

UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No.:	1000-1796 CIP	Total Pages:	26
	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.	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: 26) 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. <u>DELETION OF INVENTOR(S)</u> 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 (when there is an assignee) ☒ Power of Attorney 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 filed in prior application, Status still proper and desired 15. ☐ Certified Copy of Priority Document(s) (If foreign priority is claimed) 16. ☐ Other:	

17. ☒ **CROSS-REFERENCE TO PATENT APPLICATION:** The present application is a continuation in part of nonprovisional patent 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 and Lopez, PLLC				
ADDRESS	P.O. Box 4484				
CITY	Albuquerque	STATE	New Mexico	ZIP CODE	87196
COUNTRY	U.S.A.	TELEPHONE	505-314-1310	FAX	505-314-1307

19. ☒ The filing fee is calculated below:

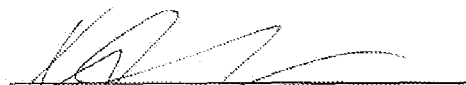
CLAIMS AS FILED, LESS ANY CLAIMS CANCELED BY ABOVE-INDICATED AMENDMENT(S)				
(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
TOTAL CLAIMS (37 CFR 1.16(c))	18 - 20 =	0	x \$ 20	= \$0.00
INDEPENDENT CLAIMS (37 CFR 1.16(b))	1 - 3 =	0	x \$105	= \$0.00
MULTIPLE DEPENDENT CLAIMS (IF APPLICABLE) (37 CFR 1.16(d))		ANY -- 0	\$195	= \$ 0.00
BASIC FILING FEE				140.00
UTILITY SEARCH FEE				300.00
UTILITY EXAMINATION FEE				360.00
TOTAL				= \$ 730.00

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

- a. ☐ The power of attorney appears in the original papers of the enclosed prior application.
b. ☐ Enclosed is a copy of the declaration and power of attorney from the enclosed prior application.
c. ☒ A new declaration with power of attorney is enclosed.

Respectfully submitted,



Kevin Soules
Signature per 37 CFR 1.33 & 34
Date: August 20, 2014
Registration No. 66033
Telephone (505) 314-1310

Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
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/Yvonne Lopez		
Attorney Docket Number:		1000-1796 CIP		
Filed as Small Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	70	70
Utility Search Fee	2111	1	300	300
Utility Examination Fee	2311	1	360	360
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				730

Electronic Acknowledgement Receipt	
EFS ID:	19916989
Application Number:	14464188
International Application Number:	
Confirmation Number:	1058
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/Yvonne Lopez
Filer Authorized By:	Kevin Lee Soules
Attorney Docket Number:	1000-1796 CIP
Receipt Date:	20-AUG-2014
Filing Date:	
Time Stamp:	15:39:31
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$730
RAM confirmation Number	1911
Deposit Account	
Authorized User	

File Listing:

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

1	Oath or Declaration filed	1000-1796-CIP_Phelan_Declaration.pdf	1022472 0c2079be69c47349460a288052c176c1c7012c7e	no	2
Warnings:					
Information:					
2	Transmittal Letter	1000-1796-CIP_IDS.pdf	1325376 07cf95b888720fa2d1caa98da93db954a8457: 17	no	4
Warnings:					
Information:					
3	Application Data Sheet	1000-1796-CIP_ADS.pdf	2643193 5e0edf0dbfac9c657103aac82109d1e58f631642	no	6
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
4		1000-1796-CIP_Appl.pdf	107301 06aab7e5ac318ae73118645d55e0beb9589595a3	yes	26
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	21	
	Claims		22	25	
	Abstract		26	26	
Warnings:					
Information:					
5	Drawings-only black and white line drawings	1000-1796-CIP_Figs.pdf	170159 1590bf7f84c93c82f348f94f5744c538fa8aec9	no	8
Warnings:					
Information:					
6	Transmittal of New Application	1000-1796-CIP_Transmittal.pdf	720029 85a988295c9977f3bb3f6251d0d1f70a303a3c6d	no	2
Warnings:					
Information:					
7	Fee Worksheet (SB06)	fee-info.pdf	33133 09247bcb3e514a890f9973040cd5899bed3b3942	no	2
Warnings:					
Information:					

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

New Applications Under 35 U.S.C. 111

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

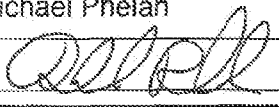
National Stage of an International Application under 35 U.S.C. 371

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

New International Application Filed with the USPTO as a Receiving Office

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

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

Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
As the below named inventor, I hereby declare that: This declaration is directed to: ☒ The attached application, or ☐ United States application or PCT international application number _____ filed on _____ The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. WARNING: Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. LEGAL NAME OF INVENTOR Inventor: <u>Michael Phelan</u> Date (Optional): <u>AUGUST 7, 2014</u> Signature:  Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.	

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1 800-PTO-9139 and select option 2.

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.

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))					Docket No. 1000-1796 CIP	
In Re Application Of: Michael Phelan						
Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.	
TBD	TBD	TBD	64064	TBD	TBD	
Title: DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE						
Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 37 CFR 1.97(b) 1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114. 37 CFR 1.97(c) 2. ☐ The information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of: ☐ the statement specified in 37 CFR 1.97(e); OR ☐ the fee set forth in 37 CFR 1.17(p).						

P10A/REV06

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
1000-1796 CIP

In Re Application of: **Michael Phelan**

Application No. TBD	Filing Date TBD	Examiner TBD	Customer No. 64064	Group Art Unit TBD	Confirmation No. TBD
-------------------------------	---------------------------	------------------------	------------------------------	------------------------------	--------------------------------

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

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☐ The Director is hereby authorized to charge and credit Deposit Account No. _____ as described below.
- ☐ Charge the amount of _____
- ☐ Credit any overpayment.
- ☐ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

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.

Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fa

(Date)

Signature

Typed or Printed Name of Person Signing Certificate

Certificate of Mailing by First Class Mail

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on

(Date)

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Certificate

*This certificate may only be used if paying by deposit account.


Signature

Dated: **August 20, 2014**

cc:

P:\OAR\CV06

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE AS MANY SHEETS AS NECESSARY) <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 20%;">Sheet</td> <td style="width: 20%; text-align: center;">1</td> <td style="width: 20%; text-align: center;">Of</td> <td style="width: 20%; text-align: center;">1</td> </tr> </table>	Sheet	1	Of	1	COMPLETE IF KNOWN <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Application Number</td> <td>TBD</td> </tr> <tr> <td>Filing Date</td> <td>TBD</td> </tr> <tr> <td>First Named Inventor</td> <td>Michael Phelan</td> </tr> <tr> <td>Group Art Unit</td> <td>TBD</td> </tr> <tr> <td>Examiner Name</td> <td>TBD</td> </tr> <tr> <td>Attorney Docket Number</td> <td>1000-1796 CIP</td> </tr> </table>	Application Number	TBD	Filing Date	TBD	First Named Inventor	Michael Phelan	Group Art Unit	TBD	Examiner Name	TBD	Attorney Docket Number	1000-1796 CIP
Sheet	1	Of	1														
Application Number	TBD																
Filing Date	TBD																
First Named Inventor	Michael Phelan																
Group Art Unit	TBD																
Examiner Name	TBD																
Attorney Docket Number	1000-1796 CIP																

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		5,481,253	01-02-1996	Phelan et al.	
		US 6,430,488 B1	08-06-2002	Goldman et al.	
		US 6,741,920 B1	05-25-2004	Otto	
		US 7,956,730 B2	06-07-2011	White et al.	
		US 8,258,939 B2	09-04-2012	Miller et al.	
		US 2002/0049538 A1	04-25-2002	Knapton et al.	
		US 2004/0225557 A1	11-11-2004	Phelan et al.	
		US 2005/0137757 A1	06-23-2005	Phelan et al.	
		US 2005/0182538 A1	08-18-2005	Phelan et al.	
		US 2006/0047419 A1	03-02-2006	Diendorf et al.	
		US 2006/0106515 A1	05-18-2006	Phelan et al.	
		US 2006/0111817 A1	05-25-2006	Phelan et al.	
		US 2006/0122749 A1	06-08-2006	Phelan et al.	
		US 2006/0200008 A1	09-07-2006	Moore-Ede	
		US 2006/0212195 A1	09-21-2006	Veith et al.	
		US 2007/0082706 A1	04-12-2007	Campbell et al.	
		US 2007/0158128 A1	07-12-2007	Gratz et al.	
		US 2008/0245598 A1	10-09-2008	Gratz et al.	
		US 2008/0319602 A1	12-25-2008	McClellan et al.	
		US 2009/0024273 A1	01-22-2009	Follmer, et al.	
		US 2009/0027177 A1	01-29-2009	Hodder	
		US 2009/0030770 A1	01-29-2009	Hersh et al.	
		US 2009/0069954 A1	03-12-2009	Aladesuyi	
		US 2009/0079555 A1	03-26-2009	Aguirre De Carcer et al.	
		US 2009/0189736 A1	07-30-2009	Hayashi	
		US 2010/0004818 A1	01-07-2010	Phelan	

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

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

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

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

If you need assistance in completing the form, call 1-800-PTO: 9169 (1-800-776-9169) and select option 2.

