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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY.DOCKET NO./TITLE	REQUEST ID
14/712,124	05/14/2015	Michael Phelan	PHELAN-1001CON2	187293

Acknowledgement of Loss of Entitlement to Micro Entity Status

The entity status change request below filed through Private PAIR on 04/10/2023 has been accepted.

CERTIFICATIONS:

Change of Entity Status:

X Applicant asserting small entity status. See 37 CFR 1.27.

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.

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:	/Kermit Lopez/
Name:	Kermit Lopez
Registration Number:	41953

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APPLICATION NUMBER	PATENT NUMBER	GROUP ART UNIT	REQUEST ID
14/712,124	9908508	3663	103133

PAIR Correspondence Address/Fee Address Change

The following fields have been changed to Customer Number 64064 on 01/10/2020 via Private PAIR in view of the certification copied below that authorized the change.

- Maintenance Fee Address

The address for Customer Number 64064 is:
64064
Ortiz & Lopez, PLLC
P.O. BOX 4484
ALBUQUERQUE, NM 87196-4484

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

An attorney or Agent of Record registered to practice before the Patent and Trademark Office who has been given power of attorney in this application

Signature:	/Luis Ortiz/
Name:	Luis Ortiz
Registration Number:	36230

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APPLICATION NUMBER	PATENT NUMBER	GROUP ART UNIT	REQUEST ID
14/712,124	9908508	3663	103133

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- Correspondence Address

The address for Customer Number 64064 is:
64064
Ortiz & Lopez, PLLC
P.O. BOX 4484
ALBUQUERQUE, NM 87196-4484

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

An attorney or Agent of Record registered to practice before the Patent and Trademark Office who has been given power of attorney in this application

Signature:	/Luis Ortiz/
Name:	Luis Ortiz
Registration Number:	36230

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/712,124	05/14/2015	Michael Phelan	PHELAN-1001CON2

CONFIRMATION NO. 1048

POA ACCEPTANCE LETTER

141361
LOZA & LOZA, LLP
Kermit D. Lopez, Esq.
305 N. Second Avenue #127
Upland, CA 91786-6064

OC000000103667226

Date Mailed: 11/08/2018

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 11/05/2018.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

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

/atesfai/

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Address: COMMISSIONER FOR PATENTS
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Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/712,124	05/14/2015	Michael Phelan	1000-1796-C2

CONFIRMATION NO. 1048

POWER OF ATTORNEY NOTICE

64064
Ortiz & Lopez, PLLC
P.O. BOX 4484
ALBUQUERQUE, NM 87196-4484

OC000000103667186

Date Mailed: 11/08/2018

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 11/05/2018.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

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

/atesfai/

PTO/AIA/82A (07-13)
Approved for use through 01/31/2018. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	14/712,124 | Patent No. 9,908,508
Filing Date	05-14-2015 | Issue Date 03-06-2018
First Named Inventor	Michael Phelan
Title	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
Art Unit	3663
Examiner Name	Jonathan M. Dager
Attorney Docket Number	PHELAN-1001CON2

SIGNATURE of Applicant or Patent Practitioner

Signature	/Kermit D. Lopez/	Date (Optional)	
Name	Kermit D. Lopez	Registration Number	41953
Title (if Applicant is a juristic entity)	Attorney of Record		
Applicant Name (if Applicant is a juristic entity)	The Phelan Group, LLC		

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 _____ 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.

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82B (07-13)
Approved for use through 01/31/2018. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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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: 141361

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 or the boxes above 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):

The Phelan Group, LLC

☐ 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)	29 OCTOBER 2018
Name	Michael Phelan		
Title	PRESIDENT		

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 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.

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. OMB 0651-0031
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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.

STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: The Phelan Group, LLC

Application No./Patent No.: 14/712,124 | 9,908,508 Filed/Issue Date: 05-14-2015 | 03-06-2018

Titled: RIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE

The Phelan Group, LLC, a limited liability orporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. ☑ The assignee of the entire right, title, and interest.

2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):

   ☐ The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.

   ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

   Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

   Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (*e.g.*, bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

A. ☑ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 046851, Frame 0608, or for which a copy thereof is attached.

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

   1. From: _____ To: _____

      The document was recorded in the United States Patent and Trademark Office at

      Reel _____, Frame _____, or for which a copy thereof is attached.

   2. From: _____ To: _____

      The document was recorded in the United States Patent and Trademark Office at

      Reel _____, Frame _____, or for which a copy thereof is attached.

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**.

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

PTO/AIA/96 (08-12)
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STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☑ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Kermit D. Lopez/	November 5, 2018
Signature	Date
Kermit D. Lopez	41,953
Printed or Typed Name	Title or Registration 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.

Electronic Acknowledgement Receipt

EFS ID:	34214793
Application Number:	14712124
International Application Number:	
Confirmation Number:	1048
Title of Invention:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
First Named Inventor/Applicant Name:	Michael Phelan
Customer Number:	64064
Filer:	Kermit Dean Lopez/Kathleen Smith
Filer Authorized By:	Kermit Dean Lopez
Attorney Docket Number:	1000-1796-C2
Receipt Date:	05-NOV-2018
Filing Date:	14-MAY-2015
Time Stamp:	16:32:33
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	PHELAN-1001CON2_ExecutedPOA.pdf	944299 0a851ed2a9ebb238ebee45943b1e2dd4346d6e9f	no	2

Warnings:

Information:					
2	Assignee showing of ownership per 37 CFR 3.73	PHELAN-1001CON2_373c.pdf	104823 f53611d5e5d6c6d27fa2bf174235cc9c73ce2213	no	3
Warnings:					
Information:					
			Total Files Size (in bytes):	1049122	

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.

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5137112

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL D PHELAN	05/27/2016

RECEIVING PARTY DATA

Name:	THE PHELAN GROUP, LLC
Street Address:	851 CAMINO FRANCISCA
City:	SANTA FE
State/Country:	NEW MEXICO
Postal Code:	87506

PROPERTY NUMBERS Total: 6

Property Type	Number
Patent Number:	8417415
Patent Number:	9045101
Patent Number:	9493149
Patent Number:	9908508
Application Number:	15336110
Application Number:	15898322

CORRESPONDENCE DATA

Fax Number: (505)314-1307

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 505-314-1311
Email: lortiz@olpatentlaw.com
Correspondent Name: LUIS M. ORTIZ
Address Line 1: 117 BRYN MAWR DRIVE SE
Address Line 4: ALBUQUERQUE, NEW MEXICO 87106

ATTORNEY DOCKET NUMBER:	1000-1796
NAME OF SUBMITTER:	LUIS M. ORTIZ
SIGNATURE:	/LUIS M ORTIZ/
DATE SIGNED:	09/12/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 1
source=Assignment_MichaelPhelan#page1.tif

PATENT ASSIGNMENT

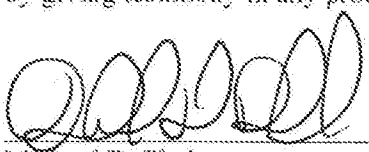
WHEREAS, I, Michael D. Phelan, citizen of the United States, have invented certain new and useful improvements in monitoring and controlling vehicle usage represented by issued patent nos. 8,417,415, 9,045,101, 9,493,149, 9,908,508, and pending patent application serial nos. 15/336,110 and 15/898,322, and from which additional continuation application will be filed.

Whereas, THE PHELAN GROUP, LLC, having its principal offices at 851 Camino Francisca, Santa Fe, New Mexico USA 87506, is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefor and therefrom;

Now, therefore, for good and valuable consideration to me paid by THE PHELAN GROUP, LLC, the receipt of which is hereby acknowledged, I have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto THE PHELAN GROUP, LLC, its successors and assigns, my entire right, title and interest in and to said invention represented by the issued patents and pending patent applications identified above, and any continuation applications that may issue therefrom, both foreign and domestic, including all of my rights under any and all international conventions, treaties and/or agreements concerning patents to which the United States is a party, and I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above mentioned assignee in accordance herewith.

I further authorize said assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and/or otherwise take advantage of the provisions of any international convention, treaty and/or agreement.

I do hereby covenant and agree with the said assignee, its successors and assigns, that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I or my executors or administrators will at any time upon request, without further or additional consideration, but at the expense of the said assignee, its successors and assigns, execute such additional writings and do such additional acts as said assignee, its successors and assigns, may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, continuation, divisional, reissued or extended Letters Patent of the United States, or any of and all foreign countries on said invention, and in enforcing any rights, occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.



27 MAY 2016

Michael D. Phelan — Date

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/712,124	03/06/2018	9908508	1000-1796-C2	1048

64064 7590 02/14/2018

OL Patents
P.O. BOX 4484
ALBUQUERQUE, NM 87196-4484

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 225 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):

Michael Phelan, Santa Fe, NM;

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
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64064 7590 10/25/2017
ORTIZ & LOPEZ, PLLC
P.O. BOX 4484
ALBUQUERQUE, NM 87196-4484

OPAP ANNEX-B JAN 25 2018 PATENT & TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/712,124	05/14/2015	Michael Phelan	1000-1796-C2	1048

TITLE OF INVENTION: DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	MICRO	$240	$0	$0	$240	01/25/2018

01/25/2018 INTEFSL 00011032 14712124

EXAMINER	ART UNIT	CLASS-SUBCLASS
DAGER, JONATHAN M	3663	701-036000

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 Kevin Soules
2 Luis M. Ortiz
3 Kermit D. Lopez

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
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☐ Applicant certifying micro entity status. See 37 CFR 1.29
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.
☐ Applicant asserting small entity status. See 37 CFR 1.27
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.
☐ Applicant changing to regular undiscounted fee 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 /Kermit D. Lopez/ Date January 25, 2018
Typed or printed name Kermit D. Lopez Registration No. 41,953

PTOL-85 Part B (10-13) Approved for use through 10/31/2013. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Mercedes EX1002
Page 17 of 210

PART B - FEE(S) TRANSMITTAL

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/712,124	05/14/2015	Michael Phelan	1000-1796-C2	1048

TITLE OF INVENTION: DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE

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nonprovisional	MICRO	$240	$0	$0	$240	01/25/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
DAGER, JONATHAN M	3663	701-036000

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1 Kevin Soules
2 Luis M. Ortiz
3 Kermit D. Lopez

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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.

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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:
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☐ Advance Order - # of Copies _____

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☐ 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 504516 _____ (enclose an extra copy of this form).

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☐ Applicant certifying micro entity status. See 37 CFR 1.29
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.
☐ Applicant asserting small entity status. See 37 CFR 1.27
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.
☐ Applicant changing to regular undiscounted fee 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 /Kermit D. Lopez/ Date January 25, 2018
Typed or printed name Kermit D. Lopez Registration No. 41,953

Mercedes EX1002
Page 18 of 210
PTOL-85 Part B (10-13) Approved for use through 10/31/2013. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Electronic Patent Application Fee Transmittal

Application Number:	14712124
Filing Date:	14-May-2015
Title of Invention:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
First Named Inventor/Applicant Name:	Michael Phelan
Filer:	Kermit Dean Lopez/Kemlyn Evans
Attorney Docket Number:	1000-1796-C2

Filed as Micro Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
PUBL. FEE- EARLY, VOLUNTARY, OR NORMAL	1504	1	0	0
UTILITY ISSUE FEE	3501	1	240	240
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**240**

Electronic Acknowledgement Receipt

EFS ID:	31600233
Application Number:	14712124
International Application Number:	
Confirmation Number:	1048
Title of Invention:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
First Named Inventor/Applicant Name:	Michael Phelan
Customer Number:	64064
Filer:	Kermit Dean Lopez/Kemlyn Evans
Filer Authorized By:	Kermit Dean Lopez
Attorney Docket Number:	1000-1796-C2
Receipt Date:	25-JAN-2018
Filing Date:	14-MAY-2015
Time Stamp:	09:52:51
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$240
RAM confirmation Number	012518INTEFSW00011002504516
Deposit Account	
Authorized User	

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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)	1000-1796-C2_Issue_fee_trans.pdf	111333 99b68d6a608558943d8010f9ab8fe0e96b6f6785	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	32114 146452f0403da6b0c8a09de5feb448da19f89768	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	143447		

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

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New International Application Filed with the USPTO as a Receiving Office

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BIB DATA SHEET

CONFIRMATION NO. 1048

SERIAL NUMBER	FILING or 371(c) DATE / RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
14/712,124	05/14/2015	701	3663	1000-1796-C2

APPLICANTS

INVENTORS

Michael Phelan, Santa Fe, NM;

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

This application is a CON of 13/858,930 04/08/2013 PAT 9045101
which is a CON of 12/496,509 07/01/2009 PAT 8417415
which claims benefit of 61/077,568 07/02/2008

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

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED **** ** MICRO ENTITY **
05/22/2015

Foreign Priority claimed ☐ Yes ☑ No	☐ Met after Allowance	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
35 USC 119(a-d) conditions met ☐ Yes ☑ No		NM	8	20	3
Verified and Acknowledged /JONATHAN M DAGER/ Examiner's Signature	Initials				

ADDRESS

ORTIZ & LOPEZ, PLLC
P.O. BOX 4484
ALBUQUERQUE, NM 87196-4484
UNITED STATES

TITLE

DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE

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

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/712,124	Phelan, Michael
	Examiner	**Art Unit**
	JONATHAN M DAGER	3663

CPC						
Symbol					**Type**	**Version**
B60R	/	25	/	23	F	2013-01-01
B60R	/	25	/	00	I	2013-01-01
B60R	/	25	/	20	I	2013-01-01

CPC Combination Sets								
Symbol					**Type**	**Set**	**Ranking**	**Version**
	/		/					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	14	
/JONATHAN M DAGER/ Primary Examiner, Art Unit 3663	18 October 2017	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	2

U.S. Patent and Trademark Office

Part of Paper No.: 20171018

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/712,124	Phelan, Michael
	Examiner	**Art Unit**
	JONATHAN M DAGER	3663

INTERNATIONAL CLASSIFICATION					
CLAIMED					
B60R	/	25	/	00	

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
701	36

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

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 14	
/JONATHAN M DAGER/ Primary Examiner, Art Unit 3663 (Primary Examiner)	18 October 2017 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 2

U.S. Patent and Trademark Office

Part of Paper No.: 20171018

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/712,124	Phelan, Michael
	Examiner	**Art Unit**
	JONATHAN M DAGER	3663

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

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	10	10		19										
2	2	11	11		20										
3	3	12	12												
4	4	13	13												
5	5	14	14												
6	6		15												
7	7		16												
8	8		17												
9	9		18												

NONE		**Total Claims Allowed:**
(Assistant Examiner)	(Date)	14
/JONATHAN M DAGER/ Primary Examiner, Art Unit 3663	18 October 2017	O.G. Print Claim(s) / O.G. Print Figure
(Primary Examiner)	(Date)	1 / 2

U.S. Patent and Trademark Office — Part of Paper No.: 20171018

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/712,124	Phelan, Michael
	Examiner	Art Unit
	JONATHAN M DAGER	3663

✓	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	02/12/2017	05/31/2017	10/18/2017						
	1	✓	✓	=						
	2	✓	✓	=						
	3	✓	✓	=						
	4	✓	✓	=						
	5	✓	✓	=						
	6	✓	✓	=						
	7	✓	✓	=						
	8	✓	✓	=						
	9	✓	✓	=						
	10	✓	✓	=						
	11	✓	✓	=						
	12	✓	✓	=						
	13	✓	✓	=						
	14	✓	✓	=						
	15	✓	✓	-						
	16	✓	✓	-						
	17	✓	✓	-						
	18	✓	✓	-						
	19	✓	✓	-						
	20	✓	✓	-						

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	43505	340/988-996,425$3-490.ccls. or 701/1,2,19-49,70,93,200-216,300.ccls. or phelan.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:28
S2	7394	S1 and ((central$5 or remot$3 or main) with (manager$4 or monitor$4 or station or database))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:29
S3	1220	S2 and ((user or driver or operator) with (file or profile))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:30
S4	883	S3 and ((user or driver or operator) with (authenticat$4 or biometric or keyword or password or code or identify$4 or identification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:30
S5	57	S3 and (((user or driver or operator) with (authenticat$4 or biometric or keyword or password or code or identify$4 or identification)) same terminal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:31
S6	13	S5 and ((overspeed or speed$4 or location or reckless or abusive or seatbelt or unauthorized or prohibit$4) with (alert$4 or alarm$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:32
S7	619575	((central$5 or remot$3 or main) with (manager$4 or monitor$4 or station or database or server))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:40
S8	115297	S7 and ((user or driver or operator) with (file or profile))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:40
S9	82875	S8 and ((user or driver or operator) with (pin or authenticat$4 or biometric	US-PGPUB;	OR	ON	2011/09/30 14:40

		or keyword or password or code or identify$4 or identification))	USPAT; FPRS; EPO; JPO; DERWENT			
S10	8210	S8 and (((user or driver or operator) with (pin or authenticat$4 or biometric or keyword or password or code or identify$4 or identification)) same terminal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:41
S11	586	S10 and ((overspeed or speed$4 or location or reckless or abusive or seatbelt or unauthorized or prohibit$4) with (alert$4 or alarm$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:41
S12	222	S11 and gps	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:42
S13	27	S12 and (vehicle with terminal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:44
S14	1	("2007/0158128").URPN.	USPAT	OR	ON	2011/09/30 14:48
S15	0	("2008/0245598").URPN.	USPAT	OR	ON	2011/09/30 14:48
S16	10	"196509".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:20
S17	8	"496509".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:20
S18	0	("2010/0004818").URPN.	USPAT	OR	ON	2011/10/03 09:51
S19	11	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$).did.	US-PGPUB	OR	ON	2011/10/03 09:56
S20	0	S19 and rfid	US-PGPUB	OR	ON	2011/10/03 09:56
S21	1	S19 and fob	US-PGPUB	OR	ON	2011/10/03 09:56
S22	0	S16 and rfid	US-	OR	ON	2011/10/03

			PGPUB; USPAT; FPRS; EPO; JPO; DERWENT			09:57
S23	619817	((central$5 or remot$3 or main) with (manager$4 or monitor$4 or station or database or server))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S24	115299	S23 and ((user or driver or operator) with (file or profile))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S25	8210	S24 and (((user or driver or operator) with (pin or authenticat$4 or biometric or keyword or password or code or identify$4 or identification)) same terminal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S26	586	S25 and ((overspeed or speed$4 or location or reckless or abusive or seatbelt or unauthorized or prohibit$4) with (alert$4 or alarm$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S27	222	S26 and gps	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S28	66	S27 and rfid	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:58
S29	9	S28 and (fob or keyfob or "key fob")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:02
S30	25	S27 and (fob or keyfob or "key fob")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:03
S31	1024	rke	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:04
S32	535	S31 and (authenticat$4 or identif$)	US-	OR	ON	2011/10/03

			PGPUB; USPAT; FPRS; EPO; JPO; DERWENT			10:05
S33	170	S31 and ((authenticat$4 or identif$) with (user or driver))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:05
S34	62	S31 and (((authenticat$4 or identif$) with (user or driver)) same (fob or keyfob or transciever or key-fob or smart))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:06
S35	61	S34 and vehicle	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:06
S36	2	S34 and ((user or driver or operator) with (file or profile))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:06
S37	1	"12496509"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/03/05 13:32
S38	12	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$).did.	US-PGPUB	OR	OFF	2012/03/05 16:28
S39	9	S38 and (fault$4 or error or malfunction or breakdown or accident)	US-PGPUB	OR	OFF	2012/03/05 16:28
S40	12	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$).did.	US-PGPUB	OR	OFF	2012/03/05 17:03
S41	9	S40 and (fault$4 or error or malfunction or breakdown or accident)	US-PGPUB	OR	OFF	2012/03/05 17:03
S42	10	("2006/0212195").URPN.	USPAT	OR	OFF	2012/03/05

						17:12
S43	1318	phelan.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2012/03/05 17:14
S44	163	S43 and vehicle	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2012/03/05 17:15
S45	46	S44 and ((authenticat$4 or identif$) with (user or driver))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2012/03/05 17:16
S46	13	S45 and ((central$5 or remot$3 or main) with (manager$4 or monitor$4 or station or database))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2012/03/05 17:16
S47	41	("20010033225" | "20020022920" | "20020049538" | "20020111735" | "20020123834" | "20020178033" | "20030195694" | "20030216857" | "20040083041" | "20040153362" | "4007438" | "5797134" | "5819198" | "6064970" | "6067489" | "6438472" | "6473000" | "6636790" | "6771176").PN. OR ("6931309").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/03/05 17:17
S48	19	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$).did.	US-PGPUB	OR	OFF	2012/09/25 14:46
S49	1	"12496509"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/09/25 14:48
S50	11	S48 and (radio or audio or stereo)	US-PGPUB	OR	OFF	2012/09/25 15:01
S51	5235	vehicle same parent$4 same control$4	US-PGPUB; USPAT; USOCR; EPO; JPO;	OR	OFF	2012/09/25 15:06

			DERWENT			
S52	46	S51 and ((disabl$4 or prevent$4 or prohibit$4 or ((power$4 or turn$4) with (off or down))) with (radio or stereo))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/09/25 15:07
S53	51	S51 and ((disabl$4 or prevent$4 or restrict$4 or prohibit$4 or ((power$4 or turn$4) with (off or down))) with (radio or stereo))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/09/25 15:08
S54	118	("4477874" | "4707788" | "4835970" | "5091856" | "5124920" | "5247440" | "5289369" | "5303163" | "5379219" | "5446659" | "5504482" | "5513107" | "5532690" | "5581464" | "5608629" | "5680328" | "5812070" | "5877707" | "5938716" | "5948026" | "5969598" | "6006148" | "6076026" | "6122580" | "6173231" | "6232874" | "6256565" | "6275231" | "6278928").PN. OR ("6430488").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:14
S55	82	S54 and radio	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:15
S56	1014581	"9" and parent$3	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:15
S57	27	S55 and parent$3	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:15
S58	1012	phelan.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:18
S59	131	phelan.in. and vehicle	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:18
S60	49	phelan.in. and vehicle and radio	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:18
S61	46	phelan.in. and vehicle and radio and identif$	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:18
S62	46	phelan.in. and vehicle and radio and (identif$$4 or identification)	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:19
S63	46	phelan.in. and vehicle and radio and (identif$4 or identification)	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:19

S64	1	S63 and authentication	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:19
S65	76	("3059070" | "3187334" | "3520161" | "3644745" | "3651464" | "3660624" | "3757305" | "3796889" | "3870895" | "4148372" | "4150731" | "4222034" | "4296402" | "4335370" | "4347545" | "4379966" | "4390758" | "4436993" | "4438426" | "4533016" | "4555619" | "4565922" | "4578573" | "4645939" | "4659915" | "4682062" | "4686358" | "4733638" | "4842093" | "4965460" | "4993627" | "5006843" | "5079435" | "5109221").PN. OR ("5481253").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:21
S66	1	S65 and (radio same (alert$4 or alarm$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:22
S67	25	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$).did.	US-PGPUB; USPAT	OR	OFF	2012/09/25 19:46
S68	36	PHELAN.IN. and ("307" or "180" or "701" or "340" or "180").clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/12/13 14:22
S69	8	S68 and gps and profile	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/12/13 14:23
S70	1	"12196509"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/15 19:09
S71	213	phelan.in. and unique	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2014/05/15 19:09

			DERWENT			
S72	29	phelan.in. and (unique with code)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2014/05/15 19:10
S73	15	phelan.in. and (unique with code) and driver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2014/05/15 19:10
S74	2	"6633800".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 11:59
S75	2	"20060224280"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 12:00
S76	0	"13858930"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2014/08/29 10:46
S77	2	"12496509"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2014/08/29 10:56
S78	16	phelan.in. and (unique with code) and driver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2014/08/29 12:32
S79	5	("2010/0004818").URPN.	USPAT	OR	ON	2014/08/29 12:32
S80	20	phelan.in. and (unique with code) and driver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2015/01/30 11:50
S81	29	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-	US-PGPUB; USPAT	OR	ON	2015/06/19 11:51

