2013-01-01
G06Q	/	2240	/	00	A	2013-01-01

CPC Combination Sets					
Symbol			Type	Set	Ranking
/	/	/			

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/BRANDON S HOFFMAN/ Primary Examiner, Art Unit 2433	31 May 2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office

Part of Paper No.: 20180530

Issue Classification 	Application/Control No. 15/609,055	Applicant(s)/Patent Under Reexamination Outwater et al.
	Examiner BRANDON S HOFFMAN	Art Unit 2433

INTERNATIONAL CLASSIFICATION			
CLAIMED			
H04L		9	32
NON-CLAIMED			
H04L		9	32

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS
713	176

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/BRANDON S HOFFMAN/ Primary Examiner, Art Unit 2433	31 May 2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification 	Application/Control No. 15/609,055	Applicant(s)/Patent Under Reexamination Outwater et al.
	Examiner BRANDON S HOFFMAN	Art Unit 2433

☒ 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

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 20	
/BRANDON S HOFFMAN/ Primary Examiner, Art Unit 2433 (Primary Examiner) _____ (Date) 31 May 2018		O.G. Print Claim(s) 1	O.G. Print Figure 1

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	247	reservation with certificate	US-PGPUB; USPAT; USOCR	OR	ON	2018/05/31 08:43
L4	250	(("20090132813") or ("20070198432") or ("20090265552") or ("20080214111") or ("20080167060") or ("20030149662") or ("20030172090") or ("20040107170") or ("20060179452") or ("20090076966") or ("7426750") or ("20090037388") or ("20010051996") or ("20030055689") or ("20060157563") or ("7349871") or ("20040098350") or ("20070173266") or ("20050027543") or ("20050109841") or ("7213766") or ("20050246292") or ("6941285") or ("20040031856") or ("20070118426") or ("20080022089") or ("6607136") or ("7599847") or ("20090210347") or ("20050216354") or ("20030145205") or ("20080133930") or ("20050085226") or ("20080108324") or ("20050136949") or ("20050114367") or ("20060219776") or ("20050077349") or ("7597250") or ("20090119159") or ("20030097331") or ("20030065805") or ("20040128514") or ("20050017068") or ("20090144624") or ("20080189212") or ("20050040951") or ("7133659") or ("20030220835") or ("20080109370") or ("6609103") or ("20080057935") or ("20080081601") or ("7487112") or ("6771981") or ("7274928") or ("20040030601") or ("7079832") or ("20050170818") or ("6615183") or ("6622124") or ("6807532") or ("20020029350") or ("7366702") or ("20020073046") or ("20070244811") or ("20090037333") or ("20090144202") or ("7155199") or ("20040019564") or ("20070083444") or ("6516316") or ("20070255662") or ("20090198618") or ("6167251") or ("20070293202") or ("20070255652") or ("20080217400") or ("7010512") or ("7505941") or ("20010000505") or ("6016476") or ("20070179895") or ("6836651") or ("20030061170") or ("20090089581") or ("6233577") or ("7379891") or ("7584149") or ("6938019") or ("7577619") or	US-PGPUB; USPAT; USOCR	OR	OFF	2018/05/31 08:43

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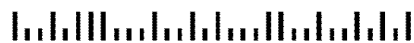
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KASHA LAW LLC
14532 Dufief Mill Road
North Potomac, MD 20878



**Courtesy Reminder for
Application Serial No: 15/609,055**

Attorney Docket No: LBT0010-CON2

Customer Number: 67050

Date of Electronic Notification: 06/06/2018

This is a courtesy reminder that new correspondence is available for this application. If you have not done so already, please review the correspondence. The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

An email notification regarding the correspondence was sent to the following email address(es) associated with your customer number:

JOHN.KASHA@KASHALAW.COM

To view your correspondence online or update your email addresses, please visit us anytime at <https://sportal.uspto.gov/secure/myportal/privatepair>. If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov or call 1-866-217-9197.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (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)

67050 7590 06/06/2018
KASHA LAW LLC
14532 Dufief Mill Road
North Potomac, MARYLAND 20878
UNITED STATES OF AMERICA

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 facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/609,055	05/31/2017	Chris Outwater	LBT0010-CON2	6696

TITLE OF INVENTION: Access Control System and Method for Use by an Access Device

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$500	\$0.00	\$0.00	\$500	09/06/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
HOFFMAN, BRANDON S	2433	713-156000

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 03-02 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 John R. Kasha
2 Kelly L. Kasha
3 Kasha Law LLC

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 has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Liberty PlugIns, Inc.

Santa Barbara, CA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☒ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number 504075. (enclose an extra copy of this form).