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 CIP
		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	US	
Mailing Address of Inventor:							
Address 1		851 Camino Francisca					
Address 2							
City	Santa Fe		State/Province	NM			
Postal Code	87506		Country	US			
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.							Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).			
☐ An Address is being provided for the correspondence information of this application.			
Customer Number	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 CIP	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 :

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 CIP
		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	Pending	Remove			
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)		
	Continuation in part of	13858930	2013-04-08		
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
Prior Application Status	Expired	Remove			

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 CIP
		Application Number	
Title of Invention	Driver Authentication System and Method for Monitoring and Controlling Vehicle Usage		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
12496509	Continuation of	61077568	2008-07-02
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.			

Foreign Priority Information:

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

			Remove
Application Number	Country ¹	Filing Date (YYYY-MM-DD)	Access Code ¹ (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			

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

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013. NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Authorization to Permit Access:

☒ Authorization to Permit Access to the Instant Application by the Participating Offices
--

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 CIP
		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				
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

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	100C-1796 CIP
		Application Number	
Title of Invention	Driver Authentication System and Method for Monitoring and Controlling Vehicle Usage		

Mailing Address Information For Applicant:			
Address 1			
Address 2			
City		State/Province	
Country		Postal Code	
Phone Number		Fax Number	
Email Address			
Additional Applicant Data may be generated within this form by selecting the Add button.			

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.				
Assignee 1				
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.				
If the Assignee or Non-Applicant Assignee is an Organization check here. ☐				
Prefix	Given Name	Middle Name	Family Name	Suffix
Mailing Address Information For Assignee including Non-Applicant Assignee:				
Address 1				
Address 2				
City		State/Province		
Country		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.				

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 CIP
		Application Number	
Title of Invention	Driver Authentication System and Method for Monitoring and Controlling Vehicle Usage		

Signature:

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications.					
Signature	/KEVIN SOULES/		Date (YYYY-MM-DD)	2014-08-11	
First Name	Kevin	Last Name	Soules	Registration Number	66033
Additional Signature may be generated within this form by selecting the Add button.					

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

DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND
CONTROLLING VEHICLE USAGE

INVENTION PRIORITY

[0001] The present application is a continuation in part of nonprovisional patent 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 results in a great increase in the number of 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 address safety issues.

[0005] The factors that have been researched and proven as the leading contributors to accidents, injuries and fatalities among at risk drivers include lack of driving experience, inadequate driving skills, risk-taking behavior, poor judgment and decision making, distraction, lack of focus, fatigue, and impairment. As a result of these factors.

[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 remotely and/or wirelessly identifying and authenticating the driver and remotely and/or wirelessly programming the vehicle operating parameters that trigger vehicle 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, aged drivers, drunk drivers, drowsily drivers, distracted 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 module 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 module 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 non-transitory main memory 202, an input/output controller 203, a keyboard 204, a pointing device 205 (e.g., mouse, track ball, pen device, touch sensitive display, 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. It should be appreciated that data-processing apparatus 200 can comprise a WIFI enabled device, an RFID enabled device, a Bluetooth enabled device, a cellular telephone, a Smartphone, a tablet computer, a portable computer, or the like.

[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 by high-risk drivers utilizing an operating profile. Software application module 260 can be adapted for providing a real time, remote and/or wireless 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.

[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, Smartphone, tablet computer, or other similar device. 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, Bluetooth, 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, transducers, sensors, GPS devices, etc. 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 such as Bluetooth, or using RFID technology.

[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 habitually reckless drivers, sleepy drivers, impaired 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 and may alternatively be embodied as a smart phone, tablet computer, or other mobile computing device. The authorized vehicle owner 470 can access the software application 260 over a data network 360, via the remote computer 465 (remote computer 465 may be embodied as a smart phone, tablet computer, laptop computer, or other mobile computing device), 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 are not limited to, data concerning maximum allowable vehicle speed, user infraction limits, mobile device operating parameters, impaired driver parameters, 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 may or may not be viewed as key risk factors 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 is 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.

[0040] Further, the operating profile 435 can be loaded to a driver identification and data logging module 425. The driver identification and data logging module 425 can be a mobile telephone, a Smartphone, a WIFI enabled device, an RFID enabled device, a Bluetooth enabled device, a tablet computer a USB compatible device such as for example, iButton, radio frequency identification device (RFID), software, etc that can be utilized in conjunction with the remote computer 465 in order to wirelessly load the operating profile 235 into the master control unit 430. This requires master control unit 430 to be capable of accepting data via WIFI, RFID, Bluetooth, USB, via cellular data signals, etc. The driver identification and data logging module 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.

[0041] The driver authentication and data logging module or device 425 can be connected to the remote computer 465 wirelessly or otherwise, and the operating profile 435 can be stored. The master control unit 430 can authenticate the driver 410 utilizing a unique identification code 415 provided by the driver identification and data logging module 425.

[0042] In one embodiment, the driver authentication and data logging module or device 425 can be a smart phone with one or more of WIFI, RFID, Bluetooth, and GPS capabilities. The device 425 or phone is transported with the potential driver. When the driver enters the vehicle the device 425 can automatically, or at the user's request, connect to the master control unit 465. The device 425 can wirelessly provide the unique identification code 415 (which may be stored on the devices memory, or may be entered by the driver via the device 425) to authenticate the driver. The device may further store the driver operating profile 435 for the driver and provide that profile to the master control unit 430.

[0043] A data logging device 452 can be used to record vehicle operation data associated with the operation of the vehicle. Included may be a GPS module 451 which can be used to monitor the vehicles speed, location, and acceleration/deceleration data. The data collected by the data logging device 452 can be provided to the master control unit 430. In another embodiment, the data logging device 452 and GPS module 451

may be provided as functionalities associated with the driver identification and data logging module when that module is embodied as a mobile device equipped with at least GPS capabilities (i.e. a Smartphone with GPS capability).

[0044] 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, limit/disable mobile cellular devices in the vehicle, limit/disable internet applications provided in the vehicle, limit/disable GPS related applications provided by the vehicle, limit/disable the driver's cellular telephone or other such devices in the vehicle, 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.

[0045] 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, sounding toggling the dome light and/or cutting the radio off, etc. The slave control unit can in addition, or alternatively, provide the alarm signal 445 to the driver identification and data logging module 425, and cause that device to sound an alarm 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.

[0046] Alternatively, or additionally, the wireless identification and data logging module 425 can be configured to wirelessly receive vehicle specific performance and infraction data from the master control unit. This data may also be formatted to provide feedback to the driver via a display associated with the wireless identification and data logging module 425 to help the driver correct their potentially unsafe driving habits.

[0047] A plurality of transducers 461 may further be provided throughout the vehicle 420. These transducers 461 can be configured as sensors designed to measure various data related to the vehicle and vehicle driver. For example, the sensors 461-464 may provide information regarding the location, speed, acceleration, proximity to other vehicles, proximity to road obstructions, proximity to street lines, driver head movement, driver eye movement, ambient vehicle noise, driver Blood Alcohol Level, etc.

[0048] Information from these sensors can be provided to the slave control unit 440. The slave control unit 440 can process the data collected from the sensors and determine if the data indicates a condition that requires a warning. For example, the sensors may indicate that the vehicle is speeding, veering off the road, approaching an obstruction in the road, too close to another vehicle, that the vehicle driver is distracted, sleepy, or not paying attention, that the vehicle driver is impaired etc. If one of these conditions is identified, the slave control unit 440 signals the master control unit 430 and the master control unit issues a driver alarm signal 445 as described above. In the case where the impairment sensor 462 provides a signal to the slave control unit 440 indicating that the driver's impairment is above a prescribed limit, the slave control unit can prevent the vehicle from starting.

[0049] 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 master control unit 430 may also receive data indicative of the speed of the vehicle 420, the location of the motor vehicle 420, and the time of day from a plurality of sources including a WIFI enabled device, an RF source, a Bluetooth enabled device, and a smart-road network source. This would allow the master control unit 430 to for example, receive real-time data indicative of the present road the vehicle 420 is travelling on via any of a WIFI enabled device, an RF source, a Bluetooth device, and a smart-road network source. 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.