		20090027177-$ or US-20100004818-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$ or US-8751105-$ or US-8751104-$ or US-8463488-$).did.				
S82	7	S81 and pin	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 11:51
S83	20	S81 and (pin or code)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 11:51
S84	6	"11742091"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 12:02
S85	74	("20020049538" | "20020096572" | "20020135466" | "20030078709" | "20030181822" | "20040010358" | "20040019416" | "20040085189" | "20040092253" | "20040124968" | "20040158373" | "20040225557" | "20050030184" | "20050134477" | "20050137757" | "20050159853" | "20050182538" | "20050216144" | "20050237150" | "20050288837" | "20060001523" | "20060047419" | "20060049962" | "20060106515" | "20060111817" | "20060122749" | "20060195483" | "20060200008" | "20060212195" | "20070082706" | "20070139170" | "20070158128" | "20070200663" | "20080077298" | "20080228358" | "20080245598" | "20080269979" | "20080319602" | "20090024273" | "20090027177" | "20090030770" | "20090069954" | "20090079555" | "20090082928" | "20090189736" | "20090195370" | "20100004818" | "20100161171" | "4754255" | "5525977" | "5808374" | "6148212" | "6266589" | "6323761" | "6445084" | "6532298" | "6549115" | "6711474" | "6759943" | "6830123" | "6999858" | "7038596" | "7085635" | "7170400" | "7419027" | "7454545" | "7483772" | "7564342" | "7685162" | "7801507" | "7979177" | "8050815" | "8577548").PN. OR ("8751104").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/06/19 12:03
S86	13	("20030204290" | "20060066149" | "20070046425" | "20070143482" | "20080093445" | "20080255722" | "20090069954" | "20100004818" | "20100045452" | "20110254655" | "7548491").PN. OR ("8463488").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/06/19 12:07
S87	2	"20030231550"	US-PGPUB; USPAT;	OR	ON	2015/06/19 12:16

			USOCR			
S88	35	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$ or US-20100004818-$ or US-20080269979-$ or US-20100161171-$ or US-20100045452-$ or US-20060066149-$ or US-20030204290-$).did. or (US-20030231550-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$ or US-8751105-$ or US-8751104-$ or US-8463488-$).did.	US-PGPUB; USPAT	OR	ON	2015/06/19 12:18
S89	8	S81 and ((alcohol or drinking or inebriat$4 or impair) with (driver or user))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 12:19
S90	7	S89 and (vehicle same (location or gps) same speed)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 12:19
S91	4	("2006/0066149").URPN.	USPAT	OR	ON	2015/06/22 11:17
S92	6	("2009/0069954").URPN.	USPAT	OR	ON	2015/06/22 11:30
S93	39	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$ or US-20080269979-$ or US-20100161171-$ or US-20100045452-$ or US-20060066149-$ or US-20030204290-$ or US-20030231550-$).did. or (US-20070200663-$ or US-20050288837-$ or US-20050237150-$ or US-20030181822-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$ or US-8751105-$ or US-8751104-$ or US-8463488-$ or US-8131441-$).did.	US-PGPUB; USPAT	OR	ON	2015/06/22 11:33
S94	29	S93 and (driver with (identif$ or	US-	OR	ON	2015/06/22

		authenticat$4))	PGPUB; USPAT			11:33
S95	3	("2008/0269979").URPN.	USPAT	OR	ON	2015/06/22 11:39
S96	18	("20030078709" | "20040010358" | "20040158373" | "20050237150" | "20060001523" | "20060049962" | "20080077298" | "20080228358" | "20080269979" | "20090082928" | "20100161171" | "6445084" | "6532298" | "6549115" | "6999858" | "7038596" | "7685162").PN. OR ("7979177").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/06/22 11:39
S97	21	S94 and gps	US-PGPUB; USPAT	OR	ON	2015/06/22 11:41
S98	2795	wireless same vehicle same architecture	US-PGPUB; USPAT; EPO; JPO	OR	ON	2016/03/02 11:08
S99	12	(wireless same vehicle same architecture) and (wireless with ecu with communication)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2016/03/02 11:08
S100	19	("20020009296" | "20020196510" | "20030040347" | "20030114980" | "20050046584" | "20060036930" | "20060208169" | "20110064126" | "20120093198" | "20120133843" | "20120291537" | "20130029624" | "20140073243" | "20140163751" | "5833025" | "6091362" | "6369923" | "7164117" | "8050318").PN. OR ("9227579").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:10
S101	31	("20030186652" | "20050090953" | "20050273211" | "20080039998" | "6078252" | "6177867" | "6195602" | "6480144" | "7005972" | "7084748" | "7099751" | "7177743" | "7603214" | "7689327").PN. OR ("8229625").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:11
S102	2	"20040064221"	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:19
S103	45	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$ or US-20080269979-$ or US-20100161171-$ or US-20100045452-$ or US-20060066149-$	US-PGPUB; USPAT	OR	ON	2016/03/02 11:40

		or US-20030204290-$ or US-20030231550-$).did. or (US-20070200663-$ or US-20050288837-$ or US-20050237150-$ or US-20030181822-$ or US-20160001718-$ or US-20160001715-$ or US-20150350750-$ or US-20100087986-$ or US-20080039998-$ or US-20040064221-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$ or US-8751105-$ or US-8751104-$ or US-8463488-$ or US-8131441-$).did.				
S104	3	S103 and ((inhibit$4 or restrict$4) with (phone or cellular))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2016/03/02 11:41
S105	22	("20020078726" | "20030169163" | "20050200466" | "20080245598" | "20090195376" | "20090198413" | "20090312901" | "20090312902" | "20100004818" | "20110082625" | "20110137520" | "6198996" | "6278358" | "6362734" | "6501374" | "6507779" | "6806810" | "7868750" | "8421589" | "8527146").PN. OR ("8751105").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:42
S106	1	"20120283911"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2016/03/04 10:00
S107	37	phelan.in. and (unique with code)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2016/06/20 10:44
S109	6	"12496509"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2017/02/13 11:20
S110	7785	vehicle same parent$4 same control$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/02/14 11:53
S111	95	phelan.in. and vehicle and radio and (identif$4 or identification)	US-PGPUB; USPAT; USOCR	OR	OFF	2017/02/14 11:54
S112	23	phelan.in. and (unique with code) and driver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2017/02/14 11:54
S115	1	"8417415".PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2017/06/01 10:34

S116	6	"13858930"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2017/06/01 10:36
S117	48	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$ or US-20080269979-$ or US-20100161171-$ or US-20100045452-$ or US-20060066149-$ or US-20030204290-$ or US-20030231550-$).did. or (US-20070200663-$ or US-20050288837-$ or US-20050237150-$ or US-20030181822-$ or US-20160001718-$ or US-20160001715-$ or US-20150350750-$ or US-20100087986-$ or US-20080039998-$ or US-20040064221-$ or US-20070155368-$ or US-20070129056-$ or US-20140358376-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$ or US-8751105-$ or US-8751104-$ or US-8463488-$ or US-8131441-$).did.	US-PGPUB; USPAT	OR	ON	2017/06/01 11:08
S118	12	S117 and (vehicle same (speed with gps))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2017/06/01 11:08
S119	36	phelan.in. and (unique with code)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2017/06/01 11:31
S120	48	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$ or US-20080269979-$ or US-20100161171-$ or US-20100045452-$ or US-20060066149-$ or US-20030204290-$ or US-20030231550-$).did. or (US-20070200663-$ or US-20050288837-$ or US-20050237150-$ or US-	US-PGPUB; USPAT	OR	ON	2017/06/01 11:39

		20030181822-$ or US-20160001718-$ or US-20160001715-$ or US-20150350750-$ or US-20100087986-$ or US-20080039998-$ or US-20040064221-$ or US-20070155368-$ or US-20070129056-$ or US-20140358376-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$ or US-8751105-$ or US-8751104-$ or US-8463488-$ or US-8131441-$).did.				
S121	58	("2004/0225557").URPN.	USPAT	OR	ON	2017/08/02 11:29

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	37	phelan.in. and (unique with code)	US-PGPUB; USPAT	OR	ON	2017/10/18 11:50
L2	8	1 and profile	US-PGPUB; USPAT	OR	ON	2017/10/18 11:50
L3	0	("2017/0106877").URPN.	USPAT	OR	ON	2017/10/18 11:52
L4	31	("20020049538" | "20040225557" | "20050137757" | "20050182538" | "20060047419" | "20060106515" | "20060111817" | "20060122749" | "20060200008" | "20060212195" | "20070082706" | "20070158128" | "20080245598" | "20080319602" | "20090024273" | "20090027177" | "20090030770" | "20090069954" | "20090079555" | "20090189736" | "20100004818" | "5481253" | "6430488" | "6741920" | "7956730" | "8258939" | "8463488" | "8751104" | "8751105").PN. OR ("9045101").URPN.	US-PGPUB; USPAT	OR	ON	2017/10/18 11:52
S108	33	phelan.in. and (unique with code)	US-PGPUB; USPAT	OR	ON	2016/06/20 10:51
S113	34	phelan.in. and (unique with code)	US-PGPUB; USPAT	OR	ON	2017/02/14 11:39
S114	0	("2014/0358376").URPN.	USPAT	OR	ON	2017/02/14 11:47

10/18/2017 11:52:35 AM
C:\Users\jdager\Desktop\patent searches\phelan\14712124 13 february 2017.wsp

UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

64064 7590 10/25/2017

ORTIZ & LOPEZ, PLLC
P.O. BOX 4484
ALBUQUERQUE, NM 87196-4484

EXAMINER	
DAGER, JONATHAN M	
ART UNIT	PAPER NUMBER
3663	

DATE MAILED: 10/25/2017

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/712,124	05/14/2015	Michael Phelan	1000-1796-C2	1048

TITLE OF INVENTION: DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	MICRO	$240	$0	$0	$240	01/25/2018

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: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

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)

64064 7590 10/25/2017
ORTIZ & LOPEZ, PLLC
P.O. BOX 4484
ALBUQUERQUE, NM 87196-4484

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.
14/712,124	05/14/2015	Michael Phelan	1000-1796-C2	1048

TITLE OF INVENTION: DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	MICRO	$240	$0	$0	$240	01/25/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
DAGER, JONATHAN M	3663	701-036000

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 — 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.
- ❑ Applicant asserting small entity status. See 37 CFR 1.27 — 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.
- ❑ Applicant changing to regular undiscounted fee status. — NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/712,124	05/14/2015	Michael Phelan	1000-1796-C2	1048

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EXAMINER	
DAGER, JONATHAN M	

ART UNIT	PAPER NUMBER
3663	

DATE MAILED: 10/25/2017

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. 14/712,124	Applicant(s) Phelan, Michael	
	Examiner JONATHAN M DAGER	Art Unit 3663	AIA Status Yes

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to amendments and terminal disclaimer .
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____ .

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☑ The allowed claim(s) is/are 1-14 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

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

   Certified copies:

   a) ☐ All b) ☐ Some *c) ☐ None of the:

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

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file areply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☑ Notice of References Cited (PTO-892)
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____ .
5. ☐ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☑ Other bib data sheet .

/JONATHAN M DAGER/
Primary Examiner, Art Unit 3663

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED CORRESPONDENCE

Response to Arguments

1. Applicant's contention (see pages 6-13) with respect to the rejections to the claims has been fully considered and is persuasive in view of cancellation of claims and the terminal disclaimer filed 08 September 2017. Therefore, all prior rejections to the claims have been withdrawn.

Claims Allowable - Reasons for Allowance

This statement is not intended to necessarily state all the reasons for allowance or all the details why the claims are allowed and has not been written to specifically or impliedly state that all the reasons for allowance are set forth (MPEP 1302.14).

2. The following is an examiner's statement of reasons for allowance:

Independent claim 1 is allowed. None of the prior art cited could anticipate, or be combined to render obvious "…receives a unique identification code…within an operating profile associated with the at least one driver…wherein the driver authentication system cooperates with the at least one computer to control operation of the vehicle."

Independent claim 11 maintains similar embodiments, and is also allowed.

Subsequently, claims 2-10 and 12-14 are also now allowable due to dependence on their respective independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JONATHAN M DAGER whose telephone number is (571)270-1332. The examiner can normally be reached on M-F 0830-1730.

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, Angela Ortiz can be reached on 571-272-1206. 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.

/JONATHAN M DAGER/
Primary Examiner, Art Unit 3663
18 October 2017

Notice of References Cited	Application/Control No. 14/712,124	Applicant(s)/Patent Under Reexamination Phelan, Michael	
	Examiner JONATHAN M DAGER	Art Unit 3663	Page 1 of 4

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20020049538-A1	04-2002	Knapton, Cary Paul	G01C21/28	701/472
*	B	US-20030181822-A1	09-2003	Victor, Trent	A61B3/113	600/558
*	C	US-20030204290-A1	10-2003	Sadler, John G.	B60R25/04	701/1
*	D	US-20030231550-A1	12-2003	Macfarlane, Jane F.	B60R25/257	367/198
*	E	US-20040064221-A1	04-2004	DePrez, Mary K.	B60T7/042	701/2
*	F	US-20040225557-A1	11-2004	Phelan, Joseph	G01M17/00	701/1
*	G	US-20050237150-A1	10-2005	Sun, Hao	G07C9/00182	340/5.52
*	H	US-20050288837-A1	12-2005	Wiegand, Michael	B60R16/037	701/36
*	I	US-20060047419-A1	03-2006	Diendorf; John R.	G01C21/26	701/532
*	J	US-20060066149-A1	03-2006	Holloway; Lane Thomas	B60R25/24	307/10.3
*	K	US-20060200008-A1	09-2006	Moore-Ede; Martin	B60K28/06	600/300
*	L	US-20060212195-A1	09-2006	Veith; Gregory W.	G06Q10/06	701/33.4
*	M	US-20070082706-A1	04-2007	Campbell; Douglas C.	B60R16/0373	455/563

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.

Notice of References Cited	Application/Control No. 14/712,124	Applicant(s)/Patent Under Reexamination Phelan, Michael	
	Examiner JONATHAN M DAGER	Art Unit 3663	Page 2 of 4

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20070129056-A1	06-2007	Cheng; Russel	G06Q30/02	455/405
*	B	US-20070155368-A1	07-2007	Phelan; James Daniel	H04W8/245	455/412.1
*	C	US-20070158128-A1	07-2007	Gratz; Rosemarie M.	B60R25/1004	180/287
*	D	US-20070200663-A1	08-2007	White; Steve	A61B5/117	340/5.31
*	E	US-20080039998-A1	02-2008	Fein; Gene	B60R16/037	701/36
*	F	US-20080269979-A1	10-2008	Hermann; Thomas	H04L41/082	701/29.6
*	G	US-20080319602-A1	12-2008	McClellan; Scott	G07C5/008	701/31.4
*	H	US-20090024273-A1	01-2009	Follmer; Todd	G06Q10/10	701/33.4
*	I	US-20090027177-A1	01-2009	Hodder; David John	B60R25/04	340/426.12
*	J	US-20090030770-A1	01-2009	Hersh; Richard	G06Q10/06311	705/7.13
*	K	US-20090069954-A1	03-2009	ALADESUYI; Kayode	B60R25/102	701/2
*	L	US-20090079555-A1	03-2009	Aguirre De Carcer; Giadha	G07C5/008	340/441
*	M	US-20090189736-A1	07-2009	Hayashi; Hitoshi	G06F21/32	340/5.81

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.

Notice of References Cited	Application/Control No. 14/712,124	Applicant(s)/Patent Under Reexamination Phelan, Michael	
	Examiner JONATHAN M DAGER	Art Unit 3663	Page 3 of 4

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20100045452-A1	02-2010	Periwal; Neeraj	B60Q9/00	340/439
*	B	US-20100087986-A1	04-2010	LAL; DHANANJAY	B60R16/023	701/36
*	C	US-20100161171-A1	06-2010	Valentine; Eric Lee	B22D11/12	701/31.4
*	D	US-20140358376-A1	12-2014	Phelan; Michael	B60W10/18	701/41
*	E	US-20150350750-A1	12-2015	YUN; Doo Seop	H04Q9/00	340/870.07
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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.

Notice of References Cited	Application/Control No. 14/712,124	Applicant(s)/Patent Under Reexamination Phelan, Michael	
	Examiner JONATHAN M DAGER	Art Unit 3663	Page 4 of 4

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-8751105-B2	06-2014	Whelan; Rene A.	B60W50/0098	180/268
	B					
	C					
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	H					
	I					
	J					
	K					
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	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
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	Q					
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	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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	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.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/712,124	Phelan, Michael
	Examiner	Art Unit
	JONATHAN M DAGER	3663

CPC - Searched*		
Symbol	Date	Examiner

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* 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
REVIEW OF PRIORITY CHAIN	2/13/2017	JD
ASSIGNEE	2/13/2017	JD
INVENTOR	2/13/2017	JD
KEYWORD	2/13/2017	JD
CITATON OF BEST PRIOR ARTI	2/13/2017	JD
INVENTOR	6/1/2017	JD
REVIEW OF PARENT APPLICATIONS	6/1/2017	JD
KEYWORD	6/1/2017	JD
CITATION OF BEST PRIOR ART	6/1/2017	JD
INVENTOR	10/18/2017	JD
KEYWORD	10/18/2017	JD
ASSIGNEE	10/18/2017	JD
CITATION OF BEST PRIOR ART	10/18/2017	JD

/JONATHAN M DAGER/ Primary Examiner, Art Unit 3663	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/712,124	Phelan, Michael
	Examiner	Art Unit
	JONATHAN M DAGER	3663

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	TEXT	10/18/2017	JD

/JONATHAN M DAGER/ Primary Examiner, Art Unit 3663	

Application Number	Application/Control No.	Applicant(s)/Patent under Reexamination	
	14/712,124	PHELAN, MICHAEL	

Document Code - DISQ	Internal Document – DO NOT MAIL

TERMINAL DISCLAIMER	☒ APPROVED	☐ DISAPPROVED
Date Filed : 9/8/17	This patent is subject to a Terminal Disclaimer	

Approved/Disapproved by:
jean proctor

U.S. Patent and Trademark Office

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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	To be Mailed
14/712,124	05/14/2015	☐

ENTITY: ☐ LARGE ☐ SMALL ☒ MICRO

APPLICATION AS FILED – PART I

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

APPLICATION AS AMENDED – PART II

AMENDMENT **09/08/2017**

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 14	Minus	** 20	= 0	X $20 =	0
Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	X $105 =	0
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	0

AMENDMENT

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

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

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

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

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

LIE
LAJUAN HICKSON

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	Michael Phelan	**EXAMINER:**	Jonathan Dager
SERIAL NO.:	14/712,124	**GROUP:**	3663
FILED:	05/14/2015	**ATTY DKT NO.:**	1000-1796-C2

TITLE: DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE

Please forward all correspondence to:
ORTIZ & LOPEZ, PLLC
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P.O. Box 4484
Albuquerque, NM 87196-4484

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

AMENDMENTS, REPLY AND REQUEST FOR RECONSIDERATION UNDER 37 C.F.R. § 1.111

Dear Sir:

In response to the Office Action dated June 8, 2017 in the above captioned matter, please enter the following amendments and remarks:

Amendments to the claims begin on Page 2 of this Paper.

Remarks begin on Page 6 of this Paper.

CLAIM AMENDMENTS

Please cancel claims 15-20 as follows:

1. (Previously Presented) A system, comprising:

a driver authentication system for authenticating at least one driver via a driver identification interface, wherein the driver authentication system receives a unique identification code to permit the at least one driver to operate the vehicle within an operating profile associated with the at least one driver; and

at least one computer associated with the driver authentication system, said driver authentication system in communication with said computer and configured to monitor operation of the vehicle and generate a signal if the at least one driver violates the operating profile thereby providing feedback to the driver authentication system about usage of the vehicle, and wherein the driver authentication system cooperates with the at least one computer to control operation of the vehicle.

2. (Previously Presented) The system of claim 1, further comprising a database comprising a program module including at least one operating parameter associated with a vehicle, the program module remotely accessible by an authorized user to program an operating profile with respect to at least one driver, the program module accessed by the authorized user via a network utilizing a remote computer.

3. (Previously Presented) The system of claim 2, wherein the driver identification interface in conjunction with a remote computer loads the operating profile in the driver authentication system for the at least one driver.

4. (Previously Presented) The system of claim 1, further comprising:

a GPS module; a memory module; and a function indicator module.

5. (Previously Presented) The system of claim 4, wherein the operating profile is loaded into the memory module for enabling controlled operation of the vehicle when the at least one driver is authenticated.

6. (Previously Presented) The system of claim 4, wherein the GPS module provides location information to the driver authentication system indicating a physical location of the vehicle.

7. (Previously Presented) The system of claim 1, wherein the driver authentication system further comprises a power regulator module; a starter relay module; a definable relay module; a slave microcontroller; and an alarm synthesizer.

8. (Previously Presented) The system of claim 2, wherein the at least one operating parameter comprises at least one of: a maximum allowable vehicle speed; an allowable vehicle location; allowable hours of operation; and seatbelt usage.

9. (Previously Presented) The system of claim 1, wherein the driver authentication system generates an alarm signal for alerting said authorized user when the at least one driver violates the operating profile.

10. (Previously Presented) The system of claim 1, wherein the driver identification interface comprises at least one of:

a portable handheld device;

a radio frequency identification device; and

a USB compatible device.

11. (Previously Presented) A system, comprising:

a driver authentication system in a motor vehicle for authenticating at least one driver via driver identification and associating an operating profile with the at least one driver;

a GPS module providing at least location and speed information in association with movement of the motor vehicle; and

a data logging device recording vehicle operation data associated with use of the motor vehicle by the at least one driver including location and speed information from the GPS module;

wherein said driver authentication system is coupled to at least one computer associated with the motor vehicle, and is configured to monitor operation of the motor vehicle and generate a signal to the driver authentication system if the at least one driver violates the operating profile, and wherein the driver authentication system cooperates with the at least one computer to control operation of the vehicle;

wherein the driver authentication system permits the at least one driver to operate the vehicle within an operating profile if the driver authentication system receives at least one of a unique identification code to permit the at least one driver to operate the vehicle within an operating profile and the at least one driver has not violated the operating profile.

12. (Previously Presented) The system of claim 11, wherein the driver authentication system further comprises a power regulator module; a starter relay module; a definable relay module; a slave microcontroller; and an alarm synthesizer.

13. (Previously Presented) The system of claim 11, wherein the operating profile comprises at least one operating parameter including at least one of: a maximum allowable vehicle speed; an allowable vehicle location; allowable hours of operation; and seatbelt usage.

14. (Previously Presented) The system of claim 11, wherein the driver authentication system generates an alarm signal for remotely alerting the authorized user when the at least one driver violates said operating profile.

15. (Cancelled)
16. (Cancelled)
17. (Cancelled)
18. (Cancelled)
19. (Cancelled)
20. (Cancelled)

REMARKS

I. Double Patenting

The Office Action indicated 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). Citing, 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).

The Office Action indicated 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. citing MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. Citing MPEP §§ 706.02(1)(1) - 706.02(1)(3) for applications not subject to examination under the first inventor to file provisions of the AIA. The Office Action indicated a terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The Office Action indicated 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-infoI.jsp.

The Office Action indicated claims 1-14 are rejected on the ground of nonstatutory double patenting over claims 1-11 of U.S. Patent No. 8,417,415 since the claims, if allowed, would improperly extend the "right to exclude" already granted in the patent.

The Office Action argued the subject matter claimed in the instant application is fully disclosed in the patent and is covered by the patent since the patent and the application are claiming common subject matter, in that all subject matter claimed in the current application has already been encompassed by the scope of the claims of the granted patent.

The Office Action further argued there is no apparent reason why applicant was prevented from presenting claims corresponding to those of the instant application during prosecution of the application which matured into a patent. Citing *In re Schneller*, 397 F.2d 350, 158 USPQ 210 (CCPA 1968). Citing also MPEP § 804.

The Office Action indicated claims 15-20 are rejected on the ground of nonstatutory double patenting over claims 15- 20 of U.S. Patent No. 9,045,101 since the claims, if allowed, would improperly extend the "right to exclude" already granted in the patent.

The Office Action indicated the subject matter claimed in the instant application is fully disclosed in the patent and is covered by the patent since the patent and the application are claiming common subject matter, in that all subject

matter claimed in the current application has already been encompassed by the scope of the claims of the granted patent.

The Office Action indicated none of the prior art cited could anticipate, or be combined to render obvious the claimed invention. Upon resolution of the above cited issues, the claims will be in condition for allowance.

The Office Action further argued there is no apparent reason why applicant was prevented from presenting claims corresponding to those of the instant application during prosecution of the application which matured into a patent. Citing *In re Schneller*, 397 F.2d 350, 158 USPQ 210 (CCPA 1968). Citing also MPEP § 804.

Applicant respectfully notes that a terminal disclaimer has been submitted herewith. Accordingly, Applicant respectfully requests the rejection be withdrawn and the claims be moved to allowance.

II. Claim Rejections - *35 USC § 112*

Claims 15-20 Stand rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention.

The Office Action argued claim 15 recites the limitation "the high profile driver". There is insufficient antecedent basis for this limitation in the claim. Claims 16-20 are rejected due to dependency and/or similar recitations.

Applicant respectfully notes that claims 15-20 have been cancelled. Accordingly, the rejection according to 35 USC § 112 has been rendered moot. Applicant respectfully requests the rejection be withdrawn.