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 /Kelly L. Kasha/ Date July 12, 2018
Typed or printed name Kelly L. Kasha Registration No. 47,743

Electronic Patent Application Fee Transmittal				
Application Number:		15609055		
Filing Date:		31-May-2017		
Title of Invention:		Access Control System and Method for Use by an Access Device		
First Named Inventor/Applicant Name:		Chris Outwater		
Filer:		John Kasha/Kelly Kasha		
Attorney Docket Number:		LBT0010-CON2		
Filed as Small 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:				
UTILITY APPL ISSUE FEE	2501	1	500	500

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				500

Electronic Acknowledgement Receipt	
EFS ID:	33167225
Application Number:	15609055
International Application Number:	
Confirmation Number:	6696
Title of Invention:	Access Control System and Method for Use by an Access Device
First Named Inventor/Applicant Name:	Chris Outwater
Customer Number:	67050
Filer:	John Kasha/Kelly Kasha
Filer Authorized By:	John Kasha
Attorney Docket Number:	LBT0010-CON2
Receipt Date:	12-JUL-2018
Filing Date:	31-MAY-2017
Time Stamp:	20:49:06
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 500
RAM confirmation Number	071318INTEFSW20504700
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	Issue Fee Payment (PTO-85B)	LBT0010-CON2_iss_fee_trans.pdf	105234	no	1
			5a5e360bfe63d32f1ba74de1f658a3387c1761ea		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30214	no	2
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Warnings:					
Information:					
Total Files Size (in bytes):			135448		
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. <u>New Applications Under 35 U.S.C. 111</u> 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. <u>National Stage of an International Application under 35 U.S.C. 371</u> 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. <u>New International Application Filed with the USPTO as a Receiving Office</u> 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
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www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/609,055	08/14/2018	10049514	LBT0010-CON2	6696

67050 7590 07/25/2018
KASHA LAW LLC
14532 Dufief Mill Road
North Potomac, MD 20878

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 0 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):

Liberty PlugIns, Inc., Santa Barbara, CA;
Chris Outwater, Carpinteria, CA;
William Gibbens Redmann, Glendale, CA;

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.



Kasha Law LLC
An Intellectual Property Law Firm

14532 Duffield Mill Rd.
North Potomac, MD 20878

Tel. (703) 867-1886
Fax (301) 340-3022
www.kashalaw.com

FAX COVERSHEET

To: Maintenance Fee Department

To Fax No: 571-273-6500

From: Kelly L. Kasha, Esq.

From Fax No.: (301) 340-3022

Date: 10/04/2022

No. of Pages (including this page): 3

Subject: Fee difference between a large entity and small entity
US Application Serial No: 15/609,055
US Patent No: 10,049,514
Attorney Docket No: LBT0010-CON2
Difference in fees to be charged: \$1,250

449

LBT0010-CON2**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of: OUTWATER ET AL. Serial No.: 15/609,055 Filed: May 31, 2017 For: ACCESS CONTROL SYSTEM AND METHOD FOR USE BY AN ACCESS DEVICE	Confirmation No.: 6696 Patent No: 10,049,514 Issued: August 14, 2018
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FEE DIFFERENCE PAYMENT UNDER 37 CFR 1.28(C)**MAIL STOP: MAINTENANCE FEES**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

On July 22, 2022, small entity maintenance fees were paid by mistake. The Applicant is submitting herewith \$1,250, which is the difference between the large entity fees and the small entity fees.

A) Fee involved and amount	B) Small entity amount actually paid	C) Actual deficiency owed	D) Total deficiency owed
Maintenance 1551 (\$2,000)	\$1,000	\$1,000	
Surcharge 1554 (\$500)	\$250	\$250	
			\$1,250

Should the Office have any questions, please telephone the Applicant's undersigned representative at the number listed below.

KASHA LAW LLC
14532 Duffief Mill Rd.
North Potomac, MD 20878
Tel. 240-423-8431
Date: October 4, 2022

Respectfully submitted,

By: /Kelly L. Kasha/
Kelly L. Kasha
Registration No. 47,743

Customer No. 67050



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	REQUEST ID
15/609,055	05/31/2017	Chris Outwater	LBT0010-CON2	176232

Acknowledgement of Loss of Entitlement to Entity Status Discount

The entity status change request below filed through Private PAIR on 10/14/2022 has been accepted.

CERTIFICATIONS:

Change of Entity Status:

☒ Applicant changing to regular undiscounted fee status.

NOTE: Checking this box will be taken to be notification of loss of entitlement to small or micro entity status, as applicable.

This portion must be completed by the signatory or signatories making the entity status change in accordance with 37 CFR 1.4(d)(4).

Signature:	/John Kasha/
Name:	John Kasha
Registration Number:	53100