[0050] The driver operating profile 435 can be programmed by the authorized vehicle owner 470 to place limits on the operation of the vehicle 420 by the driver 410. For example, the driver operating profile can define speed limits for each unique driver and can include geo-fencing for each driver. These limits can be dynamically determined according to location provided via the GPS module and time of day. For example, a concerned parent may set a geo-fence of 20 miles from their house for their teenage driver during the day and a 10 mile geo-fence at night. If the teenage driver exceeds this distance an alarm signal can be provided by the master control unit 430. Similarly, the parent can set speed limits that prevent the teenage driver from exceeding the speed limit on any road by more than 3 miles per hour. The speed limit can be identified for each road via wireless, GPS, or smart road network technology. If the teenage driver exceeds that limit an alarm signal can be provided by the master control unit 430 to the parent. Alternatively or additionally, the vehicle control module 467 can be signaled by the master control unit 430 to reduce the speed of the vehicle automatically if it exceeds the prescribed limits. The driver operating profile 435 can, in this way define a maximum vehicle speed, an allowable vehicle location, allowable hours of vehicle operation, require the driver's seat belt be engaged before the vehicle can be started, and define an impairment threshold for the driver.

[0051] The master control unit 430 can also provide real-time data regarding vehicle location, speed, and infractions to the authorized vehicle owner. Preferably, this data can be provided via network connection at the computer 465 (embodied as a cellular telephone, smart phone, tablet computer, vehicle integrated wireless communication device, WIFI enabled device, RFID enabled device, Bluetooth enabled device, mobile computer etc.) of the authorized vehicle owner.

[0052] The driver authentication system can include a phone governor module 465. The phone governor module 465 can be software installed on a driver's 410 cellular telephone, smart phone, tablet computer, vehicle integrated wireless communication device, WIFI enabled device, RFID enabled device, Bluetooth enabled device, mobile computer etc. The phone governor device is configured to receive instructions from the master control unit 430. The master control unit 430 can instruct the phone governor

module 465 to restrict calls on the driver's mobile device. This can include preventing any incoming or outgoing calls or restriction on phone numbers that can be dialed out or received. The master control unit 430 can further instruct the phone governor module 465 to power down the mobile device and disable text messaging or other applications involving text entry. Similarly, an internet governor module 466 may be configured to signal the master control unit 430 to disable all integrated in-vehicle internet or GPS related applications while the vehicle is in operation. This may include on-board mapping applications, services associated with the vehicle, internet search services, etc.

[0053] A vehicle control module 467 can also be configured to operate with the master control unit 430 to accelerate the vehicle, decelerate the vehicle, or alter the vehicle's direction. For example, if head/eye sensors 464 indicate that driver 410 is asleep while the vehicle is in motion, vehicle control module 467 can prompt the master control unit 430 to in addition to issuing an alarm, operate the vehicle's brakes automatically to reduce the speed of the vehicle until the vehicle is stopped. The vehicle control module 467 can further be instructed by the master control unit to simultaneously direct the vehicle out of traffic and on the shoulder of the road until the driver is awake.

[0054] 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.

[0055] The master control 430 can be configured to define a number of operating parameters for a given driver such as a maximum speed limit and a geo-fence limit defining an acceptable space in which the vehicle may be operated. These parameters may be dependent on the time of day. Likewise, the parameters can be dynamically set

according to the present location of the vehicle.

[0056] 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.

[0057] 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.

[0058] 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.

[0059] 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.

[0060] 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.

[0061] The operating profile 435 for the driver 410 can be loaded to the driver identification and data logging module 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 module 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.

[0062] 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 module 425, as illustrated at block 720.

[0063] The driver 410 can be authenticated utilizing the unique identification code 415 provided by the driver identification and data logging module 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.

[0064] 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.

[0065] 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.

[0066] In one embodiment A driver authentication and monitoring system, comprises a wireless identification and data logging module; a master control unit in a motor vehicle for wirelessly authenticating at least one driver via the wireless driver identification and data logging module 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 a use of the motor vehicle by the at least one driver comprising at least the location and speed information from the GPS module; and a slave control unit in the motor vehicle and in communication with the master control unit, the slave control unit configured to receive commands from the master control unit and to generate an alarm signal if the at least one driver violates the operating profile unique to the at least one driver thereby providing feedback about the vehicle usage; 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.

[0067] The driver authentication and monitoring system of further comprises a plurality of transducers comprising at least one of proximity sensors, head movement sensors, and eye movement sensors wherein the transducers send signals to the slave control unit and the slave control unit determines if the signals are indicative of a driving condition requiring a warning and in turn signals the master control unit to alert the driver. The driver authentication and monitoring system also comprises an impairment sensor wherein the slave control unit receives signals from impairment sensor and prevents the motor vehicle from starting when the transducer senses driver a driver impairment above a prescribed limit.

[0068] The driver authentication and monitoring system further comprises configuring the wireless identification and data logging module as at least one of a WIFI enabled device; an RFID enabled device, a Bluetooth enabled device; a cellular telephone; and a smart phone.

[0069] In another embodiment of the driver authentication system the wireless identification and data logging module is further configured to wirelessly load the

operating profile for the at least one driver into the master control unit. The wireless identification and data logging module is further configured to wirelessly receive driver specific vehicle performance and infraction data from the master control unit and present the driver specific vehicle performance and infraction data.

[0070] In another embodiment of the driver authentication device the master control unit is further configured for wirelessly receiving data indicative of a speed of the motor vehicle, a location of the motor vehicle, and a time of day from at least one of a WIFI source; an RF source; a Bluetooth source; and a smart-road network source. The master control is configured for wirelessly receiving data indicative of a speed limit associated with a road the motor vehicle is currently traveling on from at least one of a WIFI source; an RF source; a Bluetooth source; and a smart-road network source. The master control is configured to define a maximum speed limit and a geo-fence limit for the at least one driver according to the time of day.

[0071] In another embodiment the driver authentication module further comprises an alarm module configured to wirelessly receive data from at least one of the master controller, the slave controller, and the GPS module wherein the alarm module is further configured to present at least one of location data, speed data, and infraction data in real time. The alarm module comprises at least one of a cellular telephone; a smart phone; a computer; an vehicle integrated wireless communication device; a WIFI enabled device; an RFID enabled device; and a Bluetooth enabled device.

[0072] The driver authentication device further comprises a phone governor module configured to receive at least one instruction from the master control unit the instructions comprising at least one of restricting calls on the at least one driver's cellular telephone; powering off the at least one driver's cellular telephone; and disabling text messaging on the at least one driver's cellular telephone.

[0073] The driver authentication device further comprises an internet governor module configured to disables all integrated in-vehicle internet related applications when the vehicle is in operation.

[0074] The driver authentication device further comprises a vehicle control module

configured to receive at least one instruction from the master control unit the instructions comprising at least one of reducing the vehicles speed; increasing the vehicles speed; and altering the vehicles direction.

[0075] The driver authentication and monitoring system includes the slave control unit further comprising a power regulator module; a starter relay module; a definable relay module; a slave microcontroller; and an alarm synthesizer. 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 a seatbelt usage. The slave control unit generates an alarm signal for remotely alerting the authorized user when the at least one driver violates the operating profile.

CLAIMS

What is claimed is:

1. A driver authentication and monitoring system, comprising:
 - A wireless identification and data logging module;
 - a master control unit in a motor vehicle for wirelessly authenticating at least one driver via said wireless driver identification and data logging module and associating an operating profile with said at least one driver;
 - a GPS module providing at least location and speed information in association with movement of said motor vehicle;
 - a data logging device recording vehicle operation data associated with a use of said motor vehicle by said at least one driver comprising at least said location and speed information from said GPS module; and
 - a slave control unit in said motor vehicle and in communication with said master control unit, said slave control unit configured to receive commands from said master control unit and to generate an alarm signal if said at least one driver violates said operating profile unique to said at least one driver thereby providing feedback about said vehicle usage;

wherein said master control unit permits said at least one driver to operate said vehicle within an operating profile if said master control unit receives at least one of a unique identification code to permit said at least one driver to operate said vehicle within an operating profile and said at least one driver has not violated said operating profile.
2. The driver authentication and monitoring system of claim 1 further comprising:
 - a plurality of transducers comprising at least one of proximity sensors, head movement sensors, and eye movement sensors wherein said transducers send signals to said slave control unit and said slave control unit determines if said signals are indicative of a driving condition requiring a warning and in turn signals said master control unit to alert said driver.
3. The driver authentication and monitoring system of claim 1 further comprising:
 - an impairment sensor wherein said slave control unit receives signals from impairment sensor and prevents said motor vehicle from starting when said transducer senses driver a driver impairment above a prescribed limit.

4. The driver authentication and monitoring system of claim 1 further comprising configuring said wireless identification and data logging module as at least one of:

- a WIFI enabled device;
- an RFID enabled device;
- a Bluetooth enabled device;
- a cellular telephone; and
- a smart phone.

5. The driver authentication device of claim 4 wherein said wireless identification and data logging module is further configured to wirelessly load said operating profile for said at least one driver into said master control unit.

6. The driver authentication device of claim 4 wherein said wireless identification and data logging module is further configured to wirelessly receive driver specific vehicle performance and infraction data from said master control unit.

7. The driver authentication device of claim 6 wherein said wireless identification and data logging module is further configured to present said driver specific vehicle performance and infraction data.