III. Claim Rejections - *35 USC § 102*

Requirements for Prima Facie Anticipation

A general definition of *prima facie* unpatentability is provided at 37 C.F.R. §1.56(b)(2)(ii):

> A *prima facie* case of unpatentability is established when the information *compels a conclusion* that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability. (*emphasis added*)

"Anticipation requires the disclosure in a single prior art reference of each element of the claim under consideration." *W.L. Gore & Associates v. Garlock, Inc.*, 721 F.2d 1540, 220 USPQ 303, 313 (Fed. Cir. 1983) (citing *Soundscriber Corp. v. United States*, 360 F.2d 954, 960, 148 USPQ 298, 301 (Ct. Cl.), *adopted*, 149 USPQ 640 (Ct. Cl. 1966)), *cert. denied*, 469 U.S. 851 (1984). Thus, to anticipate the applicants' claims, the reference cited by the Examiner must disclose each element recited therein. "There must be no difference between the claimed invention and the reference disclosure, as viewed by a person of ordinary skill in the field of the invention." *Scripps Clinic & Research Foundation v. Genentech, Inc.*, 927 F.2d 1565, 18 USPQ 2d 1001, 1010 (Fed. Cir. 1991).

To overcome the anticipation rejection, the applicants need only demonstrate that not all elements of a *prima facie* case of anticipation have been met, *i.e.*, show that the reference cited by the Examiner fails to disclose every element in each of the applicants' claims. "If the examination at the initial state does not produce a prima face case of unpatentability, then without more the applicant is entitled to grant of the patent." *In re Oetiker*, 977 F.2d 1443, 24 USPQ 2d 1443, 1444 (Fed. Cir. 1992).

Gratz

Claims 15-20 stand rejected under 35 U.S.C. 102(a)(1) as anticipated by Gratz (US 2007/0158128).

Regarding claim 15, the Office Action argued as best understood, Gratz discloses a method of authenticating and monitoring drivers (identifying and monitoring the driving behavior, e.g. speed or location, of authorized vehicle users; Gratz at 0008-0010), comprising:

Providing a motor vehicle with a driver authentication and monitoring system (motor vehicle restriction control system includes driver identification and monitoring means; Gratz at Fig. 1, 0027, 0029).

Programming the driver authentication and monitoring system with an operating profile associated with a driver (restriction profile created by parent; Gratz at 0035-0037).

Authenticating the driver (driver identified as authorized driver; Gratz at 0036).

Enabling operation of the motor vehicle within limits of the operating profile by monitoring operation of the motor vehicle to determine if the driver is violating the operating profile (monitoring driving behavior with respect to predefined driving limits; Gratz at 0037).

Governing mechanical operations of the vehicle remotely if the high profile driver violates the operating profile (parent governs vehicle usage remotely in an override situation; Gratz at 0049).

Applicant Respectfully notes that claim 15 has been cancelled. Accordingly, the rejection of claim 15 has been rendered moot, and Applicant respectfully requests the rejection be withdrawn.

Regarding claims 17 and 18, the Office Action argued as best understood, Gratz discloses providing an audible alarm to the driver and providing a signal remotely to an authorized user (Gratz at 0012).

Applicant Respectfully notes that claims 17 and 18 have been cancelled. Accordingly, the rejection of claims 17 and 18 have been rendered moot, and Applicant respectfully requests the rejections be withdrawn.

Regarding claims 19 and 20, the Office Action argued as best understood, Gratz discloses providing a control signal that limits functionality within the motor vehicle (Gratz at 0014, 0038).

Applicant Respectfully notes that claims 19 and 20 have been cancelled. Accordingly, the rejection of claims 19 and 20 have been rendered moot, and Applicant respectfully requests the rejections be withdrawn.

IV. Claim Rejections - *35 USC § 103*

Requirements for Prima Facie Obviousness

The obligation of the examiner to go forward and produce reasoning and evidence in support of obviousness is clearly defined at M.P.E.P. §2142:

> The examiner bears the initial burden of factually supporting any *prima facie* conclusion of obviousness. If the examiner does not produce a *prima facie* case, the applicant is under no obligation to submit evidence of nonobviousness.

M.P.E.P. §2143 sets out the three basic criteria that a patent examiner must satisfy to establish a *prima facie* case of obviousness:

1. some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify the reference or to combine reference teachings;
2. a reasonable expectation of success; and
3. the teaching or suggestion of all the claim limitations by the prior art reference (or references when combined).

It follows that in the absence of such a *prima facie* showing of obviousness by the Examiner (assuming there are no objections or other grounds for rejection), an applicant is entitled to grant of a patent. *In re Oetiker*, 977 F.2d 1443, 1445, 24

USPQ2d 1443 (Fed. Cir. 1992). Thus, in order to support an obviousness rejection, the Examiner is obliged to produce evidence compelling a conclusion that each of the three aforementioned basic criteria has been met.

Applicant further notes that the U.S. Supreme Court ruling of April 30, 2007 (*KSR Int'l v. Teleflex Inc.*) states:

> "The TSM test captures a helpful insight: A patent composed of several elements is not proved obvious merely by demonstrating that each element was, independently, known in the prior art. Although common sense directs caution as to a patent application claiming as innovation the combination of two known devices according to their established functions, it can be important to identify a reason that would have prompted a person of ordinary skill in the art to combine the elements as the new invention does."
>
> "To facilitate review, this analysis should be made explicit."

The U.S. Supreme Court ruling states that it is important to identify a *reason* that would have prompted a person to combine the elements and to make that analysis *explicit*.

Gratz in view of McClellan

Claim 16 stands rejected under 35 U.S.C. 102(a)(1) as being unpatentable by Gratz (US 2007/0158128) in further view of McClellan.

Regarding claim 16, the Office Action argued as best understood, Gratz discloses wherein the motor vehicle includes a GPS module (GPS 134) and the monitoring operation of the motor vehicle further comprises location data. Gratz is silent as to the GPS data including motor vehicle speed.

The Office Action argued McClellan, in a similar invention in the same field of endeavor, teaches obtaining speed data from GPS data taken over a time period.

The Office Action argued it would be obvious to one of ordinary skill in the art at the time of the invention to augment the invention of Gratz with the speed determination of McClellan. Doing so would allow the monitoring system to infer numerous parameters from GPS data.

Applicant Respectfully notes that claim 16 has been cancelled. Accordingly, the rejection of claim 16 has been rendered moot, and Applicant respectfully requests the rejection be withdrawn.

V. Conclusion

In view of the foregoing discussion, the Applicant has responded to each and every rejection of the Official Action. The Applicant has clarified the structural distinctions of the present invention via the discussion and amendments provided herein. Applicant respectfully requests the withdrawal of the rejections, based on the preceding amendments and remarks. Reconsideration and allowance of Applicant's application is also respectfully solicited.

Should there be any outstanding matters that need to be resolved, the Examiner is respectfully requested to contact the undersigned representative to conduct an interview in an effort to expedite prosecution in connection with the present application.

Respectfully submitted,

Dated: September 8, 2017

Kevin Soules
Attorney for Applicants
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PTO/SB/26 (07-09)
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TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT	Docket Number (Optional) 1000-1796-C2

In re Application of: Michael Phelan

Application No.: 14/712,124

Filed: 05/14/2015

For: DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE

The owner*, Michael Phelan, of 100 percent interest 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 **prior patent** No. 8417415 & 9493149 as the term of said prior patent is defined in 35 U.S.C. 154 and 173, and 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 as defined in 35 U.S.C. 154 and 173 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.

Check either box 1 or 2 below, if appropriate.

1. ☐ For submissions on behalf of a business/organization (e.g., corporation, partnership, university, government agency, etc.), the undersigned is empowered to act on behalf of the business/organization.

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.

2. ☑ The undersigned is an attorney or agent of record. Reg. No. 66,033

Kevin Soules — September 8, 2017
Signature — Date

Kevin Soules
Typed or printed name

505-314-1327
Telephone Number

☑ Terminal disclaimer fee under 37 CFR 1.20(d) included.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

*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.

This collection of information is required by 37 CFR 1.321. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Electronic Patent Application Fee Transmittal

Application Number:	14712124
Filing Date:	14-May-2015
Title of Invention:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
First Named Inventor/Applicant Name:	Michael Phelan
Filer:	Kevin Lee Soules/Kemlyn Evans
Attorney Docket Number:	1000-1796-C2

Filed as Micro Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
STATUTORY OR TERMINAL DISCLAIMER	3814	1	160	160
		Total in USD ($)		**160**

Electronic Acknowledgement Receipt

EFS ID:	30306918
Application Number:	14712124
International Application Number:	
Confirmation Number:	1048
Title of Invention:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
First Named Inventor/Applicant Name:	Michael Phelan
Customer Number:	64064
Filer:	Kevin Lee Soules/Kemlyn Evans
Filer Authorized By:	Kevin Lee Soules
Attorney Docket Number:	1000-1796-C2
Receipt Date:	08-SEP-2017
Filing Date:	14-MAY-2015
Time Stamp:	12:14:51
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$160
RAM confirmation Number	090817INTEFSW00010114504516
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment/Req. Reconsideration-After Non-Final Reject	1000-1796-C2_Amend_Sept2017.pdf	1865778 c4b453085e27bdb5a0a9fc2b83ff738f6f99ca9e	no	14
Warnings:					
Information:					
2	Terminal Disclaimer Filed	1000-1796-C2_Term_Disclaimer_Sept2017.pdf	228792 2983b423415ec0740eddbdfd237f93bd1726f068	no	1
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	30420 fd89f73abd855e82ddb680e97d404dee064ed437	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	2124990		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/712,124	05/14/2015	Michael Phelan	1000-1796-C2	1048

64064 7590 06/08/2017

ORTIZ & LOPEZ, PLLC
P.O. BOX 4484
ALBUQUERQUE, NM 87196-4484

EXAMINER	
DAGER, JONATHAN M	

ART UNIT	PAPER NUMBER
3663	

NOTIFICATION DATE	DELIVERY MODE
06/08/2017	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):

docketing@olpatentlaw.com

Office Action Summary	Application No. 14/712,124	Applicant(s) PHELAN, MICHAEL	
	Examiner JONATHAN M. DAGER	Art Unit 3663	AIA (First Inventor to File) Status Yes

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *22 May 2017*.

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

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ 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.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5)☒ Claim(s) *1-20* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-20* is/are rejected.

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

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

* If any claims have been determined allowable, 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.

Application Papers

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

11)☒ The drawing(s) filed on *14 July 2015* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ 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)).

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

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

4) ☐ Other: _____.

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Double Patenting

1. 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.

1a. Claims 1-14 are rejected on the ground of nonstatutory double patenting over claims 1-11 of U.S. Patent No. 8,417,415 and claims 1-18 of U.S. Patent No. 9,493,149 since the claims, if allowed, would improperly extend the "right to exclude" already granted in the patent.

The subject matter claimed in the instant application is fully disclosed in the patents and is covered by the patents since the patents and the application are claiming common subject matter, in that all subject matter claimed in the current application has already been encompassed by the scope of the claims of the granted patents.

Furthermore, there is no apparent reason why applicant was prevented from presenting claims corresponding to those of the instant application during prosecution of the application which matured into a patent. See *In re Schneller*, 397 F.2d 350, 158 USPQ 210 (CCPA 1968). See also MPEP § 804.

1b. Claims 15-20 are rejected on the ground of nonstatutory double patenting over claims 15-20 of U.S. Patent No. 9,045,101 since the claims, if allowed, would improperly extend the "right to exclude" already granted in the patent.

The subject matter claimed in the instant application is fully disclosed in the patent and is covered by the patent since the patent and the application are claiming common subject matter, in that all subject matter claimed in the current application has already been encompassed by the scope of the claims of the granted patent.

Furthermore, there is no apparent reason why applicant was prevented from presenting claims corresponding to those of the instant application during prosecution of the application which matured into a patent. See *In re Schneller*, 397 F.2d 350, 158 USPQ 210 (CCPA 1968). See also MPEP § 804.

Claim Rejections – 35 USC § 112

2. The following is a quotation of 35 U.S.C. 112(b):

> (b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 15-20 are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention.

Claim 15 recites the limitation "the high profile driver". There is insufficient antecedent basis for this limitation in the claim. Claims 16-20 are rejected due to dependency and/or similar recitations.

Claim Rejections - 35 USC § 102

3. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

Claims 15-20 are rejected under 35 U.S.C. 102(a)(1) as anticipated by Gratz (US 2007/0158128).

Regarding claim 15, as best understood, Gratz discloses a method of authenticating and monitoring drivers (identifying and monitoring the driving behavior, e.g. speed or location, of authorized vehicle users; Gratz at 0008-0010), comprising:

- Providing a motor vehicle with a driver authentication and monitoring system (motor vehicle restriction control system includes driver identification and monitoring means; Gratz at Fig. 1, 0027, 0029).

- Programming the driver authentication and monitoring system with an operating profile associated with a driver (restriction profile created by parent; Gratz at 0035-0037).
- Authenticating the driver (driver identified as authorized driver; Gratz at 0036).
- Enabling operation of the motor vehicle within limits of the operating profile by monitoring operation of the motor vehicle to determine if the driver is violating the operating profile (monitoring driving behavior with respect to predefined driving limits; Gratz at 0037).
- Governing mechanical operations of the vehicle remotely if the high profile driver violates the operating profile (parent governs vehicle usage remotely in an override situation; Gratz at 0049).

Regarding claims 17 and 18, as best understood, Gratz discloses providing an audible alarm to the driver and providing a signal remotely to an authorized user (Gratz at 0012).

Regarding claims 19 and 20, as best understood, Gratz discloses providing a control signal that limits functionality within the motor vehicle (Gratz at 0014, 0038).

Claim Rejections – 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 16 is rejected under 35 U.S.C. 103 as being unpatentable over Gratz, as applied above, and further in view of

Regarding claim 16, as best understood, Gratz discloses wherein the motor vehicle includes a GPS module (GPS 134) and the monitoring operation of the motor vehicle further comprises location data. Gratz is silent as to the GPS data including motor vehicle speed.

McClellan, in a similar invention in the same field of endeavor, teaches obtaining speed data from GPS data taken over a time period.

It would be obvious to one of ordinary skill in the art at the time of the invention to augment the invention of Gratz with the speed determination of McClellan. Doing so would allow the monitoring system to infer numerous parameters from GPS data.

Response to Arguments

5. Applicant's contention (see pages 9-10 filed 22 May 2017) with respect to the nonstatutory double patenting rejection of claims 1-14[1] has been fully considered and is not persuasive.

Applicant has contended the amendments to the claims overcomes the prior rejection. The examiner respectfully disagrees; the amendments to independent claims 1 and 11 merely renames the components of the invention, while leaving their attached functions unchanged. Since the newly named components maintain equivalency with the prior components, the invention of the amended claims are equivalent to, and functions the same as, that which is claimed in the prior listing filed 14 May 2015.

[1] The nonstatutory double patenting rejection of claims 15-20 as listed in the prior rejection was in error. See new nonstatutory double patenting rejection above.

Therefore, the nonstatutory double patenting rejection of claims 1-15 is maintained for those reasons cited above, and those mentioned in the prior office action, which is incorporated herein.

Remarks

6. No prior art could be found that would anticipate, or render obvious claims 1-14.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JONATHAN M. DAGER whose telephone number is (571)270-1332. The examiner can normally be reached on 0830-1700 M-F.

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, Angela Ortiz can be reached on 571-272-1206. 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.

/JONATHAN M DAGER/
Primary Examiner, Art Unit 3663
01 June 2017

Notice of References Cited	Application/Control No. 14/712,124	Applicant(s)/Patent Under Reexamination PHELAN, MICHAEL	
	Examiner JONATHAN M. DAGER	Art Unit 3663	Page 1 of 4

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-5,481,253 A	01-1996	Phelan; Michael D.	B60R25/24	307/10.2
*	B	US-2002/0049538 A1	04-2002	Knapton, Cary Paul	G01C21/28	701/472
*	C	US-6,430,488 B1	08-2002	Goldman; Kenneth Alan	B60R25/00	307/10.1
*	D	US-2003/0181822 A1	09-2003	Victor, Trent	A61B3/113	600/558
*	E	US-2003/0204290 A1	10-2003	Sadler, John G.	B60R25/04	701/1
*	F	US-2003/0231550 A1	12-2003	Macfarlane, Jane F.	B60R25/257	367/198
*	G	US-2004/0064221 A1	04-2004	DePrez, Mary K.	B60T7/042	701/2
*	H	US-6,741,920 B1	05-2004	Otto; Richard E.	B60R16/037	340/5.6
*	I	US-2004/0225557 A1	11-2004	Phelan, Joseph	G01M17/00	701/1
*	J	US-2005/0237150 A1	10-2005	Sun, Hao	G07C9/00182	340/5.52
*	K	US-2005/0288837 A1	12-2005	Wiegand, Michael	B60R16/037	701/36
*	L	US-2006/0066149 A1	03-2006	Holloway; Lane Thomas	B60R25/24	307/10.3
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FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
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	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.

Notice of References Cited	Application/Control No. 14/712,124	Applicant(s)/Patent Under Reexamination PHELAN, MICHAEL	
	Examiner JONATHAN M. DAGER	Art Unit 3663	Page 2 of 4

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2006/0212195 A1	09-2006	Veith; Gregory W.	G06Q10/06	701/33.4
*	B	US-2006/0200008 A1	09-2006	Moore-Ede; Martin	B60K28/06	600/300
*	C	US-2007/0082706 A1	04-2007	Campbell; Douglas C.	B60R16/0373	455/563
*	D	US-2007/0129056 A1	06-2007	Cheng; Russel	G06Q30/02	455/405
*	E	US-2007/0158128 A1	07-2007	Gratz; Rosemarie M.	B60R25/1004	180/287
*	F	US-2007/0155368 A1	07-2007	Phelan; James Daniel	H04W8/245	455/412.1
*	G	US-2007/0200663 A1	08-2007	White; Steve	A61B5/117	340/5.31
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*	I	US-2008/0269979 A1	10-2008	Hermann; Thomas	H04L41/082	701/29.6
*	J	US-2008/0319602 A1	12-2008	McClellan; Scott	G07C5/008	701/31.4
*	K	US-2009/0024273 A1	01-2009	Follmer; Todd	G06Q10/10	701/33.4
*	L	US-2009/0027177 A1	01-2009	Hodder; David John	B60R25/04	340/426.12
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FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
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	T					

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	Examiner JONATHAN M. DAGER	Art Unit 3663	Page 3 of 4

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2009/0079555 A1	03-2009	Aguirre De Carcer; Giadha	G07C5/008	340/441
*	B	US-2009/0069954 A1	03-2009	ALADESUYI; Kayode	B60R25/102	701/2
*	C	US-2009/0189736 A1	07-2009	Hayashi; Hitoshi	G06F21/32	340/5.81
*	D	US-2010/0045452 A1	02-2010	Periwal; Neeraj	B60Q9/00	340/439
*	E	US-2010/0087986 A1	04-2010	LAL; DHANANJAY	B60R16/023	701/36
*	F	US-2010/0161171 A1	06-2010	Valentine; Eric Lee	B22D11/12	701/31.4
*	G	US-8,131,441 B2	03-2012	Nallapa; Venkatapathi Raju	B60W30/188	701/87
*	H	US-8,258,939 B2	09-2012	Miller; Thomas Lee	B60R25/00	340/301
*	I	US-8,463,488 B1	06-2013	Hart; Paul	G07C5/008	340/576
*	J	US-8,751,105 B2	06-2014	Whelan; Rene A.	B60R25/00	180/268
*	K	US-2014/0358376 A1	12-2014	Phelan; Michael	B60W10/18	701/41
*	L	US-2015/0350750 A1	12-2015	YUN; Doo Seop	H04Q9/00	340/870.07
*	M	US-2016/0001718 A1	01-2016	Laifenfeld; Moshe	H04W84/005	701/32.7

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
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	R					
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
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Notice of References Cited	Application/Control No. 14/712,124	Applicant(s)/Patent Under Reexamination PHELAN, MICHAEL	
	Examiner JONATHAN M. DAGER	Art Unit 3663	Page 4 of 4

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2016/0001715 A1	01-2016	Laifenfeld; Moshe	B60R16/023	701/32.7
	B	US-				
	C	US-				
	D	US-				
	E	US-				
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	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	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.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14712124	PHELAN, MICHAEL
	Examiner	**Art Unit**
	JONATHAN M DAGER	3663

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

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

CLAIM		DATE								
Final	Original	02/13/2017	06/01/2017							
	1	✓	✓							
	2	✓	✓							
	3	✓	✓							
	4	✓	✓							
	5	✓	✓							
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	16	✓	✓							
	17	✓	✓							
	18	✓	✓							
	19	✓	✓							
	20	✓	✓							

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	43505	340/988-996,425$3-490.ccls. or 701/1,2,19-49,70,93,200-216,300.ccls. or phelan.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:28
S2	7394	S1 and ((central$5 or remot$3 or main) with (manager$4 or monitor$4 or station or database))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:29
S3	1220	S2 and ((user or driver or operator) with (file or profile))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:30
S4	883	S3 and ((user or driver or operator) with (authenticat$4 or biometric or keyword or password or code or identify$4 or identification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:30
S5	57	S3 and (((user or driver or operator) with (authenticat$4 or biometric or keyword or password or code or identify$4 or identification)) same terminal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:31
S6	13	S5 and ((overspeed or speed$4 or location or reckless or abusive or seatbelt or unauthorized or prohibit$4) with (alert$4 or alarm$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:32
S7	619575	((central$5 or remot$3 or main) with (manager$4 or monitor$4 or station or database or server))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:40
S8	115297	S7 and ((user or driver or operator) with (file or profile))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:40
S9	82875	S8 and ((user or driver or operator) with (pin or authenticat$4 or biometric	US-PGPUB;	OR	ON	2011/09/30 14:40

		or keyword or password or code or identify$4 or identification))	USPAT; FPRS; EPO; JPO; DERWENT			
S10	8210	S8 and (((user or driver or operator) with (pin or authenticat$4 or biometric or keyword or password or code or identify$4 or identification)) same terminal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:41
S11	586	S10 and ((overspeed or speed$4 or location or reckless or abusive or seatbelt or unauthorized or prohibit$4) with (alert$4 or alarm$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:41
S12	222	S11 and gps	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:42
S13	27	S12 and (vehicle with terminal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:44
S14	1	("2007/0158128").URPN.	USPAT	OR	ON	2011/09/30 14:48
S15	0	("2008/0245598").URPN.	USPAT	OR	ON	2011/09/30 14:48
S16	10	"196509".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:20
S17	8	"496509".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:20
S18	0	("2010/0004818").URPN.	USPAT	OR	ON	2011/10/03 09:51
S19	11	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$).did.	US-PGPUB	OR	ON	2011/10/03 09:56
S20	0	S19 and rfid	US-PGPUB	OR	ON	2011/10/03 09:56
S21	1	S19 and fob	US-PGPUB	OR	ON	2011/10/03 09:56
S22	0	S16 and rfid	US-	OR	ON	2011/10/03

			PGPUB; USPAT; FPRS; EPO; JPO; DERWENT			09:57
S23	619817	((central$5 or remot$3 or main) with (manager$4 or monitor$4 or station or database or server))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S24	115299	S23 and ((user or driver or operator) with (file or profile))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S25	8210	S24 and (((user or driver or operator) with (pin or authenticat$4 or biometric or keyword or password or code or identify$4 or identification)) same terminal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S26	586	S25 and ((overspeed or speed$4 or location or reckless or abusive or seatbelt or unauthorized or prohibit$4) with (alert$4 or alarm$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S27	222	S26 and gps	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S28	66	S27 and rfid	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:58
S29	9	S28 and (fob or keyfob or "key fob")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:02
S30	25	S27 and (fob or keyfob or "key fob")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:03
S31	1024	rke	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:04
S32	535	S31 and (authenticat$4 or identif$)	US-	OR	ON	2011/10/03

			PGPUB; USPAT; FPRS; EPO; JPO; DERWENT			10:05
S33	170	S31 and ((authenticat$4 or identif$) with (user or driver))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:05
S34	62	S31 and (((authenticat$4 or identif$) with (user or driver)) same (fob or keyfob or transciever or key-fob or smart))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:06
S35	61	S34 and vehicle	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:06
S36	2	S34 and ((user or driver or operator) with (file or profile))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:06
S37	1	"12496509"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/03/05 13:32
S38	12	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$).did.	US-PGPUB	OR	OFF	2012/03/05 16:28
S39	9	S38 and (fault$4 or error or malfunction or breakdown or accident)	US-PGPUB	OR	OFF	2012/03/05 16:28
S40	12	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$).did.	US-PGPUB	OR	OFF	2012/03/05 17:03
S41	9	S40 and (fault$4 or error or malfunction or breakdown or accident)	US-PGPUB	OR	OFF	2012/03/05 17:03
S42	10	("2006/0212195").URPN.	USPAT	OR	OFF	2012/03/05

						17:12
S43	1318	phelan.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2012/03/05 17:14
S44	163	S43 and vehicle	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2012/03/05 17:15
S45	46	S44 and ((authenticat$4 or identif$) with (user or driver))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2012/03/05 17:16
S46	13	S45 and ((central$5 or remot$3 or main) with (manager$4 or monitor$4 or station or database))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2012/03/05 17:16
S47	41	("20010033225" | "20020022920" | "20020049538" | "20020111735" | "20020123834" | "20020178033" | "20030195694" | "20030216857" | "20040083041" | "20040153362" | "4007438" | "5797134" | "5819198" | "6064970" | "6067489" | "6438472" | "6473000" | "6636790" | "6771176").PN. OR ("6931309").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/03/05 17:17
S48	19	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$).did.	US-PGPUB	OR	OFF	2012/09/25 14:46
S49	1	"12496509"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/09/25 14:48
S50	11	S48 and (radio or audio or stereo)	US-PGPUB	OR	OFF	2012/09/25 15:01
S51	5235	vehicle same parent$4 same control$4	US-PGPUB; USPAT; USOCR; EPO; JPO;	OR	OFF	2012/09/25 15:06

			DERWENT			
S52	46	S51 and ((disabl$4 or prevent$4 or prohibit$4 or ((power$4 or turn$4) with (off or down))) with (radio or stereo))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/09/25 15:07
S53	51	S51 and ((disabl$4 or prevent$4 or restrict$4 or prohibit$4 or ((power$4 or turn$4) with (off or down))) with (radio or stereo))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/09/25 15:08
S54	118	("4477874" | "4707788" | "4835970" | "5091856" | "5124920" | "5247440" | "5289369" | "5303163" | "5379219" | "5446659" | "5504482" | "5513107" | "5532690" | "5581464" | "5608629" | "5680328" | "5812070" | "5877707" | "5938716" | "5948026" | "5969598" | "6006148" | "6076026" | "6122580" | "6173231" | "6232874" | "6256565" | "6275231" | "6278928").PN. OR ("6430488").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:14
S55	82	S54 and radio	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:15
S56	1014581	"9" and parent$3	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:15
S57	27	S55 and parent$3	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:15
S58	1012	phelan.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:18
S59	131	phelan.in. and vehicle	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:18
S60	49	phelan.in. and vehicle and radio	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:18
S61	46	phelan.in. and vehicle and radio and identif$	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:18
S62	46	phelan.in. and vehicle and radio and (identif$$4 or identification)	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:19
S63	46	phelan.in. and vehicle and radio and (identif$4 or identification)	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:19

S64	1	S63 and authentication	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:19
S65	76	("3059070" | "3187334" | "3520161" | "3644745" | "3651464" | "3660624" | "3757305" | "3796889" | "3870895" | "4148372" | "4150731" | "4222034" | "4296402" | "4335370" | "4347545" | "4379966" | "4390758" | "4436993" | "4438426" | "4533016" | "4555619" | "4565922" | "4578573" | "4645939" | "4659915" | "4682062" | "4686358" | "4733638" | "4842093" | "4965460" | "4993627" | "5006843" | "5079435" | "5109221").PN. OR ("5481253").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:21
S66	1	S65 and (radio same (alert$4 or alarm$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:22
S67	25	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$).did.	US-PGPUB; USPAT	OR	OFF	2012/09/25 19:46
S68	36	PHELAN.IN. and ("307" or "180" or "701" or "340" or "180").clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/12/13 14:22
S69	8	S68 and gps and profile	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/12/13 14:23
S70	1	"12196509"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/15 19:09
S71	213	phelan.in. and unique	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2014/05/15 19:09

			DERWENT			
S72	29	phelan.in. and (unique with code)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2014/05/15 19:10
S73	15	phelan.in. and (unique with code) and driver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2014/05/15 19:10
S74	2	"6633800".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 11:59
S75	2	"20060224280"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 12:00
S76	0	"13858930"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2014/08/29 10:46
S77	2	"12496509"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2014/08/29 10:56
S78	16	phelan.in. and (unique with code) and driver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2014/08/29 12:32
S79	5	("2010/0004818").URPN.	USPAT	OR	ON	2014/08/29 12:32
S80	20	phelan.in. and (unique with code) and driver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2015/01/30 11:50
S81	29	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-	US-PGPUB; USPAT	OR	ON	2015/06/19 11:51

		20090027177-$ or US-20100004818-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$ or US-8751105-$ or US-8751104-$ or US-8463488-$).did.				
S82	7	S81 and pin	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 11:51
S83	20	S81 and (pin or code)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 11:51
S84	6	"11742091"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 12:02
S85	74	("20020049538" | "20020096572" | "20020135466" | "20030078709" | "20030181822" | "20040010358" | "20040019416" | "20040085189" | "20040092253" | "20040124968" | "20040158373" | "20040225557" | "20050030184" | "20050134477" | "20050137757" | "20050159853" | "20050182538" | "20050216144" | "20050237150" | "20050288837" | "20060001523" | "20060047419" | "20060049962" | "20060106515" | "20060111817" | "20060122749" | "20060195483" | "20060200008" | "20060212195" | "20070082706" | "20070139170" | "20070158128" | "20070200663" | "20080077298" | "20080228358" | "20080245598" | "20080269979" | "20080319602" | "20090024273" | "20090027177" | "20090030770" | "20090069954" | "20090079555" | "20090082928" | "20090189736" | "20090195370" | "20100004818" | "20100161171" | "4754255" | "5525977" | "5808374" | "6148212" | "6266589" | "6323761" | "6445084" | "6532298" | "6549115" | "6711474" | "6759943" | "6830123" | "6999858" | "7038596" | "7085635" | "7170400" | "7419027" | "7454545" | "7483772" | "7564342" | "7685162" | "7801507" | "7979177" | "8050815" | "8577548").PN. OR ("8751104").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/06/19 12:03
S86	13	("20030204290" | "20060066149" | "20070046425" | "20070143482" | "20080093445" | "20080255722" | "20090069954" | "20100004818" | "20100045452" | "20110254655" | "7548491").PN. OR ("8463488").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/06/19 12:07
S87	2	"20030231550"	US-PGPUB; USPAT;	OR	ON	2015/06/19 12:16

			USOCR			
S88	35	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$ or US-20100004818-$ or US-20080269979-$ or US-20100161171-$ or US-20100045452-$ or US-20060066149-$ or US-20030204290-$).did. or (US-20030231550-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$ or US-8751105-$ or US-8751104-$ or US-8463488-$).did.	US-PGPUB; USPAT	OR	ON	2015/06/19 12:18
S89	8	S81 and ((alcohol or drinking or inebriat$4 or impair) with (driver or user))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 12:19
S90	7	S89 and (vehicle same (location or gps) same speed)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 12:19
S91	4	("2006/0066149").URPN.	USPAT	OR	ON	2015/06/22 11:17
S92	6	("2009/0069954").URPN.	USPAT	OR	ON	2015/06/22 11:30
S93	39	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$ or US-20080269979-$ or US-20100161171-$ or US-20100045452-$ or US-20060066149-$ or US-20030204290-$ or US-20030231550-$).did. or (US-20070200663-$ or US-20050288837-$ or US-20050237150-$ or US-20030181822-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$ or US-8751105-$ or US-8751104-$ or US-8463488-$ or US-8131441-$).did.	US-PGPUB; USPAT	OR	ON	2015/06/22 11:33
S94	29	S93 and (driver with (identif$ or	US-	OR	ON	2015/06/22

		authenticat$4))	PGPUB; USPAT			11:33
S95	3	("2008/0269979").URPN.	USPAT	OR	ON	2015/06/22 11:39
S96	18	("20030078709" | "20040010358" | "20040158373" | "20050237150" | "20060001523" | "20060049962" | "20080077298" | "20080228358" | "20080269979" | "20090082928" | "20100161171" | "6445084" | "6532298" | "6549115" | "6999858" | "7038596" | "7685162").PN. OR ("7979177").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/06/22 11:39
S97	21	S94 and gps	US-PGPUB; USPAT	OR	ON	2015/06/22 11:41
S98	2795	wireless same vehicle same architecture	US-PGPUB; USPAT; EPO; JPO	OR	ON	2016/03/02 11:08
S99	12	(wireless same vehicle same architecture) and (wireless with ecu with communication)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2016/03/02 11:08
S100	19	("20020009296" | "20020196510" | "20030040347" | "20030114980" | "20050046584" | "20060036930" | "20060208169" | "20110064126" | "20120093198" | "20120133843" | "20120291537" | "20130029624" | "20140073243" | "20140163751" | "5833025" | "6091362" | "6369923" | "7164117" | "8050318").PN. OR ("9227579").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:10
S101	31	("20030186652" | "20050090953" | "20050273211" | "20080039998" | "6078252" | "6177867" | "6195602" | "6480144" | "7005972" | "7084748" | "7099751" | "7177743" | "7603214" | "7689327").PN. OR ("8229625").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:11
S102	2	"20040064221"	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:19
S103	45	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$ or US-20080269979-$ or US-20100161171-$ or US-20100045452-$ or US-20060066149-$	US-PGPUB; USPAT	OR	ON	2016/03/02 11:40

		or US-20030204290-$ or US-20030231550-$).did. or (US-20070200663-$ or US-20050288837-$ or US-20050237150-$ or US-20030181822-$ or US-20160001718-$ or US-20160001715-$ or US-20150350750-$ or US-20100087986-$ or US-20080039998-$ or US-20040064221-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$ or US-8751105-$ or US-8751104-$ or US-8463488-$ or US-8131441-$).did.				
S104	3	S103 and ((inhibit$4 or restrict$4) with (phone or cellular))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2016/03/02 11:41
S105	22	("20020078726" | "20030169163" | "20050200466" | "20080245598" | "20090195376" | "20090198413" | "20090312901" | "20090312902" | "20100004818" | "20110082625" | "20110137520" | "6198996" | "6278358" | "6362734" | "6501374" | "6507779" | "6806810" | "7868750" | "8421589" | "8527146").PN. OR ("8751105").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:42
S106	1	"20120283911"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2016/03/04 10:00
S107	37	phelan.in. and (unique with code)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2016/06/20 10:44
S109	6	"12496509"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2017/02/13 11:20
S110	7785	vehicle same parent$4 same control$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/02/14 11:53
S111	95	phelan.in. and vehicle and radio and (identif$4 or identification)	US-PGPUB; USPAT; USOCR	OR	OFF	2017/02/14 11:54
S112	23	phelan.in. and (unique with code) and driver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2017/02/14 11:54
S115	1	"8417415".PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2017/06/01 10:34

S116	6	"13858930"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2017/06/01 10:36
S117	48	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$ or US-20080269979-$ or US-20100161171-$ or US-20100045452-$ or US-20060066149-$ or US-20030204290-$ or US-20030231550-$).did. or (US-20070200663-$ or US-20050288837-$ or US-20050237150-$ or US-20030181822-$ or US-20160001718-$ or US-20160001715-$ or US-20150350750-$ or US-20100087986-$ or US-20080039998-$ or US-20040064221-$ or US-20070155368-$ or US-20070129056-$ or US-20140358376-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$ or US-8751105-$ or US-8751104-$ or US-8463488-$ or US-8131441-$).did.	US-PGPUB; USPAT	OR	ON	2017/06/01 11:08
S118	12	S117 and (vehicle same (speed with gps))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2017/06/01 11:08
S119	36	phelan.in. and (unique with code)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2017/06/01 11:31
S120	48	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$ or US-20080269979-$ or US-20100161171-$ or US-20100045452-$ or US-20060066149-$ or US-20030204290-$ or US-20030231550-$).did. or (US-20070200663-$ or US-20050288837-$ or US-20050237150-$ or US-	US-PGPUB; USPAT	OR	ON	2017/06/01 11:39

		20030181822-$ or US-20160001718-$ or US-20160001715-$ or US-20150350750-$ or US-20100087986-$ or US-20080039998-$ or US-20040064221-$ or US-20070155368-$ or US-20070129056-$ or US-20140358376-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$ or US-8751105-$ or US-8751104-$ or US-8463488-$ or US-8131441-$).did.				

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S108	33	phelan.in. and (unique with code)	US-PGPUB; USPAT	OR	ON	2016/06/20 10:51
S113	34	phelan.in. and (unique with code)	US-PGPUB; USPAT	OR	ON	2017/02/14 11:39
S114	0	("2014/0358376").URPN.	USPAT	OR	ON	2017/02/14 11:47

6/2/2017 4:38:57 PM
C:\Users\jdager\Desktop\patent searches\phelan\14712124 13 february 2017.wsp

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14712124	PHELAN, MICHAEL
	Examiner	Art Unit
	JONATHAN M DAGER	3663

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
REVIEW OF PRIORITY CHAIN	2/13/2017	JD
ASSIGNEE	2/13/2017	JD
INVENTOR	2/13/2017	JD
KEYWORD	2/13/2017	JD
CITATON OF BEST PRIOR ARTI	2/13/2017	JD
INVENTOR	6/1/2017	JD
REVIEW OF PARENT APPLICATIONS	6/1/2017	JD
KEYWORD	6/1/2017	JD
CITATION OF BEST PRIOR ART	6/1/2017	JD

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	Michael Phelan	**EXAMINER:**	Jonathan Dager
SERIAL NO.:	14/712,124	**GROUP:**	3663
FILED:	05/14/2015	**ATTY DKT NO.:**	1000-1796-C2

TITLE: DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE

Please forward all correspondence to:
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Albuquerque, NM 87196-4484

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

AMENDMENTS, REPLY AND REQUEST FOR RECONSIDERATION UNDER 37 C.F.R. § 1.111

Dear Sir:

In response to the Office Action dated February 24, 2017 in the above captioned matter, please enter the following amendments and remarks:

Amendments to the claims begin on Page 2 of this Paper.

Remarks begin on Page 8 of this Paper.

CLAIM AMENDMENTS

Please amend claims 1-15 and 17-20 as follows:

1. (Currently Amended) A ~~driver authentication and monitoring~~ system, comprising:

~~a master control unit~~ a driver authentication system ~~operating in a motor vehicle~~ for authenticating at least one driver via a driver identification interface, wherein the driver authentication system ~~master control unit~~ receives a unique identification code to permit the at least one driver to operate the vehicle within an operating profile associated with the at least one driver ~~and accessible by the master control unit~~; and

~~a slave control unit installed in the motor vehicle and coupled to~~ at least one computer associated with the driver authentication system ~~motor vehicle~~, said driver authentication system ~~slave control unit~~ in communication with said computer ~~master control unit~~ and configured to monitor operation of the ~~motor~~ vehicle and generate a signal ~~to the master control unit~~ if the at least one driver violates the operating profile thereby providing feedback to the driver authentication system ~~master control unit~~ about usage of the vehicle, and wherein the driver authentication system ~~slave control unit~~ cooperates with the at least one computer to control operation of the vehicle ~~based on commands received from the master control unit~~.

2. (Currently Amended) The ~~driver authentication and monitoring~~ system of claim 1, further comprising a database comprising a program module including at least one operating parameter associated with a vehicle, the program module remotely accessible by an authorized user to program an operating profile with respect to at least one driver, the program module accessed by the authorized user via a network utilizing a remote computer.

3. (Currently Amended) The ~~driver authentication and monitoring~~ system of claim 2, wherein the driver identification interface in conjunction with a remote computer loads the operating profile in the driver authentication system ~~mater control unit~~ for the at least one driver.

4. (Currently Amended) The ~~driver authentication and monitoring~~ system of claim 1, further comprising:

a GPS module; a memory module; and a function indicator module.

5. (Currently Amended) The ~~driver authentication and monitoring~~ system of claim 4, wherein the operating profile is loaded into the memory module for enabling controlled operation of the vehicle when the at least one driver is authenticated.

6. (Currently Amended) The ~~driver authentication and monitoring~~ system of claim 4, wherein the GPS module provides location information to ~~at least~~ the driver authentication system ~~master control unit in association with~~ indicating a physical location of the vehicle.

7. (Currently Amended) The ~~driver authentication and monitoring~~ system of claim 1, wherein the driver authentication system ~~slave control unit~~ further comprises a power regulator module; a starter relay module; a definable relay module; a slave microcontroller; and an alarm synthesizer.

8. (Currently Amended) The ~~driver authentication and monitoring~~ system of claim 2, wherein the at least one operating parameter comprises at least one of: a maximum allowable vehicle speed; an allowable vehicle location; allowable hours of operation; and seatbelt usage.

9. (Currently Amended) The ~~driver authentication and monitoring~~ system of claim 1, wherein the driver authentication system ~~slave control unit~~ generates an alarm signal for alerting said authorized user when the at least one driver violates the operating profile.

10. (Currently Amended) The ~~driver authentication and monitoring~~ system of claim 1, wherein the driver identification interface comprises at least one of:

a portable handheld device;

a radio frequency identification device; and

a USB compatible device.

11. (Currently Amended) A ~~driver authentication and monitoring~~ system, comprising:

a driver authentication system ~~master control unit~~ in a motor vehicle for authenticating at least one driver via driver identification and associating an operating profile with the at least one driver;

a GPS module providing at least location and speed information in association with movement of the motor vehicle; and

a data logging device recording vehicle operation data associated with use of the motor vehicle by the at least one driver including location and speed information from the GPS module; [[and]]

wherein said ~~a slave control unit installed in the motor vehicle and~~ driver authentication system is coupled to at least one computer associated with the motor vehicle, ~~said slave control unit in communication with said master control unit~~ and is configured to monitor operation of the motor vehicle and generate a signal to the driver authentication system ~~master control unit~~ if the at least one driver violates the operating profile ~~thereby providing feedback to the master control unit about usage of the vehicle~~, and wherein the driver authentication

system ~~slave control unit~~ cooperates with the at least one computer to control operation of the vehicle ~~based on commands received from the master control unit~~;

wherein the driver authentication system ~~master control unit~~ permits the at least one driver to operate the vehicle within an operating profile if the driver authentication system ~~master control unit~~ receives at least one of a unique identification code to permit the at least one driver to operate the vehicle within an operating profile and the at least one driver has not violated the operating profile.

12. (Currently Amended) The ~~driver authentication and monitoring~~ system of claim 11, wherein the driver authentication system ~~slave control unit~~ further comprises a power regulator module; a starter relay module; a definable relay module; a slave microcontroller; and an alarm synthesizer.

13. (Currently Amended) The ~~driver authentication and monitoring~~ system of claim 11, wherein the operating profile comprises at least one operating parameter including at least one of: a maximum allowable vehicle speed; an allowable vehicle location; allowable hours of operation; and seatbelt usage.

14. (Currently Amended) The ~~driver authentication and monitoring~~ system of claim 11, wherein the driver authentication system ~~slave control unit~~ generates an alarm signal for remotely alerting the authorized user when the at least one driver violates said operating profile.

15. (Currently Amended) A method of authenticating and monitoring drivers, comprising:

providing a motor vehicle with a driver authentication and monitoring system;

programming the driver authentication and monitoring system with an operating profile associated with a ~~high risk~~ driver;

authenticating the ~~high risk~~ driver; ~~and enable~~

enabling operation of the motor vehicle within limits of the operating profile by monitoring operation of the motor vehicle to determine if the ~~high profile~~ driver is violating the operating profile; and

~~generating a signal if said high profile driver violates the operating profile while operating the motor vehicle; and~~

governing mechanical operations of the vehicle remotely if the high profile driver violates the operating profile.

16. (Original) The method of authenticating and monitoring drivers in claim 15, wherein the motor vehicle includes a GPS module and the monitoring operation of the motor vehicle further comprises obtaining GPS data including motor vehicle speed and location.

17. (Currently Amended) The method of authenticating and monitoring drivers in claim 15 further comprising:~~, wherein the step of generating a signal includes~~

providing an audible alarm to the driver and providing a signal remotely to an authorized user.

18. (Currently Amended) The method of authenticating and monitoring drivers in claim 16 further comprising:~~, wherein the step of generating a signal includes~~

providing an alarm remotely to an authorized user.

19. (Currently Amended) The method of authenticating and monitoring drivers in claim 15 further comprising: ~~, wherein the step of generating an alarm signal includes~~

providing a control signal that limits functionality within the motor vehicle.

20. (Currently Amended) The method of authenticating and monitoring drivers in claim 16 further comprising: ~~, wherein the step of generating a signal includes~~ providing a control signal that limits functionality of the motor vehicle.

REMARKS

I. Double Patenting

The Office Action indicated 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). Citing, 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).

The Office Action indicated 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. citing MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. Citing MPEP §§ 706.02(1)(1) - 706.02(1)(3) for applications not subject to examination under the first inventor to file provisions of the AIA. The Office Action indicated a terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The Office Action indicated 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-infoI.jsp.

The Office Action indicated claims 1-20 are rejected on the ground of nonstatutory double patenting over claims 1-11 of U.S. Patent No. 8,417,415 since the claims, if allowed, would improperly extend the "right to exclude" already granted in the patent.

The Office Action argued the subject matter claimed in the instant application is fully disclosed in the patent and is covered by the patent since the patent and the application are claiming common subject matter, in that all subject matter claimed in the current application has already been encompassed by the scope of the claims of the granted patent.

The Office Action further argued there is no apparent reason why applicant was prevented from presenting claims corresponding to those of the instant application during prosecution of the application which matured into a patent. Citing *In re Schneller*, 397 F.2d 350, 158 USPQ 210 (CCPA 1968). Citing also MPEP § 804.

The Office Action indicated none of the prior art cited could anticipate, or be combined to render obvious the claimed invention. Upon resolution of the above cited issues, the claims will be in condition for allowance.

Applicant respectfully notes that claims 1-15 and 17-20 have been amended to differentiate them from U.S. Patent No. 8,417,415. According to these amendments, the Applicant respectfully asserts the double patenting rejection has

been traversed. Accordingly, Applicant respectfully requests the rejection be withdrawn and the claims be moved to allowance.

II. Conclusion

In view of the foregoing discussion, the Applicant has responded to each and every rejection of the Official Action. The Applicant has clarified the structural distinctions of the present invention via the discussion and amendments provided herein. Applicant respectfully requests the withdrawal of the rejections, based on the preceding amendments and remarks. Reconsideration and allowance of Applicant's application is also respectfully solicited.

Should there be any outstanding matters that need to be resolved, the Examiner is respectfully requested to contact the undersigned representative to conduct an interview in an effort to expedite prosecution in connection with the present application.

Respectfully submitted,

Dated: May 22, 2017

Kevin Soules
Attorney for Applicants
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Tel. (505) 314-1310

Electronic Acknowledgement Receipt

EFS ID:	29273687
Application Number:	14712124
International Application Number:	
Confirmation Number:	1048
Title of Invention:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
First Named Inventor/Applicant Name:	Michael Phelan
Customer Number:	64064
Filer:	Kevin Lee Soules/Kemlyn Evans
Filer Authorized By:	Kevin Lee Soules
Attorney Docket Number:	1000-1796-C2
Receipt Date:	22-MAY-2017
Filing Date:	14-MAY-2015
Time Stamp:	14:42:13
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment/Req. Reconsideration-After Non-Final Reject	1000-1796-C2_Amend_May2017.pdf	1320003 d459e26ab419ee610dd33070008a2cf406588e89	no	11

Warnings:

Information:	
Total Files Size (in bytes):	1320003

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
14/712,124	05/14/2015	

ENTITY: ☐ LARGE ☐ SMALL ☒ MICRO

APPLICATION AS FILED – PART I

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

APPLICATION AS AMENDED – PART II

AMENDMENT **05/22/2017**

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	X $20 =	0
Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $105 =	0
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	0

AMENDMENT

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

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

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

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

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

LIE
ANNETTE SMITH

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/712,124	05/14/2015	Michael Phelan	1000-1796-C2	1048

64064 7590 02/24/2017

ORTIZ & LOPEZ, PLLC
P.O. BOX 4484
ALBUQUERQUE, NM 87196-4484

EXAMINER	
DAGER, JONATHAN M	

ART UNIT	PAPER NUMBER
3663	

NOTIFICATION DATE	DELIVERY MODE
02/24/2017	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):

docketing@olpatentlaw.com

Office Action Summary	Application No. 14/712,124	Applicant(s) PHELAN, MICHAEL	
	Examiner JONATHAN M. DAGER	Art Unit 3663	AIA (First Inventor to File) Status Yes

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *14 May 2015*.

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

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ 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.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5)☒ Claim(s) *1-20* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-20* is/are rejected.

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

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

* If any claims have been determined allowable, 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.

Application Papers

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

11)☒ The drawing(s) filed on *14 July 2015* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ 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)).

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

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

4) ☐ Other: _____.

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Double Patenting

1. 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.

Claims 1-20 are rejected on the ground of nonstatutory double patenting over claims 1-11 of U.S. Patent No. 8,417,415 since the claims, if allowed, would improperly extend the "right to exclude" already granted in the patent.

The subject matter claimed in the instant application is fully disclosed in the patent and is covered by the patent since the patent and the application are claiming common subject matter, in that all subject matter claimed in the current application has already been encompassed by the scope of the claims of the granted patent.