8. The driver authentication device of claim 1 wherein said master control unit is further configured for wirelessly receiving data indicative of a speed of said motor vehicle, a location of said motor vehicle, and a time of day from at least one of:

- a WIFI source;
- an RF source;
- a Bluetooth source; and
- a smart-road network source.

9. The driver authentication device of claim 8 wherein said master control is configured for wirelessly receiving data indicative of a speed limit associated with a road said motor vehicle is currently traveling on from at least one of:

- a WIFI source;
- an RF source;

a Bluetooth source; and
a smart-road network source.

10. The driver authentication device of claim 9 wherein said master control is configured to define a maximum speed limit and a geo-fence limit for said at least one driver according to said time of day.

11. The driver authentication module of claim 1 further comprising an alarm module configured to wirelessly receive data from at least one of said master controller, said slave controller, and said GPS module wherein said alarm module is further configured to present at least one of location data, speed data, and infraction data in real time.

12. The driver authentication module of claim 11 wherein said alarm module comprises at least one of:

- a cellular telephone;
- a smart phone;
- a computer;
- an vehicle integrated wireless communication device;
- a WIFI enabled device;
- an RFID enabled device; and
- a Bluetooth enabled device.

13. The driver authentication device of claim 1 further comprising a phone governor module configured to receive at least one instruction from said master control unit said instructions comprising at least one of:

- restricting calls on said at least one driver's cellular telephone;
- powering off said at least one driver's cellular telephone; and
- disabling text messaging on said at least one driver's cellular telephone.

14. The driver authentication device of claim 1 further comprising an internet governor module configured to disables all integrated in-vehicle internet related applications when said vehicle is in operation.

15. The driver authentication device of claim 2 further comprising a steering control

module, a braking control module, and an acceleration control module configured to receive at least one instruction from said master control unit said instructions comprising at least one of:

- reducing said vehicles speed;
- increasing said vehicles speed; and
- altering said vehicles direction.

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

17. The driver authentication and monitoring system of claim 1, wherein said 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 a seatbelt usage.

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

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 module 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.