Furthermore, there is no apparent reason why applicant was prevented from presenting claims corresponding to those of the instant application during prosecution of the application which matured into a patent. See *In re Schneller*, 397 F.2d 350, 158 USPQ 210 (CCPA 1968). See also MPEP § 804.

Prior Art

2. None of the prior art cited could anticipate, or be combined to render obvious the claimed invention. Upon resolution of the above cited issues, the claims will be in condition for allowance.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JONATHAN M. DAGER whose telephone number is (571)270-1332. The examiner can normally be reached on 0830-1800 (M-F).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Thomas Tarcza can be reached at 571-272-6979. 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.

/JONATHAN M DAGER/
Primary Examiner, Art Unit 3663
13 February 2017

Notice of References Cited	Application/Control No. 14/712,124	Applicant(s)/Patent Under Reexamination PHELAN, MICHAEL	
	Examiner JONATHAN M. DAGER	Art Unit 3663	Page 1 of 4

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-5,481,253 A	01-1996	Phelan; Michael D.	B60R25/24	307/10.2
*	B	US-2002/0049538 A1	04-2002	Knapton, Cary Paul	G01C21/28	701/472
*	C	US-6,430,488 B1	08-2002	Goldman; Kenneth Alan	B60R25/00	307/10.1
*	D	US-2003/0181822 A1	09-2003	Victor, Trent	A61B3/113	600/558
*	E	US-2003/0204290 A1	10-2003	Sadler, John G.	B60R25/04	701/1
*	F	US-2003/0231550 A1	12-2003	Macfarlane, Jane F.	B60R25/257	367/198
*	G	US-2004/0064221 A1	04-2004	DePrez, Mary K.	B60T7/042	701/2
*	H	US-6,741,920 B1	05-2004	Otto; Richard E.	B60R16/037	340/5.6
*	I	US-2004/0225557 A1	11-2004	Phelan, Joseph	G01M17/00	701/1
*	J	US-2005/0237150 A1	10-2005	Sun, Hao	G07C9/00182	340/5.52
*	K	US-2005/0288837 A1	12-2005	Wiegand, Michael	B60R16/037	701/36
*	L	US-2006/0066149 A1	03-2006	Holloway; Lane Thomas	B60R25/24	307/10.3
*	M	US-2006/0047419 A1	03-2006	Diendorf; John R.	G01C21/26	701/532

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
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	P					
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

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*	A	US-2006/0212195 A1	09-2006	Veith; Gregory W.	G06Q10/06	701/33.4
*	B	US-2006/0200008 A1	09-2006	Moore-Ede; Martin	B60K28/06	600/300
*	C	US-2007/0082706 A1	04-2007	Campbell; Douglas C.	B60R16/0373	455/563
*	D	US-2007/0129056 A1	06-2007	Cheng; Russel	G06Q30/02	455/405
*	E	US-2007/0158128 A1	07-2007	Gratz; Rosemarie M.	B60R25/1004	180/287
*	F	US-2007/0155368 A1	07-2007	Phelan; James Daniel	H04W8/245	455/412.1
*	G	US-2007/0200663 A1	08-2007	White; Steve	A61B5/117	340/5.31
*	H	US-2008/0039998 A1	02-2008	Fein; Gene	B60R16/037	701/36
*	I	US-2008/0269979 A1	10-2008	Hermann; Thomas	H04L41/082	701/29.6
*	J	US-2008/0319602 A1	12-2008	McClellan; Scott	G07C5/008	701/31.4
*	K	US-2009/0024273 A1	01-2009	Follmer; Todd	G06Q10/10	701/33.4
*	L	US-2009/0027177 A1	01-2009	Hodder; David John	B60R25/04	340/426.12
*	M	US-2009/0030770 A1	01-2009	Hersh; Richard	G06Q10/06311	705/7.13

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2009/0079555 A1	03-2009	Aguirre De Carcer; Giadha	G07C5/008	340/441
*	B	US-2009/0069954 A1	03-2009	ALADESUYI; Kayode	B60R25/102	701/2
*	C	US-2009/0189736 A1	07-2009	Hayashi; Hitoshi	G06F21/32	340/5.81
*	D	US-2010/0045452 A1	02-2010	Periwal; Neeraj	B60Q9/00	340/439
*	E	US-2010/0087986 A1	04-2010	LAL; DHANANJAY	B60R16/023	701/36
*	F	US-2010/0161171 A1	06-2010	Valentine; Eric Lee	B22D11/12	701/31.4
*	G	US-8,131,441 B2	03-2012	Nallapa; Venkatapathi Raju	B60W30/188	701/87
*	H	US-8,258,939 B2	09-2012	Miller; Thomas Lee	B60R25/00	340/301
*	I	US-8,463,488 B1	06-2013	Hart; Paul	G07C5/008	340/576
*	J	US-8,751,105 B2	06-2014	Whelan; Rene A.	B60R25/00	180/268
*	K	US-2014/0358376 A1	12-2014	Phelan; Michael	B60W10/18	701/41
*	L	US-2015/0350750 A1	12-2015	YUN; Doo Seop	H04Q9/00	340/870.07
*	M	US-2016/0001718 A1	01-2016	Laifenfeld; Moshe	H04W84/005	701/32.7

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2016/0001715 A1	01-2016	Laifenfeld; Moshe	B60R16/023	701/32.7
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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14712124	PHELAN, MICHAEL
	Examiner	Art Unit
	JONATHAN M DAGER	3663

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

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

CLAIM		DATE								
Final	Original	02/13/2017								
	1	✓								
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	20	✓								

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	7785	vehicle same parent$4 same control$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/02/14 11:53
L4	95	phelan.in. and vehicle and radio and (identif$4 or identification)	US-PGPUB; USPAT; USOCR	OR	OFF	2017/02/14 11:54
L5	23	phelan.in. and (unique with code) and driver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2017/02/14 11:54
S1	43505	340/988-996,425$3-490.ccls. or 701/1,2,19-49,70,93,200-216,300.ccls. or phelan.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:28
S2	7394	S1 and ((central$5 or remot$3 or main) with (manager$4 or monitor$4 or station or database))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:29
S3	1220	S2 and ((user or driver or operator) with (file or profile))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:30
S4	883	S3 and ((user or driver or operator) with (authenticat$4 or biometric or keyword or password or code or identify$4 or identification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:30
S5	57	S3 and (((user or driver or operator) with (authenticat$4 or biometric or keyword or password or code or identify$4 or identification)) same terminal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:31
S6	13	S5 and ((overspeed or speed$4 or location or reckless or abusive or seatbelt or unauthorized or prohibit$4) with (alert$4 or alarm$4))	US-PGPUB; USPAT; FPRS;	OR	ON	2011/09/30 14:32

			EPO; JPO; DERWENT			
S7	619575	((central$5 or remot$3 or main) with (manager$4 or monitor$4 or station or database or server))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:40
S8	115297	S7 and ((user or driver or operator) with (file or profile))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:40
S9	82875	S8 and ((user or driver or operator) with (pin or authenticat$4 or biometric or keyword or password or code or identify$4 or identification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:40
S10	8210	S8 and (((user or driver or operator) with (pin or authenticat$4 or biometric or keyword or password or code or identify$4 or identification)) same terminal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:41
S11	586	S10 and ((overspeed or speed$4 or location or reckless or abusive or seatbelt or unauthorized or prohibit$4) with (alert$4 or alarm$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:41
S12	222	S11 and gps	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:42
S13	27	S12 and (vehicle with terminal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:44
S14	1	("2007/0158128").URPN.	USPAT	OR	ON	2011/09/30 14:48
S15	0	("2008/0245598").URPN.	USPAT	OR	ON	2011/09/30 14:48
S16	10	"196509".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:20
S17	8	"496509".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:20

S18	0	("2010/0004818").URPN.	USPAT	OR	ON	2011/10/03 09:51
S19	11	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$).did.	US-PGPUB	OR	ON	2011/10/03 09:56
S20	0	S19 and rfid	US-PGPUB	OR	ON	2011/10/03 09:56
S21	1	S19 and fob	US-PGPUB	OR	ON	2011/10/03 09:56
S22	0	S16 and rfid	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S23	619817	((central$5 or remot$3 or main) with (manager$4 or monitor$4 or station or database or server))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S24	115299	S23 and ((user or driver or operator) with (file or profile))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S25	8210	S24 and (((user or driver or operator) with (pin or authenticat$4 or biometric or keyword or password or code or identify$4 or identification)) same terminal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S26	586	S25 and ((overspeed or speed$4 or location or reckless or abusive or seatbelt or unauthorized or prohibit$4) with (alert$4 or alarm$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S27	222	S26 and gps	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S28	66	S27 and rfid	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:58
S29	9	S28 and (fob or keyfob or "key fob")	US-PGPUB; USPAT; FPRS;	OR	ON	2011/10/03 10:02

			EPO; JPO; DERWENT			
S30	25	S27 and (fob or keyfob or "key fob")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:03
S31	1024	rke	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:04
S32	535	S31 and (authenticat$4 or identif$)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:05
S33	170	S31 and ((authenticat$4 or identif$) with (user or driver))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:05
S34	62	S31 and (((authenticat$4 or identif$) with (user or driver)) same (fob or keyfob or transciever or key-fob or smart))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:06
S35	61	S34 and vehicle	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:06
S36	2	S34 and ((user or driver or operator) with (file or profile))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:06
S37	1	"12496509"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/03/05 13:32
S38	12	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$).did.	US-PGPUB	OR	OFF	2012/03/05 16:28
S39	9	S38 and (fault$4 or error or	US-PGPUB	OR	OFF	2012/03/05

		malfunction or breakdown or accident)				16:28
S40	12	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$).did.	US-PGPUB	OR	OFF	2012/03/05 17:03
S41	9	S40 and (fault$4 or error or malfunction or breakdown or accident)	US-PGPUB	OR	OFF	2012/03/05 17:03
S42	10	("2006/0212195").URPN.	USPAT	OR	OFF	2012/03/05 17:12
S43	1318	phelan.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2012/03/05 17:14
S44	163	S43 and vehicle	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2012/03/05 17:15
S45	46	S44 and ((authenticat$4 or identif$) with (user or driver))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2012/03/05 17:16
S46	13	S45 and ((central$5 or remot$3 or main) with (manager$4 or monitor$4 or station or database))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2012/03/05 17:16
S47	41	("20010033225" | "20020022920" | "20020049538" | "20020111735" | "20020123834" | "20020178033" | "20030195694" | "20030216857" | "20040083041" | "20040153362" | "4007438" | "5797134" | "5819198" | "6064970" | "6067489" | "6438472" | "6473000" | "6636790" | "6771176").PN. OR ("6931309").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/03/05 17:17
S48	19	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-	US-PGPUB	OR	OFF	2012/09/25 14:46

		20050137757-$ or US-20040225557-$ or US-20020049538-$).did.				
S49	1	"12496509"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/09/25 14:48
S50	11	S48 and (radio or audio or stereo)	US-PGPUB	OR	OFF	2012/09/25 15:01
S51	5235	vehicle same parent$4 same control$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/09/25 15:06
S52	46	S51 and ((disabl$4 or prevent$4 or prohibit$4 or ((power$4 or turn$4) with (off or down))) with (radio or stereo))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/09/25 15:07
S53	51	S51 and ((disabl$4 or prevent$4 or restrict$4 or prohibit$4 or ((power$4 or turn$4) with (off or down))) with (radio or stereo))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/09/25 15:08
S54	118	("4477874" | "4707788" | "4835970" | "5091856" | "5124920" | "5247440" | "5289369" | "5303163" | "5379219" | "5446659" | "5504482" | "5513107" | "5532690" | "5581464" | "5608629" | "5680328" | "5812070" | "5877707" | "5938716" | "5948026" | "5969598" | "6006148" | "6076026" | "6122580" | "6173231" | "6232874" | "6256565" | "6275231" | "6278928").PN. OR ("6430488").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:14
S55	82	S54 and radio	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:15
S56	1014581	"9" and parent$3	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:15
S57	27	S55 and parent$3	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:15
S58	1012	phelan.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:18
S59	131	phelan.in. and vehicle	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:18
S60	49	phelan.in. and vehicle and radio	US-	OR	OFF	2012/09/25

			PGPUB; USPAT; USOCR			15:18
S61	46	phelan.in. and vehicle and radio and identif$	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:18
S62	46	phelan.in. and vehicle and radio and (identif$$4 or identification)	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:19
S63	46	phelan.in. and vehicle and radio and (identif$4 or identification)	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:19
S64	1	S63 and authentication	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:19
S65	76	("3059070" | "3187334" | "3520161" | "3644745" | "3651464" | "3660624" | "3757305" | "3796889" | "3870895" | "4148372" | "4150731" | "4222034" | "4296402" | "4335370" | "4347545" | "4379966" | "4390758" | "4436993" | "4438426" | "4533016" | "4555619" | "4565922" | "4578573" | "4645939" | "4659915" | "4682062" | "4686358" | "4733638" | "4842093" | "4965460" | "4993627" | "5006843" | "5079435" | "5109221").PN. OR ("5481253").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:21
S66	1	S65 and (radio same (alert$4 or alarm$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2012/09/25 15:22
S67	25	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$).did.	US-PGPUB; USPAT	OR	OFF	2012/09/25 19:46
S68	36	PHELAN.IN. and ("307" or "180" or "701" or "340" or "180").clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/12/13 14:22
S69	8	S68 and gps and profile	US-PGPUB;	OR	OFF	2012/12/13 14:23

			USPAT; USOCR; EPO; JPO; DERWENT			
S70	1	"12196509"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/15 19:09
S71	213	phelan.in. and unique	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2014/05/15 19:09
S72	29	phelan.in. and (unique with code)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2014/05/15 19:10
S73	15	phelan.in. and (unique with code) and driver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2014/05/15 19:10
S74	2	"6633800".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 11:59
S75	2	"20060224280"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 12:00
S76	0	"13858930"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2014/08/29 10:46
S77	2	"12496509"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2014/08/29 10:56
S78	16	phelan.in. and (unique with code) and driver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2014/08/29 12:32
S79	5	("2010/0004818").URPN.	USPAT	OR	ON	2014/08/29 12:32
S80	20	phelan.in. and (unique with code) and driver	US-PGPUB; USPAT; FPRS;	OR	ON	2015/01/30 11:50

			EPO; JPO; DERWENT			
S81	29	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$ or US-20100004818-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$ or US-8751105-$ or US-8751104-$ or US-8463488-$).did.	US-PGPUB; USPAT	OR	ON	2015/06/19 11:51
S82	7	S81 and pin	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 11:51
S83	20	S81 and (pin or code)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 11:51
S84	6	"11742091"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 12:02
S85	74	("20020049538" | "20020096572" | "20020135466" | "20030078709" | "20030181822" | "20040010358" | "20040019416" | "20040085189" | "20040092253" | "20040124968" | "20040158373" | "20040225557" | "20050030184" | "20050134477" | "20050137757" | "20050159853" | "20050182538" | "20050216144" | "20050237150" | "20050288837" | "20060001523" | "20060047419" | "20060049962" | "20060106515" | "20060111817" | "20060122749" | "20060195483" | "20060200008" | "20060212195" | "20070082706" | "20070139170" | "20070158128" | "20070200663" | "20080077298" | "20080228358" | "20080245598" | "20080269979" | "20080319602" | "20090024273" | "20090027177" | "20090030770" | "20090069954" | "20090079555" | "20090082928" | "20090189736" | "20090195370" | "20100004818" | "20100161171" | "4754255" | "5525977" | "5808374" | "6148212" | "6266589" | "6323761" | "6445084" | "6532298" | "6549115" | "6711474" | "6759943" | "6830123" | "6999858" | "7038596" | "7085635" |	US-PGPUB; USPAT; USOCR	OR	ON	2015/06/19 12:03

		"7170400" | "7419027" | "7454545" | "7483772" | "7564342" | "7685162" | "7801507" | "7979177" | "8050815" | "8577548").PN. OR ("8751104").URPN.				
S86	13	("20030204290" | "20060066149" | "20070046425" | "20070143482" | "20080093445" | "20080255722" | "20090069954" | "20100004818" | "20100045452" | "20110254655" | "7548491").PN. OR ("8463488").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/06/19 12:07
S87	2	"20030231550"	US-PGPUB; USPAT; USOCR	OR	ON	2015/06/19 12:16
S88	35	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$ or US-20100004818-$ or US-20080269979-$ or US-20100161171-$ or US-20100045452-$ or US-20060066149-$ or US-20030204290-$).did. or (US-20030231550-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$ or US-8751105-$ or US-8751104-$ or US-8463488-$).did.	US-PGPUB; USPAT	OR	ON	2015/06/19 12:18
S89	8	S81 and ((alcohol or drinking or inebriat$4 or impair) with (driver or user))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 12:19
S90	7	S89 and (vehicle same (location or gps) same speed)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 12:19
S91	4	("2006/0066149").URPN.	USPAT	OR	ON	2015/06/22 11:17
S92	6	("2009/0069954").URPN.	USPAT	OR	ON	2015/06/22 11:30
S93	39	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$	US-PGPUB; USPAT	OR	ON	2015/06/22 11:33

		or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$ or US-20080269979-$ or US-20100161171-$ or US-20100045452-$ or US-20060066149-$ or US-20030204290-$ or US-20030231550-$).did. or (US-20070200663-$ or US-20050288837-$ or US-20050237150-$ or US-20030181822-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$ or US-8751105-$ or US-8751104-$ or US-8463488-$ or US-8131441-$).did.				
S94	29	S93 and (driver with (identif$ or authenticat$4))	US-PGPUB; USPAT	OR	ON	2015/06/22 11:33
S95	3	("2008/0269979").URPN.	USPAT	OR	ON	2015/06/22 11:39
S96	18	("20030078709" | "20040010358" | "20040158373" | "20050237150" | "20060001523" | "20060049962" | "20080077298" | "20080228358" | "20080269979" | "20090082928" | "20100161171" | "6445084" | "6532298" | "6549115" | "6999858" | "7038596" | "7685162").PN. OR ("7979177").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2015/06/22 11:39
S97	21	S94 and gps	US-PGPUB; USPAT	OR	ON	2015/06/22 11:41
S98	2795	wireless same vehicle same architecture	US-PGPUB; USPAT; EPO; JPO	OR	ON	2016/03/02 11:08
S99	12	(wireless same vehicle same architecture) and (wireless with ecu with communication)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2016/03/02 11:08
S100	19	("20020009296" | "20020196510" | "20030040347" | "20030114980" | "20050046584" | "20060036930" | "20060208169" | "20110064126" | "20120093198" | "20120133843" | "20120291537" | "20130029624" | "20140073243" | "20140163751" | "5833025" | "6091362" | "6369923" | "7164117" | "8050318").PN. OR ("9227579").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:10
S101	31	("20030186652" | "20050090953" | "20050273211" | "20080039998" | "6078252" | "6177867" | "6195602" | "6480144" | "7005972" | "7084748" | "7099751" | "7177743" | "7603214" | "7689327").PN. OR ("8229625").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:11
S102	2	"20040064221"	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:19

S103	45	(US-20090079555-$ or US-20090069954-$ or US-20090030770-$ or US-20090024273-$ or US-20080319602-$ or US-20080245598-$ or US-20060047419-$ or US-20060212195-$ or US-20090189736-$ or US-20070158128-$ or US-20060200008-$ or US-20070082706-$ or US-20060122749-$ or US-20060111817-$ or US-20060106515-$ or US-20050182538-$ or US-20050137757-$ or US-20040225557-$ or US-20020049538-$ or US-20090027177-$ or US-20080269979-$ or US-20100161171-$ or US-20100045452-$ or US-20060066149-$ or US-20030204290-$ or US-20030231550-$).did. or (US-20070200663-$ or US-20050288837-$ or US-20050237150-$ or US-20030181822-$ or US-20160001718-$ or US-20160001715-$ or US-20150350750-$ or US-20100087986-$ or US-20080039998-$ or US-20040064221-$).did. or (US-6430488-$ or US-8258939-$ or US-7956730-$ or US-6741920-$ or US-5481253-$ or US-8751105-$ or US-8751104-$ or US-8463488-$ or US-8131441-$).did.	US-PGPUB; USPAT	OR	ON	2016/03/02 11:40
S104	3	S103 and ((inhibit$4 or restrict$4) with (phone or cellular))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2016/03/02 11:41
S105	22	("20020078726" | "20030169163" | "20050200466" | "20080245598" | "20090195376" | "20090198413" | "20090312901" | "20090312902" | "20100004818" | "20110082625" | "20110137520" | "6198996" | "6278358" | "6362734" | "6501374" | "6507779" | "6806810" | "7868750" | "8421589" | "8527146").PN. OR ("8751105").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:42
S106	1	"20120283911"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2016/03/04 10:00
S107	37	phelan.in. and (unique with code)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2016/06/20 10:44
S109	6	"12496509"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2017/02/13 11:20

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

L1	34	phelan.in. and (unique with code)	US-PGPUB; USPAT	OR	ON	2017/02/14 11:39
L2	0	("2014/0358376").URPN.	USPAT	OR	ON	2017/02/14 11:47
S108	33	phelan.in. and (unique with code)	US-PGPUB; USPAT	OR	ON	2016/06/20 10:51

2/ 14/ 2017 11:54:42 AM
C:\ Users\ jdager\ Desktop\ patent searches\ phelan\ 14712124 13 february 2017.wsp

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14712124	PHELAN, MICHAEL
	Examiner	Art Unit
	JONATHAN M DAGER	3663

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
REVIEW OF PRIORITY CHAIN	2/13/2017	JD
ASSIGNEE	2/13/2017	JD
INVENTOR	2/13/2017	JD
KEYWORD	2/13/2017	JD
CITATON OF BEST PRIOR ARTI	2/13/2017	JD

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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United States Patent and Trademark Office
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/712,124	05/14/2015	Michael Phelan	1000-1796-C2

CONFIRMATION NO. 1048

64064
ORTIZ & LOPEZ, PLLC
P.O. BOX 4484
ALBUQUERQUE, NM 87196-4484

PUBLICATION NOTICE

OC00000078496705

Title:DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE

Publication No.US-2015-0314755-A1
Publication Date:11/05/2015

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/.

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

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 14/712,124

APPLICATION AS FILED - PART I

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

APPLICATION AS AMENDED - PART II

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

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

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/712,124	05/14/2015	3661	435	1000-1796-C2	20	3

CONFIRMATION NO. 1048

UPDATED FILING RECEIPT

64064
ORTIZ & LOPEZ, PLLC
P.O. BOX 4484
ALBUQUERQUE, NM 87196-4484

OC000000078431562

Date Mailed: 07/28/2015

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)

Michael Phelan, Santa Fe, NM;

Applicant(s)

Michael Phelan, Santa Fe, NM;

Power of Attorney: The patent practitioners associated with Customer Number 64064

Domestic Priority data as claimed by applicant

This application is a CON of 13/858,930 04/08/2013 PAT 9045101
which is a CON of 12/496,509 07/01/2009 PAT 8417415
which claims benefit of 61/077,568 07/02/2008

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 - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 05/22/2015
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/712,124**
Projected Publication Date: 11/05/2015
Non-Publication Request: No
Early Publication Request: No

**** MICRO ENTITY ****
Title

DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE

Preliminary Class

701

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

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

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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NOT GRANTED

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United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/712,124	05/14/2015	Michael Phelan	1000-1796-C2

CONFIRMATION NO. 1048

64064
ORTIZ & LOPEZ, PLLC
P.O. BOX 4484
ALBUQUERQUE, NM 87196-4484

FORMALITIES LETTER

OC000000075342193

Date Mailed: 05/26/2015

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
- The application search fee must be submitted.
- The application examination fee must be submitted.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121(d) are required. The drawings submitted are not acceptable because:
  - The drawings have a line quality that is too light to be reproduced (weight of all lines and letters must be heavy enough to permit adequate reproduction) or text that is illegible (reference characters, sheet numbers, and view numbers must be plain and legible) see 37 CFR 1.84(l) and (p)(1)); See Figure(s) 1.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

- Surcharge as set forth in 37 CFR 1.16(f) must be submitted.
  The surcharge is due for any one of:
  - late submission of the basic filing fee, search fee, or examination fee,
  - late submission of inventor's oath or declaration,
  - filing an application that does not contain at least one claim on filing, or
  - submission of an application filed by reference to a previously filed application.

Mercedes EX1002
Page 150 of 210

SUMMARY OF FEES DUE:

The fee(s) required within **TWO MONTHS** from the date of this Notice to avoid abandonment is/are itemized below. Micro entity discount is in effect.

- $ **70** basic filing fee.
- $ **35** surcharge.
- $ **150** search fee.
- $ **180** examination fee.
- $(**0**) previous unapplied payment amount.
- $ **435** TOTAL FEE BALANCE DUE.

Replies must be received in the USPTO within the set time period or must include a proper Certificate of Mailing or Transmission under 37 CFR 1.8 with a mailing or transmission date within the set time period. For more information and a suggested format, see Form PTO/SB/92 and MPEP 512.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

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If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

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

/zmoguss/

Electronic Patent Application Fee Transmittal

Application Number:	14712124
Filing Date:	14-May-2015
Title of Invention:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
First Named Inventor/Applicant Name:	Michael Phelan
Filer:	Kermit Dean Lopez/Kemlyn Evans
Attorney Docket Number:	1000-1796-C2

Filed as Micro Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
BASIC UTILITY PATENT FILING FEE-MCRO-ENT	3011	1	70	70
Utility Search Fee	3111	1	150	150
Utility Examination Fee	3311	1	180	180
Pages:				
Claims:				
Miscellaneous-Filing:				
Late Filing Fee for Oath or Declaration	3051	1	35	35
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**435**

Electronic Acknowledgement Receipt

EFS ID:	22910721
Application Number:	14712124
International Application Number:	
Confirmation Number:	1048
Title of Invention:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
First Named Inventor/Applicant Name:	Michael Phelan
Customer Number:	64064
Filer:	Kermit Dean Lopez/Kemlyn Evans
Filer Authorized By:	Kermit Dean Lopez
Attorney Docket Number:	1000-1796-C2
Receipt Date:	14-JUL-2015
Filing Date:	14-MAY-2015
Time Stamp:	13:26:29
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$435
RAM confirmation Number	11387
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		1000-1796-C2_Rplcmnt_Drwg.pdf	2290160 349233e09bc01304bdd8b18d001d7a7ee56e7246	yes	3

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Drawings-only black and white line drawings	1	1
Applicant Response to Pre-Exam Formalities Notice	2	3

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	37224 7aaf04a5e5b2c7617127d1e15dda9e9e665b2372	no	2

Warnings:

Information:

Total Files Size (in bytes):	2327384

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

New Applications Under 35 U.S.C. 111

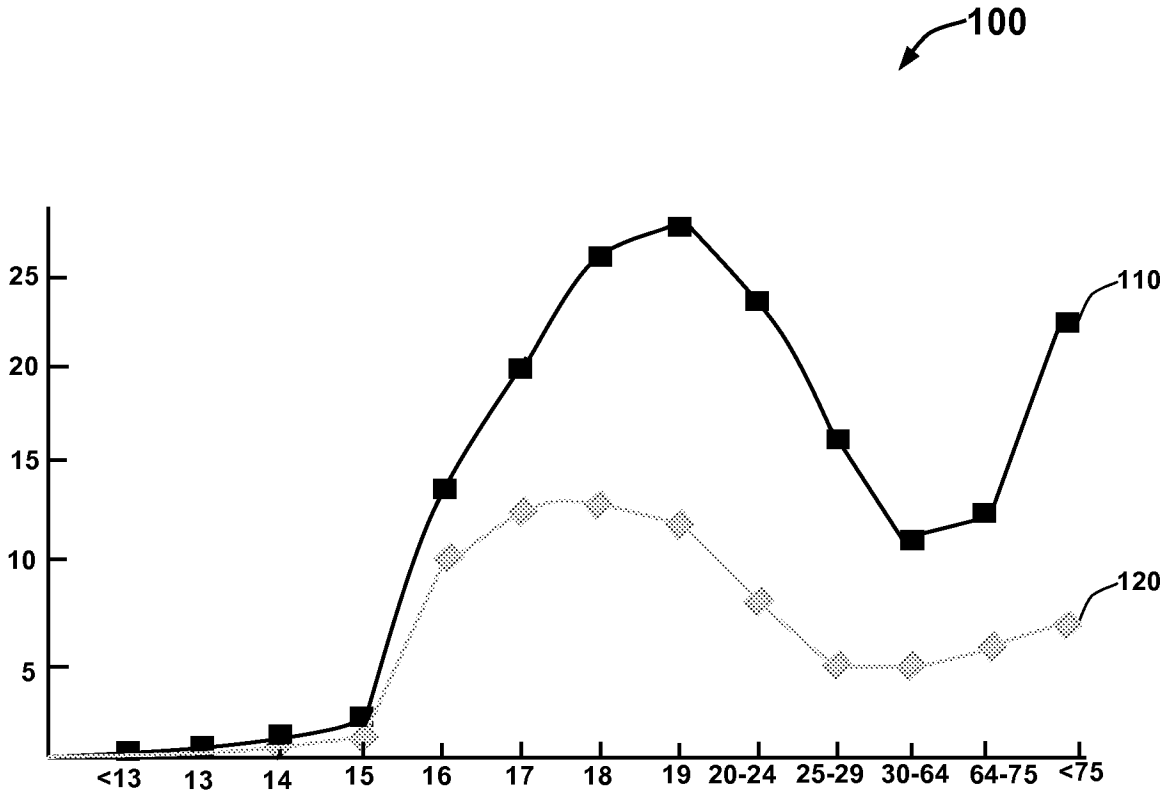
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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

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

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.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25-29
30-64
64-75
<75

FIG. 1

SCORE Placeholder Sheet for IFW Content

Application Number: 14712124 Document Date: 07/14/2015

The presence of this form in the IFW record indicates that the following document type was received in electronic format on the date identified above. This content is stored in the SCORE database.

- Drawings – Other than Black and White Line Drawings

Since this was an electronic submission, there is no physical artifact folder, no artifact folder is recorded in PALM, and no paper documents or physical media exist. The TIFF images in the IFW record were created from the original documents that are stored in SCORE.

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Form Revision Date: September 30, 2013

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/712,124	05/14/2015	Michael Phelan	1000-1796-C2

CONFIRMATION NO. 1048

64064
ORTIZ & LOPEZ, PLLC
P.O. BOX 4484
ALBUQUERQUE, NM 87196-4484

FORMALITIES LETTER

OC000000075342193

Date Mailed: 05/26/2015

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

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- The application examination fee must be submitted.

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  - late submission of inventor's oath or declaration,
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- $ **35** surcharge.
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For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at http://www.uspto.gov/ebc.

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/zmoguss/

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 14/712,124

APPLICATION AS FILED - PART I

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

APPLICATION AS AMENDED - PART II

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

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

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
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*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/712,124	05/14/2015	3661	0.00	1000-1796-C2	20	3

CONFIRMATION NO. 1048

64064
ORTIZ & LOPEZ, PLLC
P.O. BOX 4484
ALBUQUERQUE, NM 87196-4484

FILING RECEIPT

OC000000075342192

Date Mailed: 05/26/2015

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)

Michael Phelan, Santa Fe, NM;

Applicant(s)

Michael Phelan, Santa Fe, NM;

Power of Attorney: The patent practitioners associated with Customer Number 64064

Domestic Priority data as claimed by applicant

This application is a CON of 13/858,930 04/08/2013 PAT 9045101
which is a CON of 12/496,509 07/01/2009 PAT 8417415
which claims benefit of 61/077,568 07/02/2008

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 - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 05/22/2015
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/712,124**
Projected Publication Date: To Be Determined - pending completion of Missing Parts
Non-Publication Request: No
Early Publication Request: No

**** MICRO ENTITY ****

Title

DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE

Preliminary Class

701

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

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

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign AssetsControl, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

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

SelectUSA

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

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.:	1000-1796-C2	Total Pages:	44
First Named Inventor or Application Identifier			
Michael Phelan			
Express Mail Label No.:	Not Applicable		

APPLICATION ELEMENTS

See MPEP Chapter 600 concerning utility patent application contents.

ADDRESS TO: **Mail Stop Patent Application**
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

1. ☐ Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)

2. ☒ Specification (incl. claims) (Total Pages: 23)

3. ☒ Drawing(s) (35 USC 113) (Total Sheets: 8)

☐ Informal ☒ Formal

4. ☒ Oath or Declaration

a. ☐ Newly executed
(original or copy)

b. ☒ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]

☐ i. DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

5. ☐ Incorporation By Reference
(usable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)

7. Nucleotide and/or Amino Acid Sequence Submission
(If applicable, all necessary)

a. ☐ Computer Readable Copy
b. ☐ Paper Copy (Identical to computer copy)
c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))

9. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)

10. ☐ English Translation Document (if applicable)

11. ☐ Information Disclosure Statement (IDS)/PTO-1449

12. ☐ Preliminary Amendment

13. ☐ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

14. ☐ Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired

15. ☐ Certified Copy of Priority Document(s)
(If foreign priority is claimed)

16. ☒ Other: PTO/SB/15A, Application Data Sheet

17. ☒ **CROSS-REFERENCE TO PATENT APPLICATION**: The present application is a continuation of nonprovisional application no. 13/858,930, entitled "DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE," filed April 8, 2013, which is a continuation of nonprovisional patent application no. 12/496,509, entitled "Driver Authentication System and Method For Monitoring and Controlling Vehicle Usage," filed July 1, 2009, which is a continuation of provisional patent application no. 61/077,568, entitled "Systems and Methods for Monitoring and Controlling Vehicle Usage by Young Drivers", filed July 2, 2008, which are all hereby incorporated by reference .

18. **CORRESPONDENCE ADDRESS**

☐ *Same as prior application* ☒ *Correspondence address below*

NAME	Ortiz & Lopez, PLLC				
ADDRESS	P.O. Box 4484				
CITY	Albuquerque	STATE	NM	ZIP CODE	87196
COUNTRY	U.S.A.	TELEPHONE	(505) 314-1310	FAX	(505) 314-1307

19. ☒ The filing fee is calculated below:

CLAIMS AS FILED, LESS ANY CLAIMS CANCELED BY ABOVE-INDICATED AMENDMENT(S)				
(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
TOTAL CLAIMS (37 CFR 1.16(c))	**20** - 20 =	**0**	x $ 20	= **$0.00**
INDEPENDENT CLAIMS (37 CFR 1.16(b))	**3** - 3 =	**0**	x $ 105	= **$0.00**
MULTIPLE DEPENDENT CLAIMS (IF APPLICABLE) (37 CFR 1.16(d))		ANY - - **0**	$ 195	= **$ 0.00**
BASIC FILING FEE				$70.00
UTILITY SEARCH FEE				$150.00
UTILITY EXAMINATION FEE				$180.00
TOTAL			=	**$ 400.00**

20. ☐ This is an authorization under 37 CFR 1.136(a)(3) to treat any concurrent or future reply, requiring a petition for extension of time, as incorporating a petition for the appropriate extension of time.

21. ☐ Power of Attorney

22. ☐ The assignee of this application to be indicated on its publication is .

Respectfully submitted,

Luis M. Ortiz
Signature per 37 CFR 1.33 & 34
Date: May 14, 2015
Registration No. 36,230
Telephone (505) 314-1311

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

PTO/SB/15A (03-13)

CERTIFICATION OF MICRO ENTITY STATUS
(GROSS INCOME BASIS)

Application Number or Control Number (if applicable):	Patent Number (if applicable):
TBD	
First Named Inventor:	**Title of Invention:**
Michael Phelan	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE

The applicant hereby certifies the following—

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

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

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

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

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

Signature					
Name	Luis M. Ortiz				
Date	May 14,2015	Telephone	(505) 314-1311	Registration No.	36,230

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

PTO/AIA/14 (12-13)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1000-1796-C2
	Application Number	
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE	

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
	Michael		Phelan	

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

City	Santa Fe	State/Province	NM	Country of Residence i	US

Mailing Address of Inventor:

Address 1	851 Camino Francisca		
Address 2			
City	Santa Fe	State/Province	NM
Postal Code	87506	Country i	US

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

Correspondence Information:

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

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

Customer Number	64064		
Email Address	docketing@olpatentlaw.com	Add Email	Remove Email

Application Information:

Title of the Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE		
Attorney Docket Number	1000-1796-C2	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	8	Suggested Figure for Publication (if any)	

Filing By Reference :

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1000-1796-C2
	Application Number	
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE	

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	64064		

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	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
	Continuation of	13858930	2013-04-08	9045101	2015-06-02
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13858930	Continuation of	12496509	2009-07-01	8417415	2013-04-09

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1000-1796-C2
	Application Number	
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE	

Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
12496509	Claims benefit of provisional	61077568	2008-07-02

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

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

PTO/AIA/14 (12-13)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1000-1796-C2
	Application Number	
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE	

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.

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. ☐

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1000-1796-C2
	Application Number	
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE	

Mailing Address Information:			
Address 1			
Address 2			
City		**State/Province**	
Country i		Postal Code	
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 subsitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Assignee 1

Complete this section 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.

Remove

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

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

Mailing Address Information For Assignee including Non-Applicant Assignee:			
Address 1			
Address 2			
City		**State/Province**	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

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

PTO/AIA/14 (12-13)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1000-1796-C2
	Application Number	
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE	

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	/LUIS ORTIZ/			Date (YYYY-MM-DD)	2015-05-14
First Name	Luis	Last Name	Ortiz	Registration Number	36230

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.**

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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).

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DECLARATION/POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

As a below named inventor, I hereby declare that:

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

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application entitled: **DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE**

the application of which
☐ is attached hereto OR ☒ was filed on 04/08/2013 as U.S. Application No. 13/858,930

The above-identified application was made or authorized to be made by me.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56.

The present application is a continuation of nonprovisional patent application no. 12/496,509, entitled "Driver Authentication System and Method For Monitoring and Controlling Vehicle Usage," filed July 1, 2009, which is a continuation of provisional patent application no. 61/077,568, entitled "Systems and methods for monitoring and controlling vehicle usage by young drivers", filed July 2, 2008, which are all hereby incorporated by reference.

Authorization To Permit Access To Application by Participating Offices

☒ If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified 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, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified application, 2) any foreign application to which the above-identified application claims priority under 35 USC 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 above-identified US application, and 3) any U.S. application from which benefit is sought in the above-identified application.

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Power of Attorney

I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Customer Number **64064**

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION, continued

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.

Name of sole or first inventor: Michael Phelan

Inventor's Signature: _____ Date: MAY 28, 2013

Residence: 851 Camino Francisca
Santa Fe, NM 87506

Citizenship: United States of America

Mailing Address:
(Same as above)

DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE

INVENTION PRIORITY

[0001] The present application is a continuation of nonprovisional application no. 13/858,930, entitled "DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE," filed April 8, 2013, which is a continuation of nonprovisional patent application no. 12/496,509, entitled "Driver Authentication System and Method For Monitoring and Controlling Vehicle Usage," filed July 1, 2009, which is a continuation of provisional patent application no. 61/077,568, entitled "Systems and Methods for Monitoring and Controlling Vehicle Usage by Young Drivers", filed July 2, 2008, which are all hereby incorporated by reference.

TECHNICAL FIELD

[0002] Embodiments are generally related to techniques for use in ensuring motor vehicle operation safety. Embodiments are also related to systems and methods for monitoring and controlling vehicle usage by high-risk drivers.

BACKGROUND OF THE INVENTION

[0003] The widespread usage of motor vehicles for both personal and work related activities places millions of vehicles on roads each day with their operation being largely unmonitored. Unmonitored vehicle operation can lead to issues including, for example, abusive use of the vehicle and lack of experience. With more young drivers getting licenses each year, there has been an unfortunate increase in accidents along with the ensuing damage, debilitating injuries and sometimes death. Most of these accidents are attributable to speeding and generally poor driving habits.

[0004] FIG. 1 illustrates a graphical representation 100 that depicts the actual deaths in passenger vehicles by age provided by National Highway Transportation Safety Administration (NHTSA). The curve 110 represents the death rate associated with male drivers and the curve 120 represents the death rate of female drivers. From the graph 100, it is clear that the distribution of age related deaths is bi-modal, and clearly depicts the relationship between youth and auto fatality. Current data indicates that the offering of a driver education course result in a great increase in the number of young licensed drivers without any decrease in the rate of fatal and serious crash involvement. Although such driver's education programs do teach safety skills, students are not motivated to utilize them and they actually foster overconfidence and do not fully consider safety issues.

[0005] The factors that have been researched and proven as the leading contributors to accidents, injuries and fatalities among teens includes lack of driving experience, inadequate driving skills, risk-taking behavior, poor judgment and decision making, distraction and lack of focus. As a result of these factors, a higher proportion of teens are responsible for fatal crashes because of driving errors as evidenced by a larger percentage of crashes of single vehicles, a larger percentage of crashes involving speed, a larger percentage of crashes involving other passengers.

[0006] Based on the foregoing it is believed that a need exists for an improved driver authentication system and method for monitoring and controlling vehicle usage by a high-risk driver. A need also exists for an improved method for identifying and authenticating the driver and programming the vehicle operating parameters that trigger control and driver feedback intervention, as described in greater detail herein.

BRIEF SUMMARY

[0007] The following summary is provided to facilitate an understanding of some of the innovative features unique to the present invention and is not intended to be a full description. A full appreciation of the various aspects of the embodiments disclosed herein can be gained by taking the entire specification, claims, drawings, and abstract as a whole.

[0008] It is, therefore, one aspect of the present invention to provide for an improved driver authentication system and method.

[0009] It is another aspect of the present invention to provide for an improved system and method for monitoring and controlling vehicle usage by high-risk drivers.

[0010] It is further aspect of the present invention to provide for an improved method for identifying and authenticating the driver and programming the vehicle operating parameters that trigger control and driver feedback intervention.

[0011] The aforementioned aspects and other objectives and advantages can now be achieved as described herein. A driver authentication system and method for monitoring and controlling vehicle usage by a high-risk driver (e.g., teen driver, fleet or rental drivers, habitual reckless drivers, etc.) is disclosed. A proprietary and centralized database comprising a software application can be accessed by an authorized user via a network utilizing a remote computer in order to configure a desired operating profile that matches requirements of the high-risk driver. The operating profile can be loaded to a driver identification and data logging device in conjunction with the remote computer. A master control unit can receive a unique identification code from the data logging device to authenticate the high-risk driver and to operate the vehicle within the desired operating profile. A slave control unit receives commands from the master control unit and generates

a real time alarm signal if the driver violates the preprogrammed operating profile unique to the driver.

[0012] The alarm signal generated by the slave control unit can remain until the driver corrects the operating condition and brings the vehicle within the desired operating profile. Also, the system can provide an alarm signal to the authorized user (e.g., parent) utilizing an auto dial feature that communicates the authorized user via a telephone or internet when the driver violates preprogrammed operating profile. The operating parameters can be for example, but not limited to, data concerning maximum allowable vehicle speed, vehicle location, vehicle hours of operating and seat belt usage. The slave control unit can generate the alarm signal via a voice synthesized means, sounding a cabin buzzer, toggling the dome light and/or powering the radio off, etc. The driver identification and data logging device can allow identification of various drivers associated with the vehicle, thereby allowing the vehicle to perform in one way for the intended high-risk drivers, yet another way for the authorized user. The system can include a GPS (Global Positioning System) module to determine and measure parameters such as, time of day, speed and location data associated with the vehicle.

[0013] The driver authentication system can include additional features such as data logging, alarming, operation governance, ease of programmability and can utilize GPS technology to provide high-risk driver safety. The system also provides user awareness that reduce the likelihood of a high-risk driver injury or fatality by helping the high-risk drivers with safe driving habits through immediate and real time feedback and governing. The programmable operating parameters associated with the real time driver feedback can categorize the system as a unique driver safety device. Additionally, the system and method described herein can provide multiple operating profiles for a single vehicle that allows the owners to operate the vehicle without any restrictions yet have restrictions in affect when the vehicle is operated by the high risk driver.

BRIEF DESCRIPTION OF THE DRAWINGS

[0014] The accompanying figures, in which like reference numerals refer to identical or functionally-similar elements throughout the separate views and which are incorporated in and form a part of the specification, further illustrate the present invention and, together with the detailed description of the invention, serve to explain the principles of the present invention.

[0015] FIG. 1 illustrates a graphical representation depicting actual deaths in passenger vehicles by age;

[0016] FIG. 2 illustrates a schematic view of a computer system in which the present invention can be embodied;

[0017] FIG. 3 illustrates a schematic view of a software system including an operating system, application software, and a user interface that can be used for carrying out the present invention;

[0018] FIG. 4 depicts a graphical representation of a network of data processing systems in which aspects of the present invention can be implemented;

[0019] FIG. 5 illustrates a block diagram of a driver authentication system, in accordance with an embodiment;

[0020] FIG. 6 illustrates a schematic block diagram of the driver authentication system for monitoring and controlling vehicle usage, in accordance with an embodiment;

[0021] FIG. 7 illustrates a flow chart of operation illustrating logical operation steps of a

method for monitoring and controlling vehicle usage, in accordance with embodiments; and

[0022] FIG. 8 illustrates a high level flow chart of operation illustrating logical operation steps of a method for monitoring and controlling vehicle usage by a high-risk driver, in accordance with embodiments.

DETAILED DESCRIPTION

[0023] The particular values and configurations discussed in these non-limiting examples can be varied and are cited merely to illustrate at least one embodiment and are not intended to limit the scope thereof.

[0024] FIGS. 2-4 are provided as exemplary diagrams of data processing environments in which embodiments of the present invention may be implemented. It should be appreciated that FIGS. 2-4 are only exemplary and are not intended to assert or imply any limitation with regard to the environments in which aspects or embodiments of the present invention may be implemented. Many modifications to the depicted environments may be made without departing from the spirit and scope of the present invention.

[0025] As depicted in FIG. 2, the present invention may be embodied in the context of a data-processing apparatus 200 comprising a central processor 201, a main memory 202, an input/output controller 203, a keyboard 204, a pointing device 205 (e.g., mouse, track ball, pen device, or the like), a display device 206, and a mass storage 207 (e.g., hard disk). Additional input/output devices, such as wireless communications 208, may be included in the data-processing apparatus 200 as desired. The wireless communications 208 can include cellular, GPS, satellite, etc. As illustrated, the various components of the data-processing apparatus 200 communicate through a system bus 210 or similar architecture.

[0026] FIG. 3 illustrates a computer software system 250 for directing the operation of the data-processing apparatus 200 depicted in FIG. 1. Software system 250, which is stored in main system memory 202 and on disk memory 207, can include a kernel or operating system 280 and a shell or interface 270. One or more application programs, such as software application 260, may be "loaded" (i.e., transferred from mass storage 207 into

the main memory 202) for execution by the data-processing apparatus 200. The data-processing apparatus 200 receives user commands and data through user interface 270; these inputs may then be acted upon by the data-processing apparatus 200 in accordance with instructions from operating module 280 and/or application module 260.

[0027] The interface 270, which is preferably a graphical user interface (GUI), also serves to display results, whereupon the user may supply additional inputs or terminate the session. In one possible embodiment, operating system 280 and interface 270 can be implemented in the context of menu-driven systems. It can be appreciated, of course, that other types of systems are possible. For example, rather than a traditional menu-driven system, other operation systems can also be employed with respect to operating system 280 and interface 270. Software Application Module 260 can be adapted for monitoring and controlling vehicle usage high-risk drivers utilizing an operating profile. Software application module 260 can be adapted for providing a real time alarm signal if the driver violates the operating profile. Software application module 260, on the other hand, can include instructions, such as the various operations described herein with respect to the various components and modules described herein, such as, for example, the method 600 depicted in FIG. 7.

[0028] The following discussion is intended to provide a brief, general description of suitable computing environments in which the method and system may be implemented. Although not required, the method and system will be described in the general context of computer-executable instructions, such as program modules, being executed by a single computer. Generally, program modules include routines, programs, objects, components, data structures, etc., that perform particular tasks or implement particular abstract data types. Moreover, those skilled in the art will appreciate that the method and system may be practiced with other computer system configurations, including hand-held devices, multi-processor systems, microprocessor-based or programmable consumer electronics,

networked PCs, minicomputers, mainframe computers, and the like.

[0029] FIG. 4 depicts a graphical representation of a network of data processing systems 300 in which aspects of the present invention may be implemented. Network data processing system 300 is a network of computers in which embodiments of the present invention may be implemented. Network data processing system 300 contains network 360, which is the medium used to provide communications links between various devices and computers connected together within network data processing apparatus 200. Network 360 may include connections, such as wire, wireless communication links, or fiber optic cables.

[0030] In the depicted example, server 310 and server 320 connect to network 360 along with storage unit 370. In addition, remote clients 330, 340, and 350 connect to network 360. These remote clients 330, 340, and 350 may be, for example, vehicle-based or portable computers. Data-processing apparatus 200 depicted in FIG. 2 can be, for example, a client such as client 330, 340, and/or 350. Alternatively, data-processing apparatus 200 can be implemented as a server, such as servers 320 and/or 310, depending upon design considerations.

[0031] In the depicted example, server 320 provides data, such as operating commands, operating system images, and applications to clients 330, 340, and 350. Remote clients 330, 340, and 350 are clients to server 320 in this example. Network data processing system 300 may include additional servers, clients, and other devices not shown. Specifically, clients may connect to any member of a network of servers which provide equivalent content.