1/8

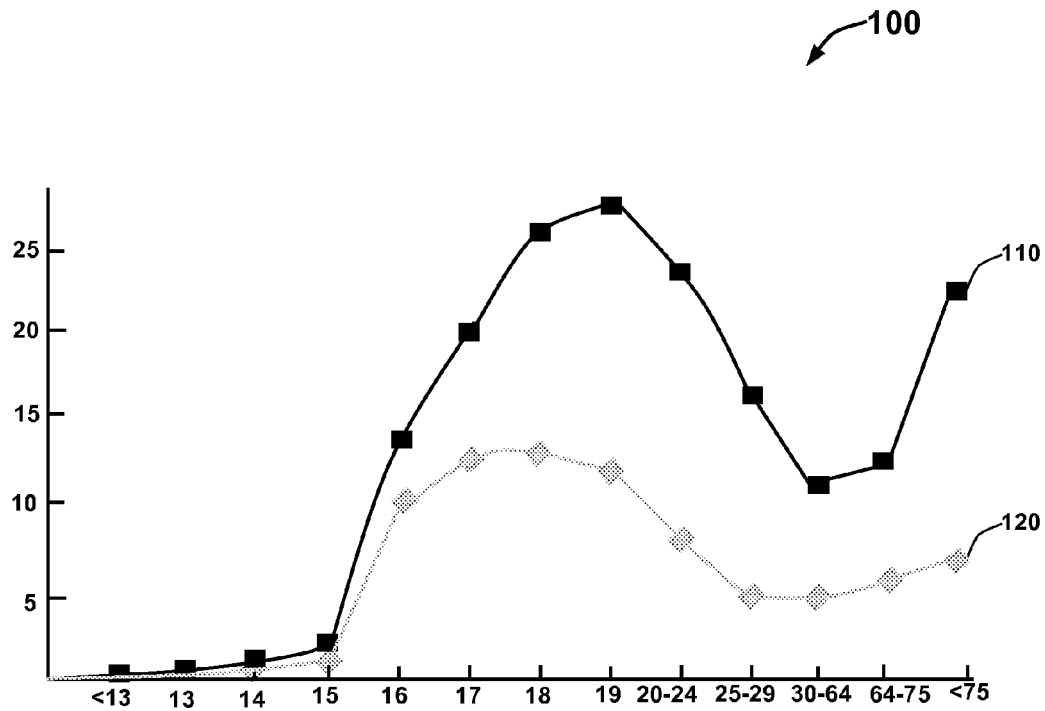


FIG. 1

2/8

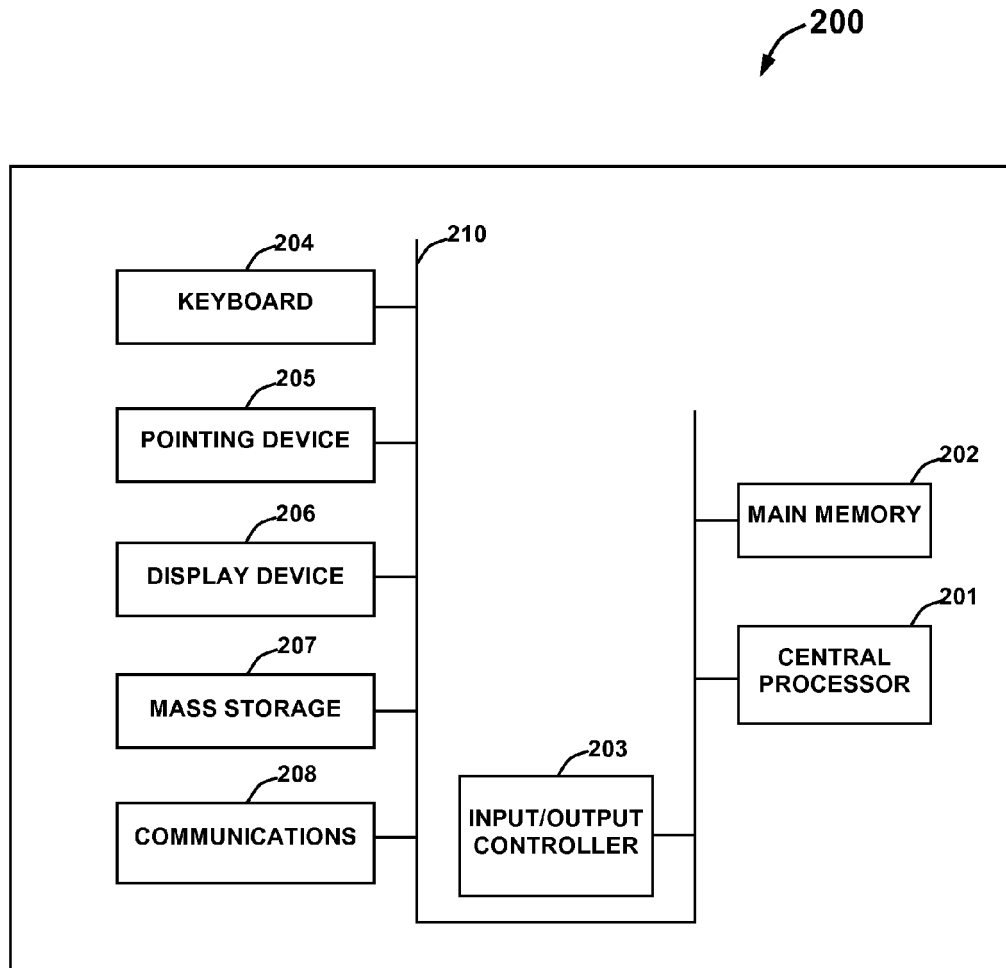


FIG. 2

3/8

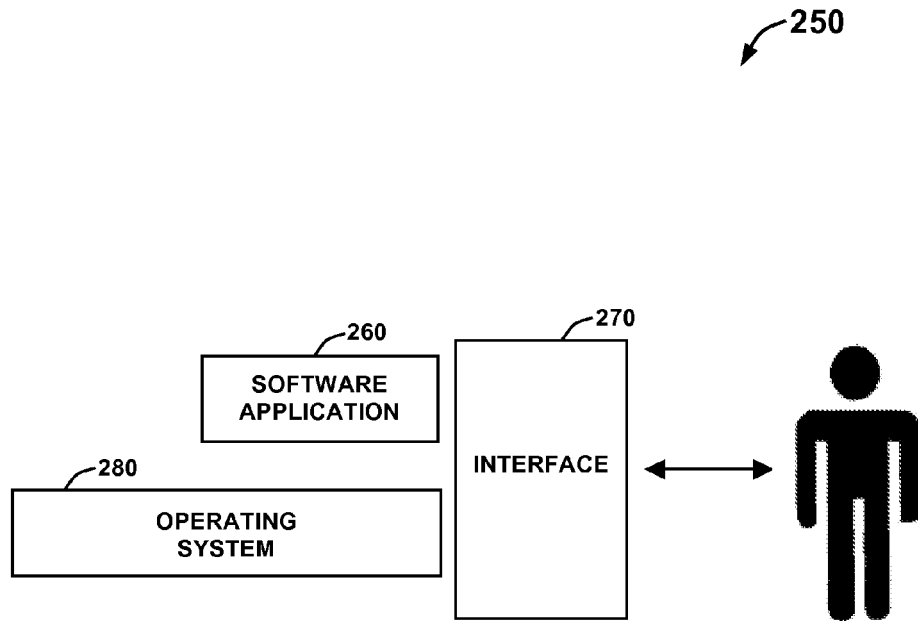


FIG. 3

4/8

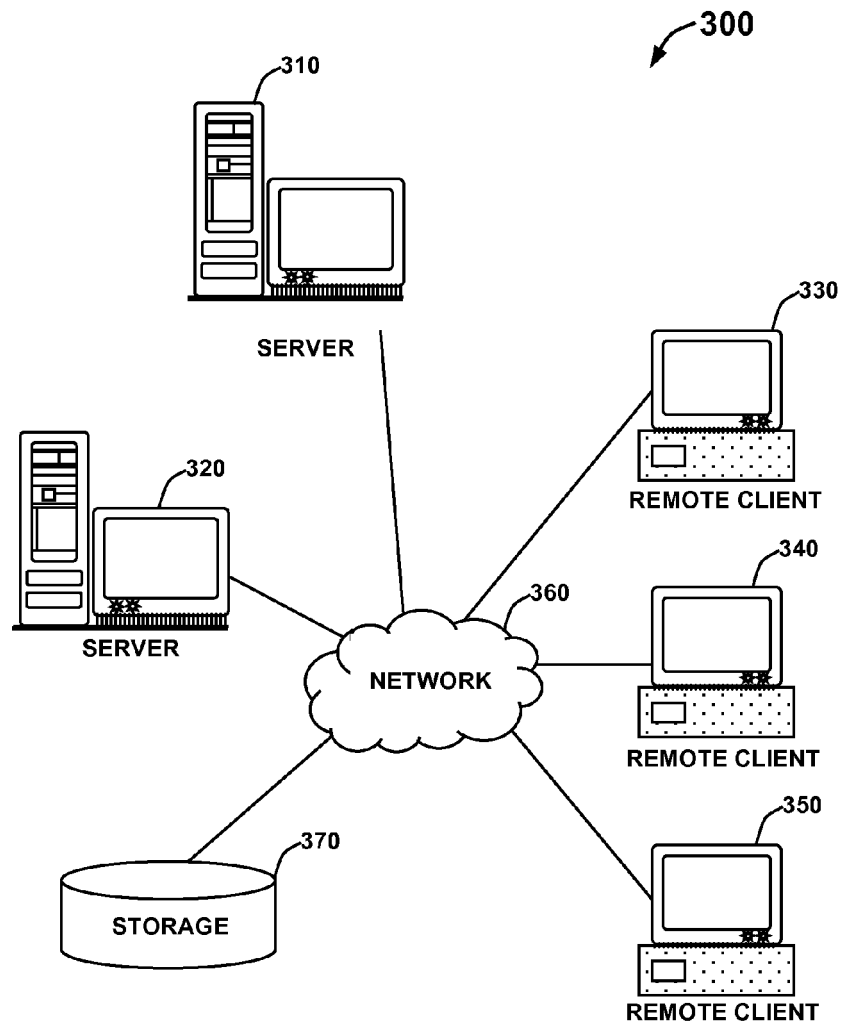


FIG. 4

5/8

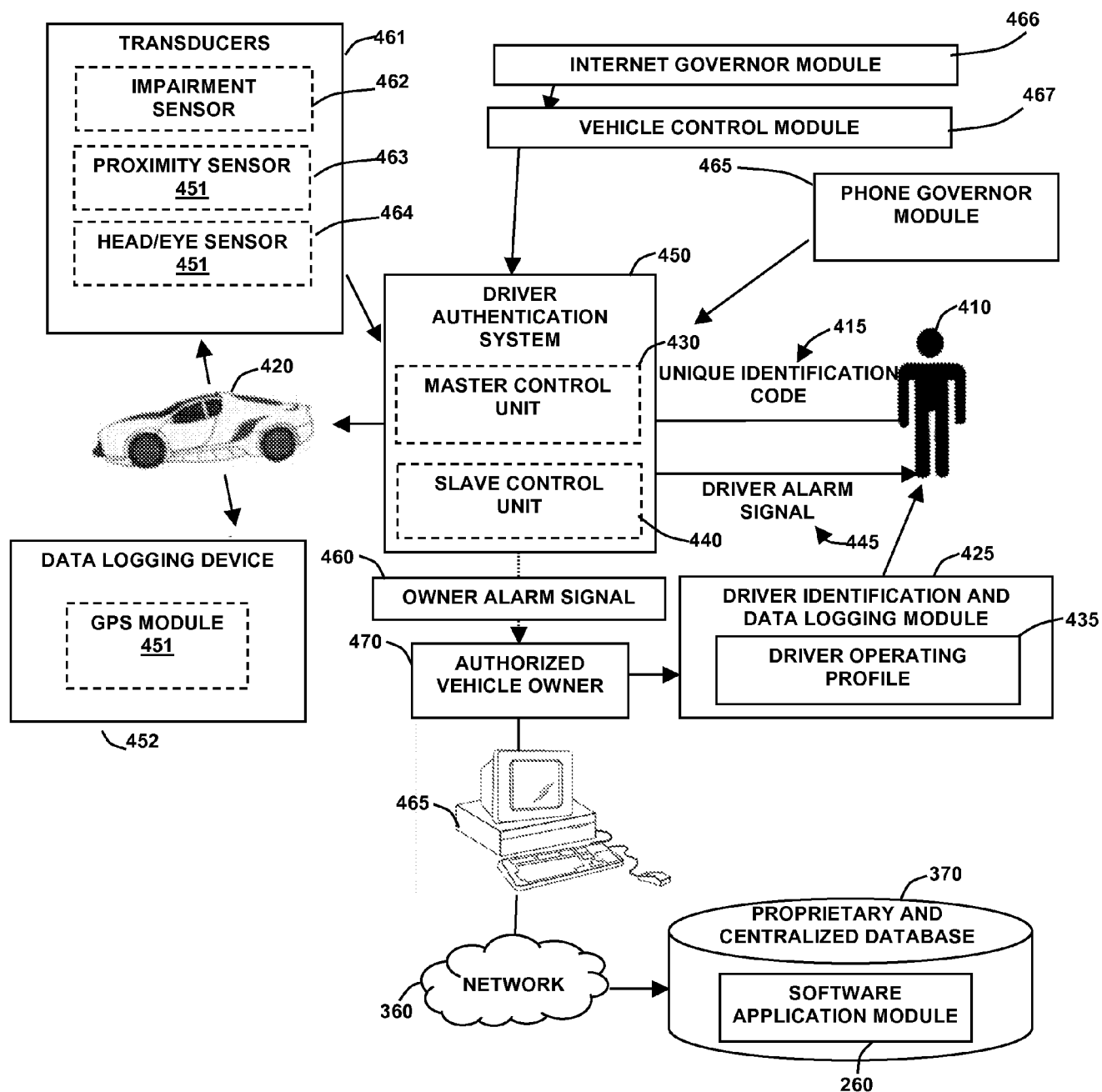


FIG. 5

6/8

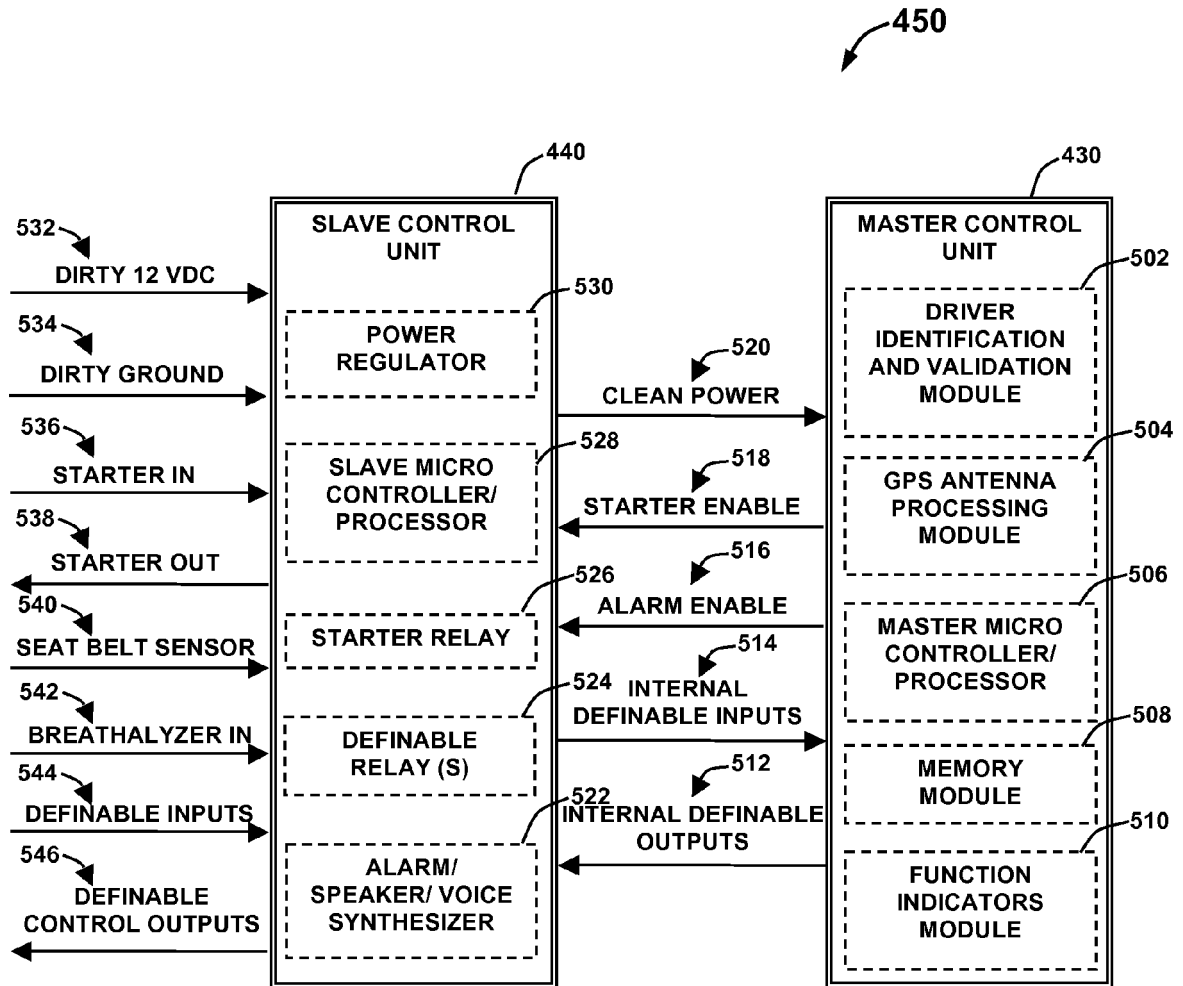


FIG. 6

7/8

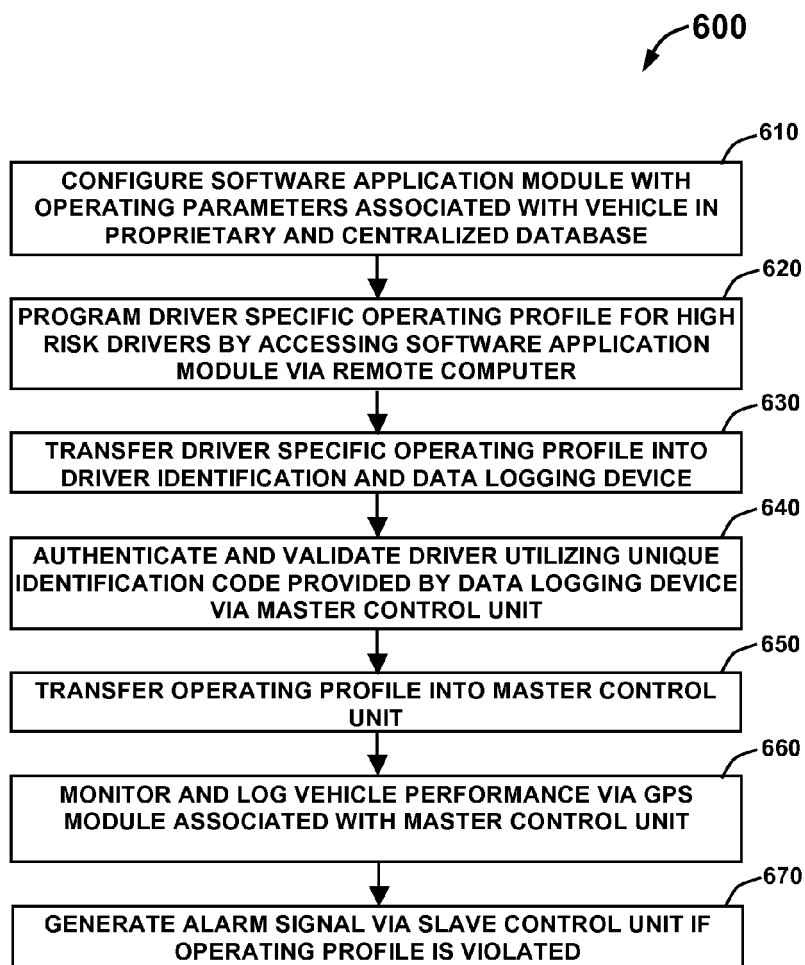


FIG. 7

8/8

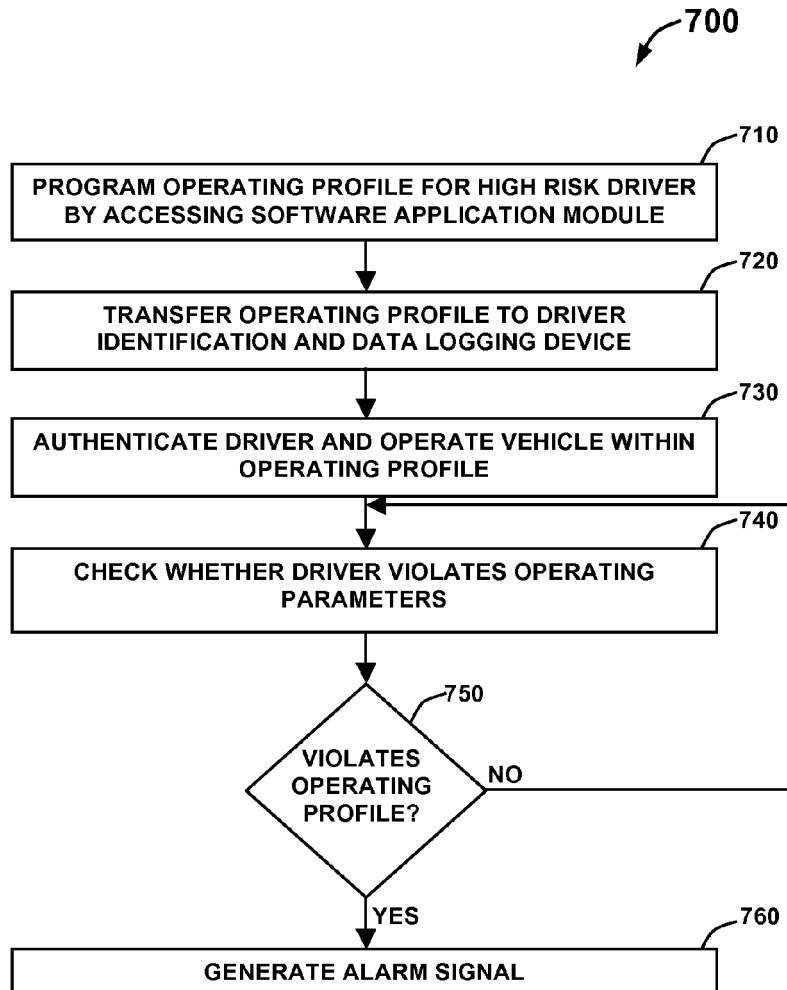


FIG. 8

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
14 / 464, 188	08-20-2014

(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: 64064
- ☐ 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):

Michael Phelan

- ☒ 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)	AUGUST 7, 2014
Name	Michael Phelan		
Title	INVENTOR		

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 2 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

Electronic Acknowledgement Receipt	
EFS ID:	19917281
Application Number:	14464188
International Application Number:	
Confirmation Number:	1058
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/Yvonne Lopez
Filer Authorized By:	Kevin Lee Soules
Attorney Docket Number:	1000-1796 CIP
Receipt Date:	20-AUG-2014
Filing Date:	
Time Stamp:	15:50:37
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	1000-1796-CIP_PofA.pdf	631753 997bfe0b9223b361b617036c5730333b4f9eca98	no	1
Warnings:					
Information:					

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

SCORE Placeholder Sheet for IFW Content

Application Number: 14464188

Document Date: 08/20/2014

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.

To access the documents in the SCORE database, refer to instructions below.

At the time of document entry (noted above):

- Examiners may access SCORE content via the eDAN interface.
- Other USPTO employees can bookmark the current SCORE URL (<http://Score.uspto.gov/ScoreAccessWeb/>).
- External customers may access SCORE content via the Public and Private PAIR interfaces.

Form Revision Date: September 30, 2013



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY DOCKET NO	TOT CLAIMS	IND CLAIMS
14/464,188	08/20/2014	3673	730	1000-1796 CIP	18	1

CONFIRMATION NO. 1058

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

FILING RECEIPT



OC00000070439308

Date Mailed: 08/29/2014

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

Inventor(s)

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 CIP of 13/858,930 04/08/2013
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: 08/27/2014

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/464,188**

Projected Publication Date: 12/04/2014

Non-Publication Request: No

Early Publication Request: No

page 1 of 3

**** SMALL ENTITY ****

Title

DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING
VEHICLE USAGE

Preliminary Class

070

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 Assets Control, 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.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 14/464,188			
APPLICATION AS FILED - PART I									
(Column 1)		(Column 2)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY			
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)		
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	70		N/A			
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	300		N/A			
EXAMINATION FEE (37 CFR 1.16(e), (p), or (q))	N/A	N/A	N/A	360		N/A			
TOTAL CLAIMS (37 CFR 1.16(j))	18 minus 20 =	*	x 40 =	0.00	OR				
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 =	*	x 210 =	0.00					
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00					
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00					
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	730		TOTAL			
APPLICATION AS AMENDED - PART II									
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)	
	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))					OR			
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					OR			
			TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE			
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)	
	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))					OR			
	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
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/464,188	08/20/2014	Michael Phelan	1000-1796 CIP

CONFIRMATION NO. 1058

PUBLICATION NOTICE

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



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

Publication No. US-2014-0358376-A1

Publication Date: 12/04/2014

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 publicly available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

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

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

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



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/464,188	08/20/2014	Michael Phelan	1000-1796 CIP	1058
64064 7590 03/09/2016 ORTIZ & LOPEZ, PLLC P.O. BOX 4484 ALBUQUERQUE, NM 87196-4484			EXAMINER DAGER, JONATHAN M	
			ART UNIT 3663	PAPER NUMBER
			NOTIFICATION DATE 03/09/2016	DELIVERY MODE 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. 14/464,188	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 20 July 2014.
☐ 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) 1-18 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) 1-18 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 20 August 2014 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

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 20 August 2014.

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

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

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 1-18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites the limitation "wherein said master control unit...*an operating profile* if said master control unit receives at least one of a...said vehicle within *an operating profile*".

There is insufficient antecedent basis for this limitation in the claim. For purposes of examination, it will be assumed the later operating profile was referring to the operating profile recited earlier in the claim.

Claims 2-18 are likewise rejected due to their dependency and or similar recitations.

Prior Art

2. No prior art could be found that would anticipate or render obvious independent claim 1.

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
02 March 2016

Notice of References Cited	Application/Control No. 14/464,188	Applicant(s)/Patent Under Reexamination PHELAN, MICHAEL	
	Examiner JONATHAN M. DAGER	Art Unit 3663	Page 1 of 3

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					
	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. 14/464,188		Applicant(s)/Patent Under Reexamination PHELAN, MICHAEL	
	Examiner JONATHAN M. DAGER		Art Unit 3663	Page 2 of 3

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-2007/0158128 A1	07-2007	Gratz; Rosemarie M.	B60R25/1004	180/287
*	E	US-2007/0200663 A1	08-2007	White; Steve	A61B5/117	340/5.31
*	F	US-2008/0039998 A1	02-2008	Fein; Gene	B60R16/037	701/36
*	G	US-2008/0269979 A1	10-2008	Hermann; Thomas	H04L41/082	701/29.6
*	H	US-2008/0319602 A1	12-2008	McClellan; Scott	G07C5/008	701/31.4
*	I	US-2009/0024273 A1	01-2009	Follmer; Todd	G06Q10/10	701/33.4
*	J	US-2009/0027177 A1	01-2009	Hodder; David John	B60R25/04	340/426.12
*	K	US-2009/0030770 A1	01-2009	Hersh; Richard	G06Q10/06311	705/7.13
*	L	US-2009/0079555 A1	03-2009	Aguirre De Carcer; Giadha	G07C5/008	340/441
*	M	US-2009/0069954 A1	03-2009	ALADESUYI; Kayode	B60R25/102	701/2

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.

Notice of References Cited	Application/Control No. 14/464,188		Applicant(s)/Patent Under Reexamination PHELAN, MICHAEL	
	Examiner JONATHAN M. DAGER		Art Unit 3663	Page 3 of 3

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2009/0189736 A1	07-2009	Hayashi; Hitoshi	G06F21/32	340/5.81
*	B	US-2010/0045452 A1	02-2010	Periwal; Neeraj	B60Q9/00	340/439
*	C	US-2010/0087986 A1	04-2010	LAL; DHANANJAY	B60R16/023	701/36
*	D	US-2010/0161171 A1	06-2010	Valentine; Eric Lee	B22D11/12	701/31.4
*	E	US-8,131,441 B2	03-2012	Nallapa; Venkatapathi Raju	B60W30/188	701/87
*	F	US-8,258,939 B2	09-2012	Miller; Thomas Lee	B60R25/00	340/301
*	G	US-8,463,488 B1	06-2013	Hart; Paul	G07C5/008	340/576
*	H	US-8,751,105 B2	06-2014	Whelan; Rene A.	B60R25/00	180/268
*	I	US-2015/0350750 A1	12-2015	YUN; Doo Seop	H04Q9/00	340/870.07
*	J	US-2016/0001718 A1	01-2016	Laifenfeld; Moshe	H04L12/00	701/32.7
*	K	US-2016/0001715 A1	01-2016	Laifenfeld; Moshe	B60R16/023	701/32.7
	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.

Search Notes 	Application/Control No. 14464188	Applicant(s)/Patent Under Reexamination PHELAN, MICHAEL
	Examiner JONATHAN M DAGER	Art Unit 3663

CPC- SEARCHED		
Symbol	Date	Examiner
G08B 21/00	3/2/2016	JD

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
ASSIGNEE	3/2/2016	JD
INVENTOR	3/2/2016	JD
KEYWORD	3/2/2016	JD
CITATION OF BEST PRIOR ART	3/2/2016	JD
REVIEW OF PARENT CASE	3/2/2016	JD
IDS	3/3/2016	JD

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

--	--

Receipt date: 08/20/2014

14464188 - GAU: 3663

Approved for use through 07/31/2012. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE AS MANY SHEETS AS NECESSARY) <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 15%;">Sheet</td> <td style="width: 15%; text-align: center;">1</td> <td style="width: 15%; text-align: center;">Of</td> <td style="width: 15%; text-align: center;">1</td> </tr> </table>	Sheet	1	Of	1	COMPLETE IF KNOWN <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>TBD</td> </tr> <tr> <td>Filing Date</td> <td>TBD</td> </tr> <tr> <td>First Named Inventor</td> <td>Michael Phelan</td> </tr> <tr> <td>Group Art Unit</td> <td>TBD</td> </tr> <tr> <td>Examiner Name</td> <td>TBD</td> </tr> <tr> <td>Attorney Docket Number</td> <td>1000-1796 CIP</td> </tr> </table>	Application Number	TBD	Filing Date	TBD	First Named Inventor	Michael Phelan	Group Art Unit	TBD	Examiner Name	TBD	Attorney Docket Number	1000-1796 CIP
Sheet	1	Of	1														
Application Number	TBD																
Filing Date	TBD																
First Named Inventor	Michael Phelan																
Group Art Unit	TBD																
Examiner Name	TBD																
Attorney Docket Number	1000-1796 CIP																

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number ²	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ^{2(a)(ii)}			
		5,481,253	01-02-1996	Phelan et al.	
		US 6,430,488 B1	08-06-2002	Goldman et al.	
		US 6,741,920 B1	05-25-2004	Otto	
		US 7,956,730 B2	06-07-2011	White et al.	
		US 8,258,939 B2	09-04-2012	Miller et al.	
		US 2002/0049538 A1	04-25-2002	Knapton et al.	
		US 2004/0225557 A1	11-11-2004	Phelan et al.	
		US 2005/0137757 A1	06-23-2005	Phelan et al.	
		US 2005/0182538 A1	08-18-2005	Phelan et al.	
		US 2006/0047419 A1	03-02-2006	Diendorf et al.	
		US 2006/0106515 A1	05-18-2006	Phelan et al.	
		US 2006/0111817 A1	05-25-2006	Phelan et al.	
		US 2006/0122749 A1	06-08-2006	Phelan et al.	
		US 2006/0200008 A1	09-07-2006	Moore-Ede	
		US 2006/0212195 A1	09-21-2006	Veith et al.	
		US 2007/0082706 A1	04-12-2007	Campbell et al.	
		US 2007/0158128 A1	07-12-2007	Gratz et al.	
		US 2008/0245598 A1	10-09-2008	Gratz et al.	
		US 2008/0319602 A1	12-25-2008	McClellan et al.	
		US 2009/0024273 A1	01-22-2009	Follmer, et al.	
		US 2009/0027177 A1	01-29-2009	Hodder	
		US 2009/0030770 A1	01-29-2009	Hersh et al.	
		US 2009/0069954 A1	03-12-2009	Aladesuyi	
		US 2009/0079555 A1	03-26-2009	Aguirre De Carcer et al.	
		US 2009/0189736 A1	07-30-2009	Hayashi	
		US 2010/0004818 A1	01-07-2010	Phelan	