[0032] In the depicted example, network data processing system 300 is the Internet with network 360 representing a worldwide collection of networks and gateways that use the

Transmission Control Protocol/Internet Protocol (TCP/IP) suite of protocols to communicate with one another. At the heart of the Internet is a backbone of high-speed data communication lines between major nodes or host computers, consisting of thousands of commercial, government, educational and other computer systems that route data and messages. Of course, network data processing system 300 also may be implemented as a number of different types of networks, such as for example, cellular, satellite, or other wireless communications means.

[0033] The following description is presented with respect to embodiments of the present invention, which can be embodied in the context of a data-processing system such as data-processing apparatus 200, computer software system 250 and network 360 depicted respectively in FIGS. 2-4. The present invention, however, is not limited to any particular application or any particular environment. Instead, those skilled in the art will find that the system and methods of the present invention may be advantageously applied to a variety of system and application software, including database management systems, word processors, and the like. Moreover, the present invention may be embodied on a variety of different platforms, including Macintosh, UNIX, LINUX, and the like. Therefore, the description of the exemplary embodiments, which follows, is for purposes of illustration and not considered a limitation.

[0034] FIG. 5 illustrates a block diagram of a driver authentication system 450, in accordance with an embodiment. Note that in FIGS. 1-8, identical or similar blocks are generally indicated by identical reference numerals. The driver authentication system 450 can be utilized for monitoring and controlling vehicle usage by high-risk drivers such as driver 410. The high-risk drivers can be, for example, teen drivers, fleet and rental drivers, and habitual wreck less drivers, etc. The authentication system 450 can provide effective training and safety means for the high-risk driver 410 by setting safe operating parameters. The system 450 monitors a vehicle 420 and provide a real time driver corrective feedback

to an authorized vehicle owner 470 of the vehicle 420.

[0035] The system 450 generally includes a master control unit 430 and a slave control unit 440 that can be accessed and programmed via the software application module 260 stored in the proprietary and centralized database 370. Note that as utilized herein, the term "module" may refer to a physical hardware component and/or to a software module. In the computer programming arts, such a software "module" may be implemented as a collection of routines and data structures that performs particular tasks or implements a particular abstract data type. Modules of this type are generally composed of two parts. First, a software module may list the constants, data types, variable, routines, and so forth that can be accessed by other modules or routines. Second, a software module may be configured as an implementation, which can be private (i.e., accessible only to the module), and which contains the source code that actually implements the routines or subroutines upon which the module is based.

[0036] Therefore, when referring to a "module" herein, the inventors are generally referring to such software modules or implementations thereof. The methodology described herein can be implemented as a series of such modules or as a single software module. Such modules can be utilized separately or together to form a program product that can be implemented through signal-bearing media, including transmission media and recordable media. The present invention is capable of being distributed as a program product in a variety of forms, which apply equally regardless of the particular type of signal-bearing media utilized to carry out the distribution.

[0037] Examples of signal-bearing media can include, for example, recordable-type media, such as floppy disks, hard disk drives, CD ROMs, CD-Rs, etc., and transmission media, such as signals transmitted over digital and/or analog communication links. Examples of transmission media can also include devices such as modems, which permit

information to be transmitted over standard cellular communications and/or the more advanced wireless data communications.

[0038] The proprietary and centralized database 370 including the software application 260 can be accessed via a remote computer 465 and the network 360. Note that the remote computer 465 can be a data processing apparatus 200 depicted in FIG. 2. The authorized vehicle owner 470 can access the software application 260 over a data network 360, via the remote computer 465 in order to program a desired operating profile 435 representing various operating parameters associated with the vehicle 420. Note that the operating parameters can be for example, but not limited to, data concerning maximum allowable vehicle speed, vehicle locations, vehicle hours of operation and seat belt usage associated with the vehicle 420. The system 450 can also track various other features such as for example, data concerning hard braking and fast cornering, etc. Note that these features are not viewed as a key risk factor and therefore can be offered as additional features to the basic operating parameters of the driver authentication system 450.

[0039] The authorized vehicle owner 470 can be for example, but not limited to a parent of a teen, a fleet manager or operator and a judicial authority, etc. The operating profile 435 programmed by the owner 470 can include a set of driving rules and conditions that best fit the requirements of the intended high-risk driver 410 within the vehicle 420. Further, the operating profile 435 can be loaded to a driver identification and data logging device 425. The driver identification and data logging device 425 can be a USB compatible device such as for example, iButton, radio frequency identification device (RFID), etc., that can be utilized in conjunction with the remote computer 465 in order to load the operating profile 235 into the master control unit 430. The driver identification and data logging device 225 can allow identification of various drivers 410 associated with the vehicle 420, thereby allowing the vehicle 420 to perform one way for the intended high-risk driver 410, yet another way for the authorized vehicle owner 470.

[0040] The data logging device 425 can be connected to the remote computer 465 and the operating profile 435 can be stored. Once the required information is copied into the data logging device 425, the device 425 can be disconnected from the remote computer 465 and can be placed on a driver key ring (not shown). The master control unit 430 can authenticate the driver 410 utilizing a unique identification code 415 provided by the driver identification and data logging device 425. Further, the master control unit 430 can enable vehicle operation within the programmed operating profile 435. If the driver 410 violates the preprogrammed operating profile 435 the master control unit 430 can communicate with the slave control unit 440 and generate a real time driver alarm signal 445. The alarm signal 445 can result in an actual audible alarm, or it can be used to control/govern operational aspects of the vehicle. For example, the real time driver alarm signal 445 can be used to communicate conditions to the driver, limit/ disable radio functionality, govern mechanical operations (e.g., lower/limit speed), remotely contact vehicle owners/fleet managers, and other electrical or mechanical functions, while maintaining driver and occupant safety.

[0041] The driver alarm signal 445 generated by the slave control unit 440 can remain until the driver 410 corrects the operating conditions and brings the vehicle 420 within the programmed operating profile 435. The slave control unit 440 can generate the driver alarm signal 445 via a voice synthesized means, sounding a cabin buzzer, toggling the dome light and/or cutting the radio off, etc. Also, the system 450 can provide an owner alarm signal 460 that remotely alerts the authorized vehicle owner 470 regarding violation of the programmed operating profile 435. The owner alarm signal 460 can be an auto dial feature that communicates the authorized owner 470 via a cellular or data network.

[0042] FIG. 6 illustrates a schematic block diagram of the driver authentication system 450, in accordance with an embodiment. The master control unit 430 can authenticate the driver 410 utilizing the unique identification code 415 provided by the data logging device

425. The data logging device 425 associated with the master control unit 430 can be collectively called as 'brain' of the driver authentication system 450. The master control unit 430 can be installed in the vehicle 420 in a suitable place where the master control unit 430 can be directly exposed to the driver from a dash board of the vehicle 420.

[0043] The master control unit 430 can be configured to include driver identification and validation module 502, a GPS antenna processing module 504, a master micro controller and processor 506, a memory module 508 and a function indicator module 510. The driver identification and validation module 502 can be utilized to authenticate the driver 410 utilizing the unique identification code 415 and enable the vehicle operation. The master control unit 430 can interpret driver authorization, and ascertain the vehicle speed. The master control unit 430 also interprets the location and time of day parameters versus maximum desired threshold limits.

[0044] The GPS antenna processing module 504 can be utilized to determine and measure time of day, speed and location data of the vehicle 420. The GPS antenna processing module 504 provides location information associated with the vehicle 420 to the authorized vehicle owner 470 hence the system 450 is compatible for any vehicle for monitoring and controlling the high-risk driver 410. The master microcontroller/processor 506 can process and control the operations associated with the master control unit 430. The memory module 508 associated with the master control unit 430 can be utilized to store the driver authentication 415 and operating profile 435 associated with the driver 410. The memory module 508 can further provide information for proper operation of the vehicle 420. The function indicator module 510 can monitor various functions in association with the vehicle 420 such for example, power, fault detection and monitoring, and other functions.

[0045] The master control unit 430 can communicate and send commands to the slave

control unit 440 associated with the driver authentication system 450. The slave control unit 440 can include a power generator 530, a slave micro controller and processor 528, a starter relay 526, a definable relay 524, and an alarm synthesizer 522. The slave control unit 440 can be mounted under the dash board of the vehicle 420. The slave control unit 440 can receive wireless commands from master control unit 430 and generates the alarm signal 445 and 460. The slave control unit 440 can include pins such as a dirty 12 VDC pin 532, a dirty ground pin 534, a starter in pin 536, a starter out pin 538, seat belt sensor pin 540, a breathalyzer pin 542, a definable input pin on dash slave control unit 440.

[0046] The power regulator 530 can be utilized to regulate a power source and operate the system 450 via the dirty 12 VDC pin 532 and the dirty ground pin 534. The starter relay 526 can be an electromechanical device that is operated by an electrical current that is provided by the starter in pin 536. The starter relay 526 can be enabled by a starter enable signal 518 from the master control unit 430 when the driver 410 is authenticated. The starter relay 426 can generate an output via a starter out pin 538 that can be a mechanical function utilized to operate the vehicle 420. The seat belt sensor pin 540 can be externally connected to a seat belt sensor associated with the vehicle 420 where it obtains the information regarding usage of seat belt by the driver 410.

[0047] The breathalyzer 542 in pin 524 can provide status regarding alcohol consumption of the driver 410 while driving the vehicle 420. The slave microcontroller/ processor 528 can process and control the operations of the slave control unit 440. The alarm/speaker/voice synthesizer 522 can receive the alarm enable signal 516 from the master control unit 430 and generate the owner programmed driver alarm signal 445 in the vehicle 420 when the driver 410 violates the programmed parameters. Further, the master control unit 430 and the slave control unit 440 can be communicated via various communication signal lines such as a clean power signal 520, an alarm enable signal 516, internal definable input signal 514 and an internal definable output signal 512.

[0048] FIG. 7 illustrates a flow chart of operation illustrating logical operation steps of a method 600 for monitoring and controlling vehicle usage, in accordance with an embodiment. The software application module 260 with operating parameters associated with the vehicle 420 can be configured and stored in the proprietary and centralized database 370, as depicted at block 610. The driver specific operating profile 435 for the high-risk driver 410 can be programmed by accessing the software application 260 via the remote computer 465, as indicated at block 620. Note that the software application 260 can include programming software that can be utilized to program the features of the driver authentication system 450. The software application module 260 monitors various parameters such as the 'trigger' levels for speed, and time of operation, etc. The software application module 260 can be accessible by the authorized owners 470 and can also be utilized to download the actual data logged during the operation of the vehicle 420. Further, the software application 260 can also be intuitive for the customer through the process of selecting parameters, trigger thresholds, etc.

[0049] The operating profile 435 for the driver 410 can be loaded to the driver identification and data logging device 425, as illustrated at block 630. The master control unit 430 can authenticate and validate the driver 410 utilizing the unique identification code 415 provided by the driver identification and data logging device 425, as indicated at block 640. The operating profile 435 for the driver 410 can be transferred to the master control unit 430, as shown at block 650. The master control unit 430 monitors and logs vehicle performance via the GPS module 504 associated with master control unit 430, as depicted at block 660. The slave control unit 440 generates the driver alarm signal 445, if the driver 410 violates the programmed operating profile 435, as illustrated at block 670.

[0050] FIG. 8 illustrates a high level flow chart of operation illustrating a method 700 for monitoring and controlling vehicle usage by the high-risk driver 410, in accordance with an

embodiment. Again as reminder, in FIGS. 1-8, identical or similar blocks are generally indicated by identical reference numerals. The operating profile 435 for the high-risk driver 410 can be programmed by accessing the software application 260 via the remote computer 465, as depicted at block 710. The programmed operating profile 435 for the high-risk driver 410 can be transferred into the driver identification and data logging device 425, as illustrated at block 720.

[0051] The driver 410 can be authenticated utilizing the unique identification code 415 provided by the driver identification and data logging device 425 and the programmed operating profile 435 for the driver 410 can be copied into the driver authentication system 450, as depicted at block 730. A determination can be made whether the driver 410 violates the operating profile 435, as illustrated at block 740. If the driver violates the operating profile 435, as shown at block 750, the driver alarm 445 signal can be generated by the driver authentication system 450, as depicted at block 755. Otherwise, the process can be continued to block 740.

[0052] The driver authentication system includes features such as data logging, alarming, operation governance, ease of programmability and utilizes GPS technology to provide high-risk driver safety. The system provides user awareness that reduce the likelihood of a high-risk driver injury or fatality by helping the high-risk drivers with safe driving habits through immediate and real time feedback and governing. The programmable operating parameters associated with the real time driver feedback can categorize the system as unique driver safety device. Additionally, the system and method described herein can provide multiple operating profiles for a single vehicle that allows the owners to operate the vehicle without any restrictions yet have restrictions in affect when the vehicle is operated by the high risk driver.

[0053] It will be appreciated that variations of the above-disclosed and other features and

functions, or alternatives thereof, may be desirably combined into many other different systems or applications. Also that various presently unforeseen or unanticipated alternatives, modifications, variations or improvements therein may be subsequently made by those skilled in the art which are also intended to be encompassed by the following claims.

CLAIMS

What is claimed is:

1. A driver authentication and monitoring system, comprising:

a master control unit operating in a motor vehicle for authenticating at least one driver via a driver identification interface, wherein the master control unit receives a unique identification code to permit the at least one driver to operate the vehicle within an operating profile associated with the at least one driver and accessible by the master control unit; and

a slave control unit installed in the motor vehicle and coupled to at least one computer associated with the motor vehicle, said slave control unit in communication with said master control unit and configured to monitor operation of the motor vehicle and generate a signal to the master control unit if the at least one driver violates the operating profile thereby providing feedback to the master control unit about usage of the vehicle, and wherein the slave control unit cooperates with the at least one computer to control operation of the vehicle based on commands received from the master control unit.

2. The driver authentication and monitoring system of claim 1, further comprising a database comprising a program module including at least one operating parameter associated with a vehicle, the program module remotely accessible by an authorized user to program an operating profile with respect to at least one driver, the program module accessed by the authorized user via a network utilizing a remote computer.

3. The driver authentication and monitoring system of claim 2, wherein the driver identification interface in conjunction with a remote computer loads the operating profile in the mater control unit for the at least one driver.

4. The driver authentication and monitoring system of claim 1, further comprising:

a GPS module; a memory module; and a function indicator module.

5. The driver authentication and monitoring system of claim 4, wherein the operating profile is loaded into the memory module for enabling controlled operation of the vehicle when the at least one driver is authenticated.

6. The driver authentication and monitoring system of claim 4, wherein the GPS module provides location information to at least the master control unit in association with a physical location of the vehicle.

7. The driver authentication and monitoring system of claim 1, wherein the slave control unit further comprises a power regulator module; a starter relay module; a definable relay module; a slave microcontroller; and an alarm synthesizer.

8. The driver authentication and monitoring system of claim 2, wherein the at least one operating parameter comprises at least one of: a maximum allowable vehicle speed; an allowable vehicle location; allowable hours of operation; and seatbelt usage.

9. The driver authentication and monitoring system of claim 1, wherein the slave control unit generates an alarm signal for alerting said authorized user when the at least one driver violates the operating profile.

10. The driver authentication and monitoring system of claim 1, wherein the driver identification interface comprises at least one of:

a portable handheld device;

a radio frequency identification device; and

a USB compatible device.

11. A driver authentication and monitoring system, comprising:

a master control unit in a motor vehicle for authenticating at least one driver via driver identification and associating an operating profile with the at least one driver;

a GPS module providing at least location and speed information in association with movement of the motor vehicle;

a data logging device recording vehicle operation data associated with use of the motor vehicle by the at least one driver including location and speed information from the GPS module; and

a slave control unit installed in the motor vehicle and coupled to at least one computer associated with the motor vehicle, said slave control unit in communication with said master control unit and configured to monitor operation of the motor vehicle and generate a signal to the master control unit if the at least one driver violates the operating profile thereby providing feedback to the master control unit about usage of the vehicle, and wherein the slave control unit cooperates with the at least one computer to control operation of the vehicle based on commands received from the master control unit;

wherein the master control unit permits the at least one driver to operate the vehicle within an operating profile if the master control unit receives at least one of a unique identification code to permit the at least one driver to operate the vehicle within an operating profile and the at least one driver has not violated the operating profile.

12. The driver authentication and monitoring system of claim 11, wherein the slave control unit further comprises a power regulator module; a starter relay module; a definable relay module; a slave microcontroller; and an alarm synthesizer.

13. The driver authentication and monitoring system of claim 11, wherein the operating profile comprises at least one operating parameter including at least one of: a maximum allowable vehicle speed; an allowable vehicle location; allowable hours of operation; and seatbelt usage.

14. The driver authentication and monitoring system of claim 11, wherein the slave control unit generates an alarm signal for remotely alerting the authorized user when the at least one driver violates said operating profile.

15. A method of authenticating and monitoring drivers, comprising:

providing a motor vehicle with a driver authentication and monitoring system;

programming the driver authentication and monitoring system with an operating profile associated with a high risk driver;

authenticating the high risk driver and enable operation of the motor vehicle within limits of the operating profile by monitoring operation of the motor vehicle to determine if the high profile driver is violating the operating profile;

generating a signal if said high profile driver violates the operating profile while operating the motor vehicle; and

governing mechanical operations of the vehicle remotely if the high profile driver violates the operating profile.

16. The method of authenticating and monitoring drivers in claim 15, wherein the motor vehicle includes a GPS module and the monitoring operation of the motor vehicle further comprises obtaining GPS data including motor vehicle speed and location.

17. The method of authenticating and monitoring drivers in claim 15, wherein the step of generating a signal includes providing an audible alarm to the driver and a signal remotely to an authorized user.

18. The method of authenticating and monitoring drivers in claim 16, wherein the step of generating a signal includes providing an alarm remotely to an authorized user.

19. The method of authenticating and monitoring drivers in claim 15, wherein the step of generating an alarm signal includes providing a control signal that limits functionality within the motor vehicle.

20. The method of authenticating and monitoring drivers in claim 16, wherein the step of generating a signal includes providing a control signal that limits functionality of the motor vehicle.

ABSTRACT

A driver authentication and safety system and method for monitoring and controlling vehicle usage by high-risk drivers. A centralized database comprising a software application can be accessed by an authorized user via a data communications network utilizing a remote computer in order to configure a desired operating profile that matches requirements of the high-risk driver. The operating profile can be loaded to a driver identification and data logging device in conjunction with the remote computer. A master control unit receives a unique identification code from the data logging device to authenticate the high-risk driver and to operate the vehicle within the desired operating profile. A slave control unit receives commands from the master control unit and generates a real time alarm signal if the driver violates the preprogrammed operating profile unique to the driver.

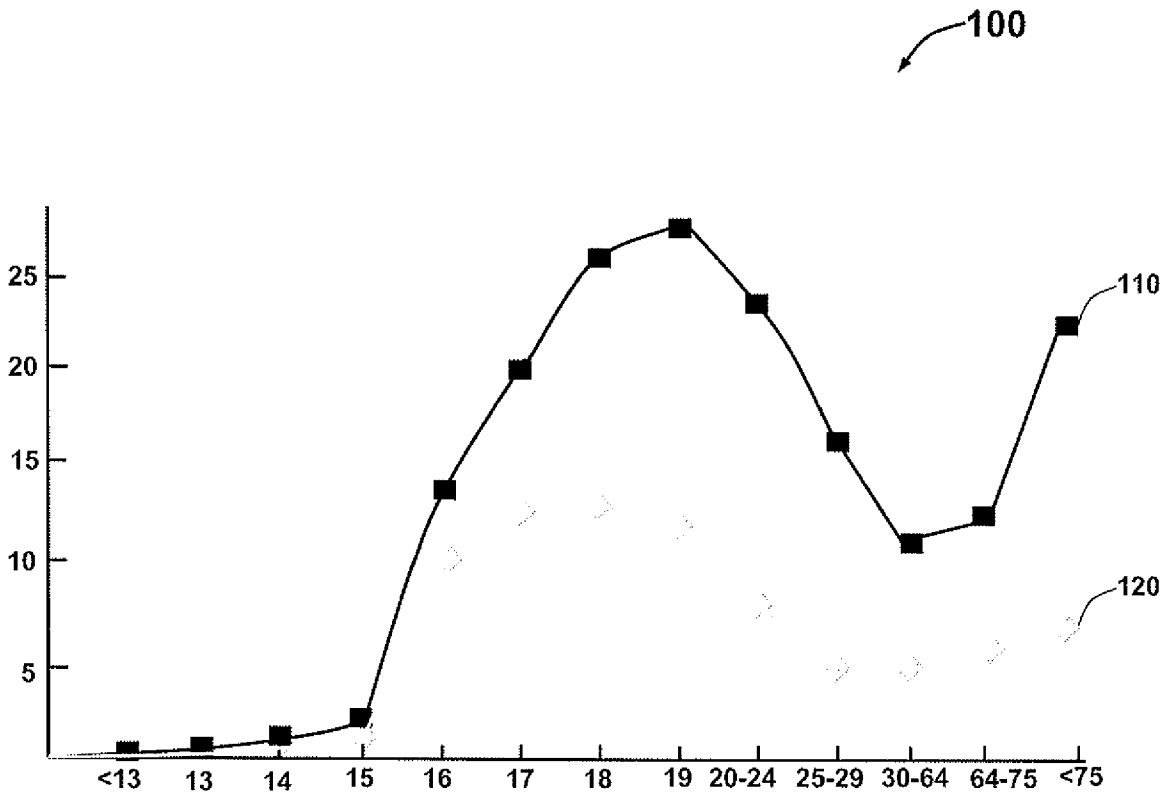
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FIG. 1

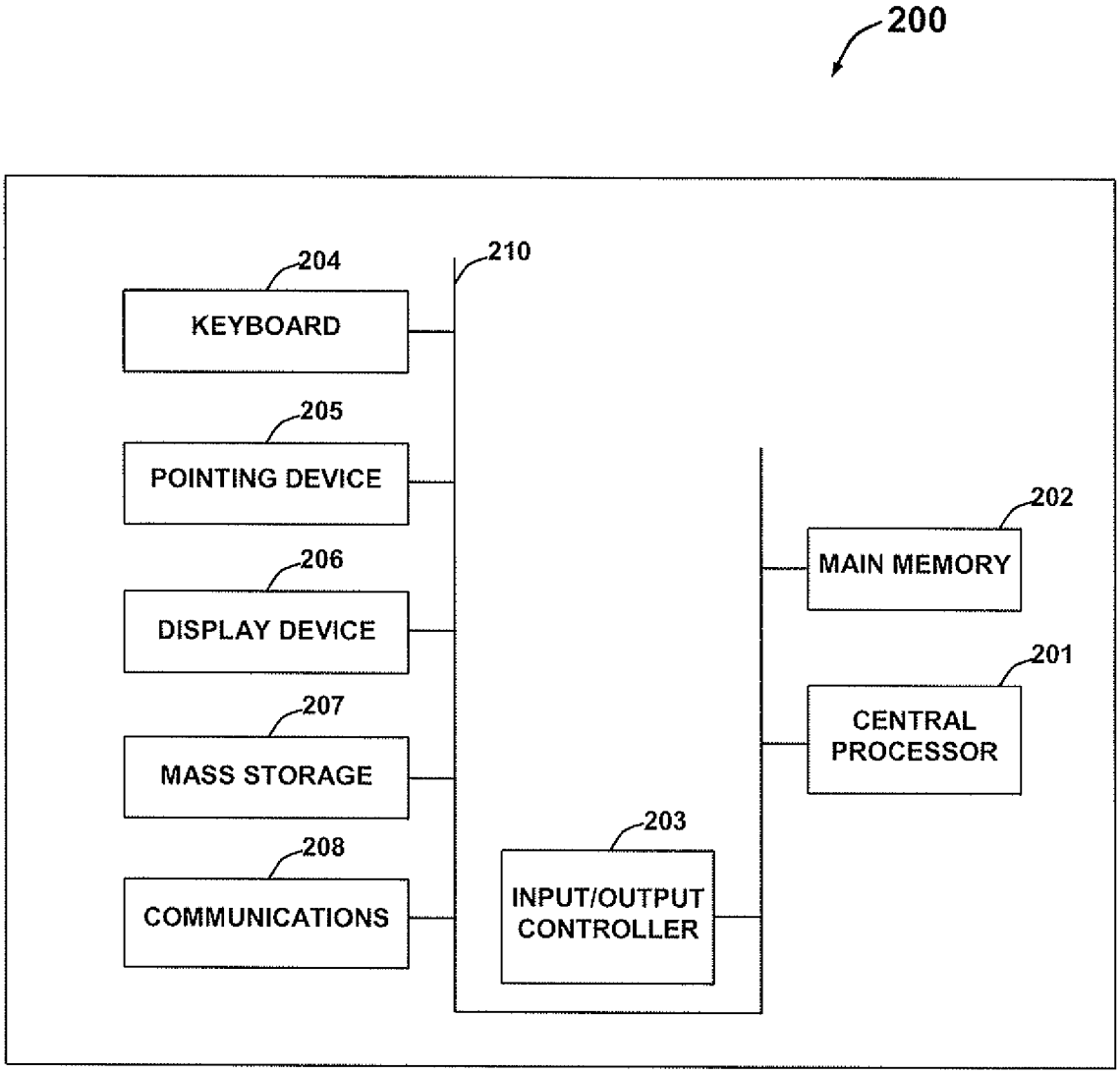
200
204
KEYBOARD
205
POINTING DEVICE
206
DISPLAY DEVICE
207
MASS STORAGE
208
COMMUNICATIONS
210
203
INPUT/OUTPUT CONTROLLER
202
MAIN MEMORY
201
CENTRAL PROCESSOR

FIG. 2

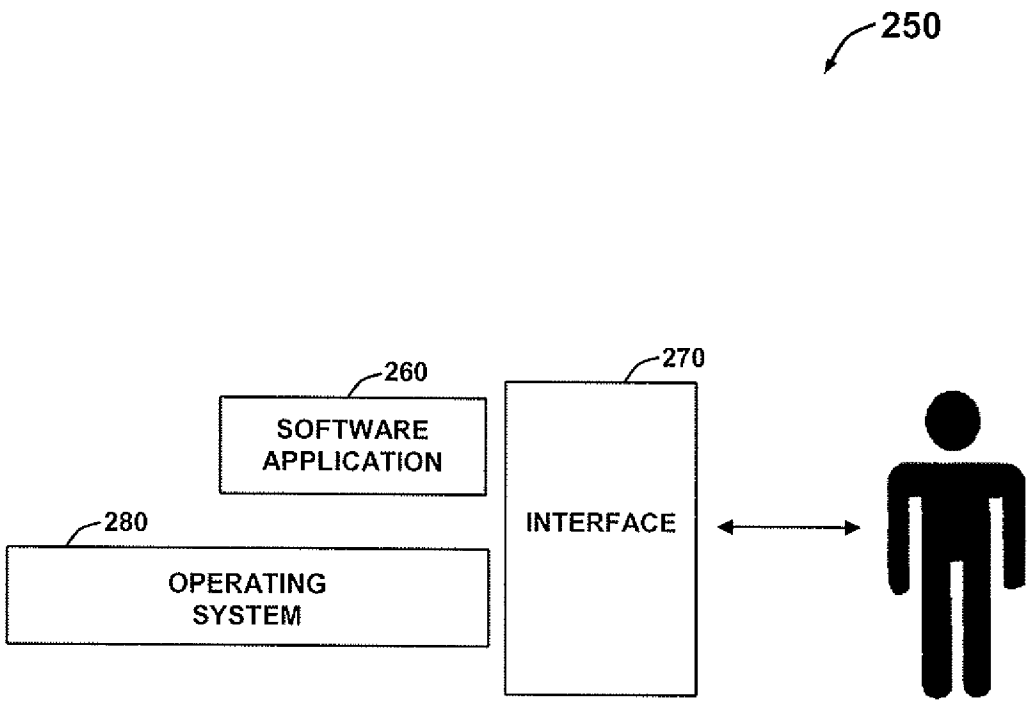
250
260
SOFTWARE APPLICATION
270
INTERFACE
280
OPERATING SYSTEM

FIG. 3

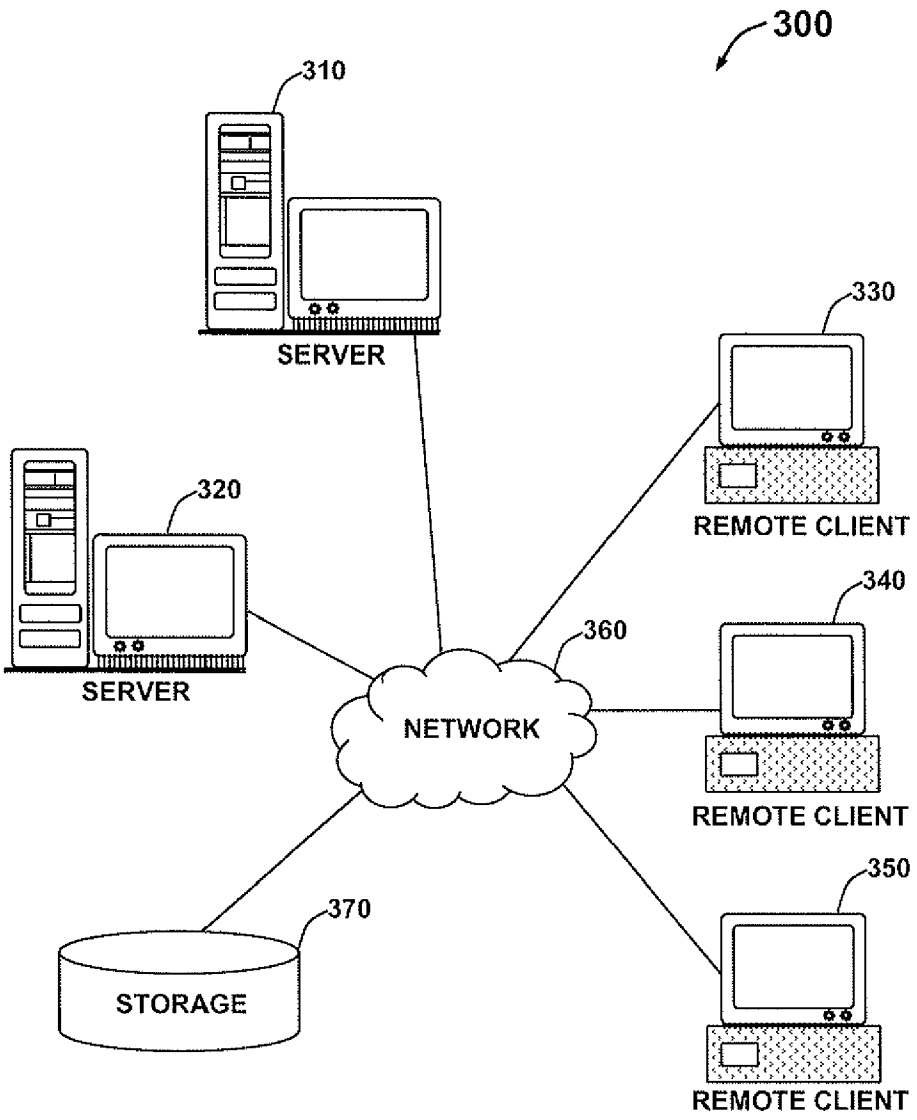
300
310
SERVER
330
REMOTE CLIENT
320
SERVER
340
360
NETWORK
REMOTE CLIENT
350
370
STORAGE
REMOTE CLIENT

FIG. 4

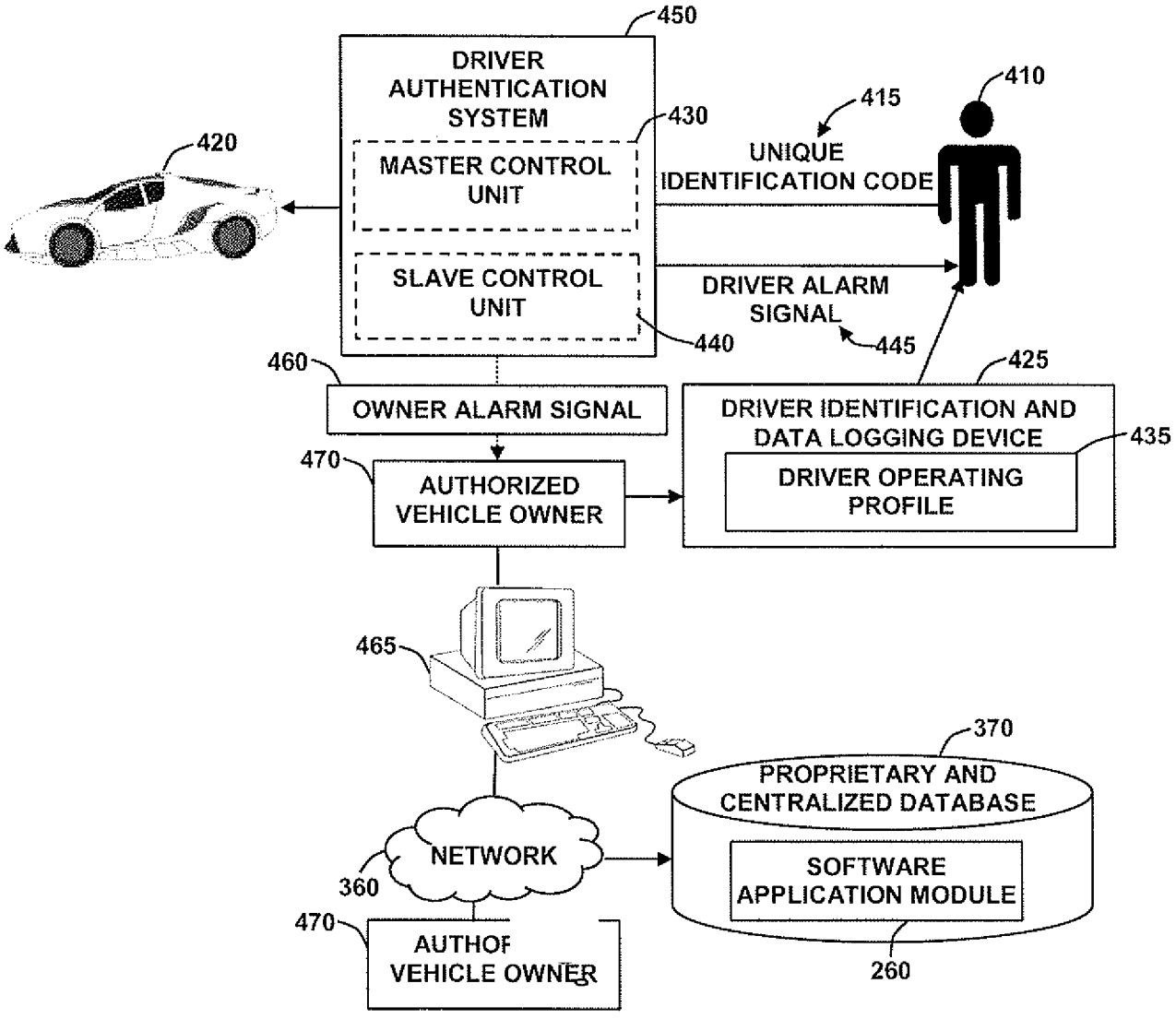
450
DRIVER AUTHENTICATION SYSTEM
430
MASTER CONTROL UNIT
SLAVE CONTROL UNIT
440
420
415
UNIQUE IDENTIFICATION CODE
410
DRIVER ALARM SIGNAL
445
460
OWNER ALARM SIGNAL
425
DRIVER IDENTIFICATION AND DATA LOGGING DEVICE
435
DRIVER OPERATING PROFILE
470
AUTHORIZED VEHICLE OWNER
465
370
PROPRIETARY AND CENTRALIZED DATABASE
SOFTWARE APPLICATION MODULE
260
NETWORK
360
470
AUTHOF
VEHICLE OWNER

FIG. 5

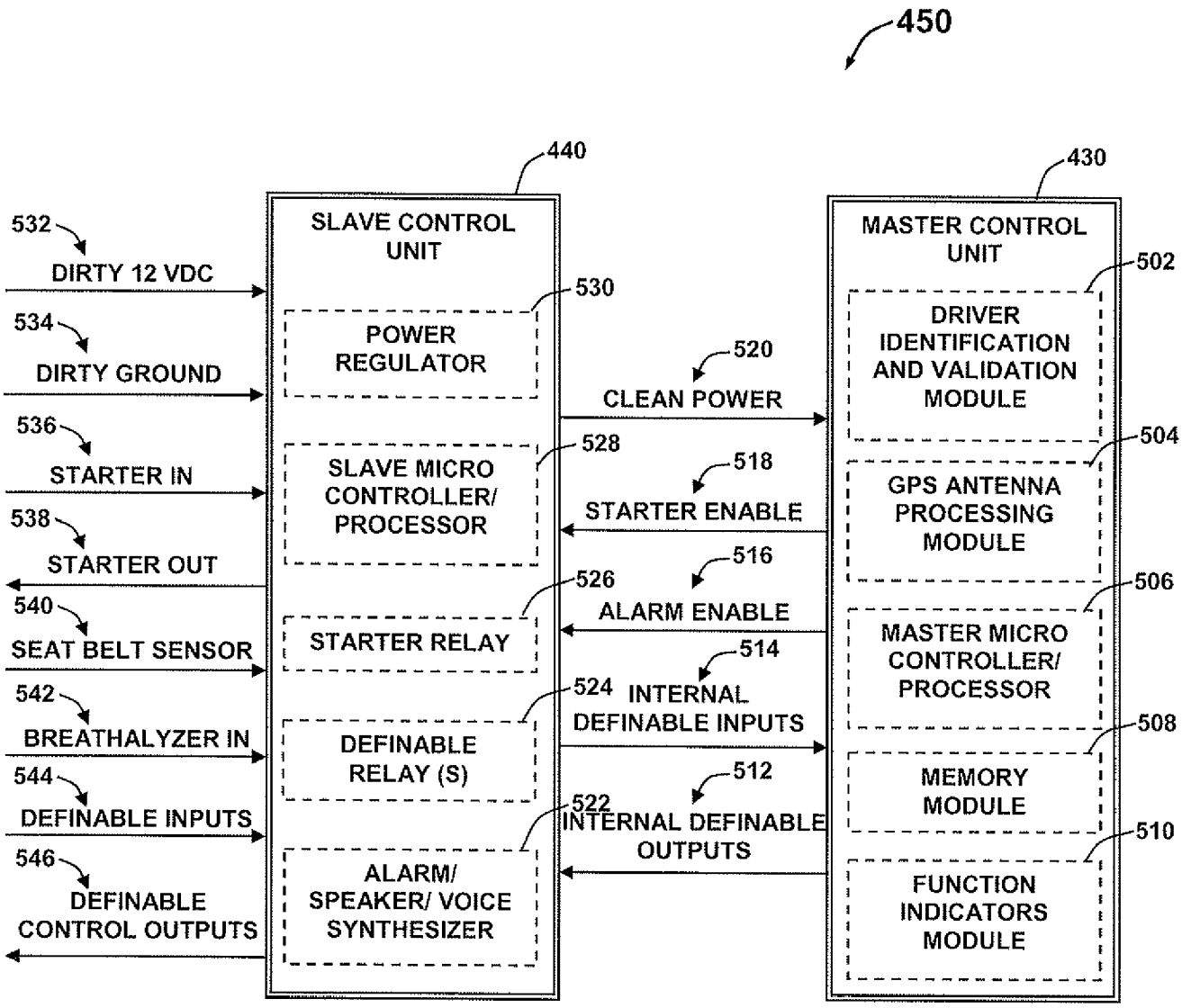
450
440
SLAVE CONTROL UNIT
430
MASTER CONTROL UNIT
532
DIRTY 12 VDC
534
DIRTY GROUND
536
STARTER IN
538
STARTER OUT
540
SEAT BELT SENSOR
542
BREATHALYZER IN
544
DEFINABLE INPUTS
546
DEFINABLE CONTROL OUTPUTS
530
POWER REGULATOR
528
SLAVE MICRO CONTROLLER/ PROCESSOR
526
STARTER RELAY
524
DEFINABLE RELAY (S)
522
ALARM/ SPEAKER/ VOICE SYNTHESIZER
520
CLEAN POWER
518
STARTER ENABLE
516
ALARM ENABLE
514
INTERNAL DEFINABLE INPUTS
512
INTERNAL DEFINABLE OUTPUTS
502
DRIVER IDENTIFICATION AND VALIDATION MODULE
504
GPS ANTENNA PROCESSING MODULE
506
MASTER MICRO CONTROLLER/ PROCESSOR
508
MEMORY MODULE
510
FUNCTION INDICATORS MODULE

FIG. 6

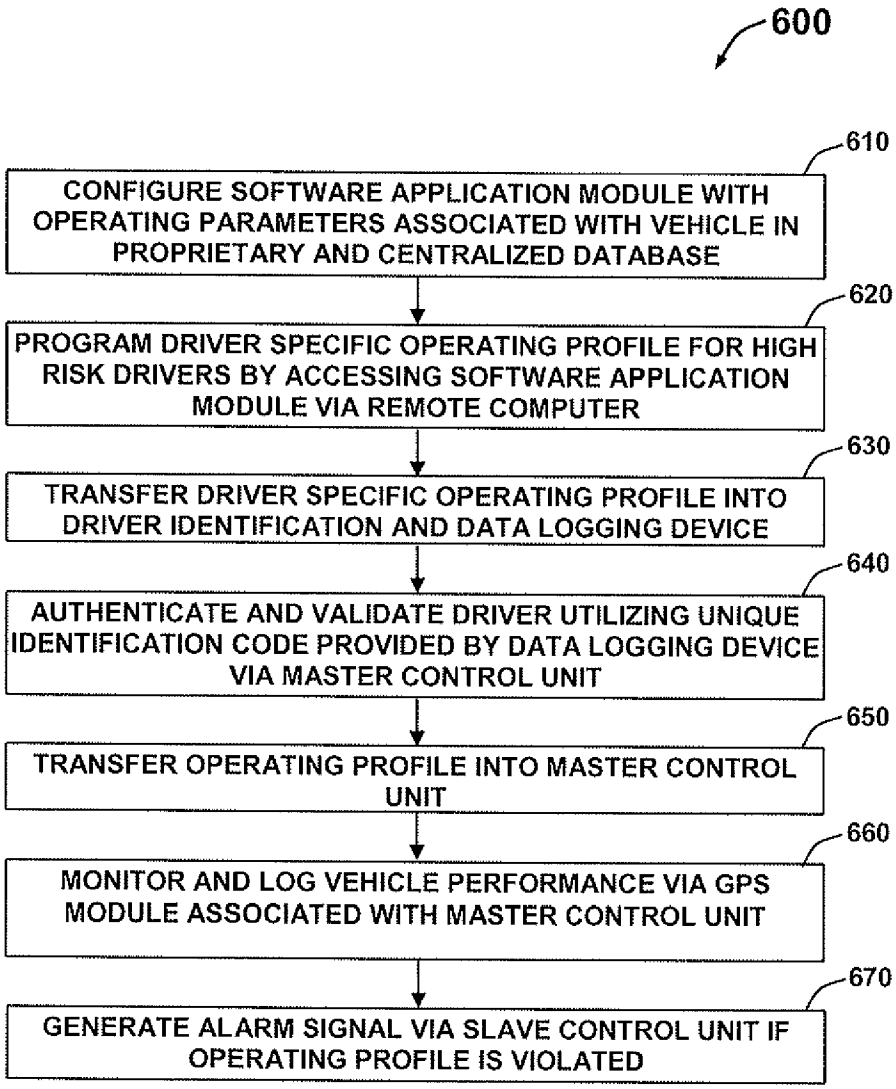
600
610
CONFIGURE SOFTWARE APPLICATION MODULE WITH OPERATING PARAMETERS ASSOCIATED WITH VEHICLE IN PROPRIETARY AND CENTRALIZED DATABASE
620
PROGRAM DRIVER SPECIFIC OPERATING PROFILE FOR HIGH RISK DRIVERS BY ACCESSING SOFTWARE APPLICATION MODULE VIA REMOTE COMPUTER
630
TRANSFER DRIVER SPECIFIC OPERATING PROFILE INTO DRIVER IDENTIFICATION AND DATA LOGGING DEVICE
640
AUTHENTICATE AND VALIDATE DRIVER UTILIZING UNIQUE IDENTIFICATION CODE PROVIDED BY DATA LOGGING DEVICE VIA MASTER CONTROL UNIT
650
TRANSFER OPERATING PROFILE INTO MASTER CONTROL UNIT
660
MONITOR AND LOG VEHICLE PERFORMANCE VIA GPS MODULE ASSOCIATED WITH MASTER CONTROL UNIT
670
GENERATE ALARM SIGNAL VIA SLAVE CONTROL UNIT IF OPERATING PROFILE IS VIOLATED

FIG. 7

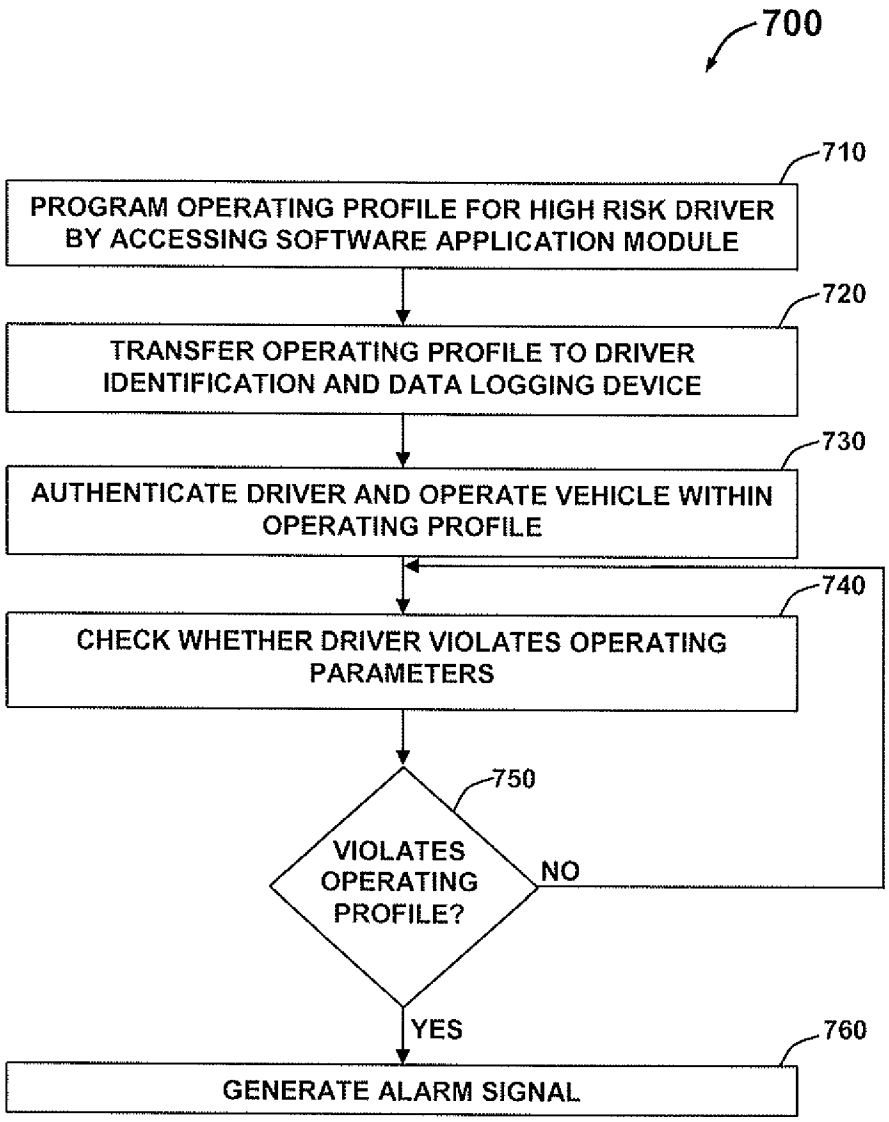
700
710
PROGRAM OPERATING PROFILE FOR HIGH RISK DRIVER BY ACCESSING SOFTWARE APPLICATION MODULE
720
TRANSFER OPERATING PROFILE TO DRIVER IDENTIFICATION AND DATA LOGGING DEVICE
730
AUTHENTICATE DRIVER AND OPERATE VEHICLE WITHIN OPERATING PROFILE
740
CHECK WHETHER DRIVER VIOLATES OPERATING PARAMETERS
750
VIOLATES OPERATING PROFILE?
NO
YES
760
GENERATE ALARM SIGNAL

FIG. 8

Electronic Acknowledgement Receipt

EFS ID:	22347571
Application Number:	14712124
International Application Number:	
Confirmation Number:	1048
Title of Invention:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
First Named Inventor/Applicant Name:	Michael Phelan
Customer Number:	64064
Filer:	Luis Melisendro Ortiz/Kemlyn Evans
Filer Authorized By:	Luis Melisendro Ortiz
Attorney Docket Number:	1000-1796-C2
Receipt Date:	14-MAY-2015
Filing Date:	
Time Stamp:	14:07:45
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal of New Application	1000-1796-C2_Transmittal.pdf	647025 b5ffb9c857cff0390758ff8a2400481d3da750c7	no	2

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2	Certification of Micro Entity (Gross Income Basis)	sb0015a.pdf	488647 25fa1c3d68c5d9c7aa09caa98a1862193e9ecbc9	no	1
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Information:					
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Multipart Description/PDF files in .zip description

Document Description	Start	End
Specification	1	18
Claims	19	23
Abstract	24	24

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6	Drawings-only black and white line drawings	drawings.pdf	166289 ccfee63f753ac73fcca42dd7abec1a4a973f15a4	no	8
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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.