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

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /JD/

Receipt date: 08/20/2014

14464188 GAU: 3663

--	--	--	--	--	--

Examiner Signature	/Jonathan Dager/	Date Considered	03/02/2016
-----------------------	------------------	--------------------	------------

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

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

If you need assistance in completing the form, call 1-800-PTO: 9199 (1-800-776-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /JD/

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 (authentica\$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 (authentica\$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 authentica\$4 or	US-PGPUB;	OR	ON	2011/09/30 14:40

		biometric 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

			US- 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 transceiver 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

3/ 2/ 2016 7:30:56 PM

C:\Users\jdager\Desktop\patent searches\phelan\1385893015may2014.wsp



UNITED STATES PATENT AND TRADEMARK OFFICE

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

BIB DATA SHEET

CONFIRMATION NO. 1058

SERIAL NUMBER 14/464,188	FILING or 371(c) DATE 08/20/2014 RULE	CLASS 701	GROUP ART UNIT 3663	ATTORNEY DOCKET NO. 1000-1796 CIP		
APPLICANTS INVENTORS Michael Phelan, Santa Fe, NM; ** CONTINUING DATA ***** This application is a CIP of 13/858,930 04/08/2013 PAT 9045101 ok which is a CON of 12/496,509 07/01/2009 PAT 8417415 -jd which claims benefit of 61/077,568 07/02/2008 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** ** SMALL ENTITY ** 08/27/2014						
Foreign Priority claimed ☐ Yes ☒ No 35 USC 119(a-d) conditions met ☐ Yes ☒ No Verified and /JONATHAN M DAGER/ Acknowledged Examiner's Signature		☐ Met after Allowance Initials	STATE OR COUNTRY NM	SHEETS DRAWINGS 8	TOTAL CLAIMS 18	INDEPENDENT CLAIMS 1
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 730	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			

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Michael Phelan **EXAMINER:** Jonathan Dager
SERIAL NO.: 14/464,188 **GROUP:** 3663
FILED: 08/20/2014 **ATTY DKT NO.:** 1000-1796 CIP
TITLE: **DRIVER AUTHENTICATION SYSTEM AND METHOD FOR
MONITORING AND CONTROLLING VEHICLE USAGE**

Please forward all correspondence to:

ORTIZ & LOPEZ, PLLC
Patent Attorneys
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 March 9, 2016 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 7 of this Paper.

CLAIM AMENDMENTS

Please amend claims 1 and 12 as follows:

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

a wireless identification and data logging module;

a master control unit in a motor vehicle for wirelessly authenticating at least one driver via said wireless driver identification and data logging module and associating an operating profile with said at least one driver;

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

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

a slave control unit in said motor vehicle and in communication with said master control unit, said slave control unit configured to receive commands from said master control unit and to generate an alarm signal if said at least one driver violates said operating profile unique to said at least one driver thereby providing feedback about said vehicle usage;

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

2. (Original) The driver authentication and monitoring system of claim 1 further comprising:

a plurality of transducers comprising at least one of proximity sensors, head movement sensors, and eye movement sensors wherein said transducers send signals to said slave control unit and said slave control unit determines if said signals are indicative of a driving condition requiring a warning and in turn signals said master control unit to alert said driver.

3. (Original) The driver authentication and monitoring system of claim 1 further comprising:

an impairment sensor wherein said slave control unit receives signals from impairment sensor and prevents said motor vehicle from starting when said transducer senses driver a driver impairment above a prescribed limit.

4. (Original) The driver authentication and monitoring system of claim 1 further comprising configuring said wireless identification and data logging module as at least one of:

- a WIFI enabled device;
- an RFID enabled device;
- a Bluetooth enabled device;
- a cellular telephone; and
- a smart phone.

5. (Original) The driver authentication device of claim 4 wherein said wireless identification and data logging module is further configured to wirelessly load said operating profile for said at least one driver into said master control unit.

6. (Original) The driver authentication device of claim 4 wherein said wireless identification and data logging module is further configured to wirelessly receive driver specific vehicle performance and infraction data from said master control unit.

7. (Original) The driver authentication device of claim 6 wherein said wireless identification and data logging module is further configured to present said driver specific vehicle performance and infraction data.

8. (Original) The driver authentication device of claim 1 wherein said master control unit is further configured for wirelessly receiving data indicative of a speed of said motor vehicle, a location of said motor vehicle, and a time of day from at least one of:

- a WIFI source;
- an RF source;
- a Bluetooth source; and
- a smart-road network source.

9. (Original) The driver authentication device of claim 8 wherein said master control is configured for wirelessly receiving data indicative of a speed limit associated with a road said motor vehicle is currently traveling on from at least one of:

- a WIFI source;
- an RF source;
- a Bluetooth source; and
- a smart-road network source.

10. (Original) The driver authentication device of claim 9 wherein said master control is configured to define a maximum speed limit and a geo-fence limit for said at least one driver according to said time of day.

11. (Original) The driver authentication module of claim 1 further comprising an alarm module configured to wirelessly receive data from at least one of said master

controller, said slave controller, and said GPS module wherein said alarm module is further configured to present at least one of location data, speed data, and infraction data in real time.

12. (Currently Amended) The driver authentication module of claim 11 wherein said alarm module comprises at least one of:

- a cellular telephone;
- a smartphone;
- a computer;
- [[an]] a vehicle integrated wireless communication device;
- a WIFI enabled device;
- an RFID enabled device; and
- a Bluetooth enabled device.

13. (Original) The driver authentication device of claim 1 further comprising a phone governor module configured to receive at least one instruction from said master control unit said instructions comprising at least one of:

- restricting calls on said at least one driver's cellular telephone;
- powering off said at least one driver's cellular telephone; and
- disabling text messaging on said at least one driver's cellular telephone.

14. (Original) The driver authentication device of claim 1 further comprising an internet governor module configured to disables all integrated in-vehicle internet related applications when said vehicle is in operation.

15. (Original) The driver authentication device of claim 2 further comprising a steering control module, a braking control module, and an acceleration control module configured to receive at least one instruction from said master control unit said instructions comprising at least one of:

reducing said vehicles speed;
increasing said vehicles speed; and
altering said vehicles direction.

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

17. (Original) The driver authentication and monitoring system of claim 1, wherein said 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 a seatbelt usage.

18. (Original) The driver authentication and monitoring system of claim 1 wherein said slave control unit generates an alarm signal for remotely alerting said authorized user when said at least one driver violates said operating profile.

REMARKS

I. Claim Rejections - 35 USC § 112

Claims 1-18 stand rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The Office Action argued claim 1 recites the limitation "wherein said master control unit... an operating profile if said master control unit receives at least one of a... said vehicle within an operating profile". The Office Action indicated there is insufficient antecedent basis for this limitation in the claim. For purposes of examination, it will be assumed the later operating profile was referring to the operating profile recited earlier in the claim.

The Office Action argued claims 2-18 are likewise rejected due to their dependency and or similar recitations.

The Applicant respectfully thanks the Examiner for identifying this typographical error. The Applicant has amended the claims to reference, "said operating profile," as required to correct the error. The Applicant respectfully requests the objection be withdrawn.

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 under 35 U.S.C. §112, 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: June 08, 2016

Kevin Soules
Attorney for Applicants
Registration No. 66,033
ORTIZ & LOPEZ, PLLC
P.O. Box 4484
Albuquerque, NM 87196-4484
Tel. (505) 314-1310

Electronic Acknowledgement Receipt	
EFS ID:	26001719
Application Number:	14464188
International Application Number:	
Confirmation Number:	1058
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 CIP
Receipt Date:	08-JUN-2016
Filing Date:	20-AUG-2014
Time Stamp:	12:26:15
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_CIP_Amend_June2016.pdf	969919 7f55719a032fb7e733911b18e6672767ec001a	no	8
Warnings:					
Information:					

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 14/464,188		Filing Date 08/20/2014		☐ To be Mailed	
ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO									
APPLICATION AS FILED – PART I									
(Column 1)		(Column 2)							
FOR		NUMBER FILED		NUMBER EXTRA		RATE (\$)		FEE (\$)	
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))		N/A		N/A		N/A			
☐ SEARCH FEE (37 CFR 1.16(k), (l), or (m))		N/A		N/A		N/A			
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A		N/A		N/A			
TOTAL CLAIMS (37 CFR 1.16(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									
(Column 1)		(Column 2)		(Column 3)					
AMENDMENT	06/08/2016	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(o))	* 18	Minus	** 20	= 0	X \$40 =		0	
	Independent (37 CFR 1.16(h))	* 1	Minus	***3	= 0	X \$210 =		0	
	☐ Application Size Fee (37 CFR 1.16(s))								
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
						TOTAL ADD'L FEE		0	
(Column 1)		(Column 2)		(Column 3)					
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	*	Minus	**	=	X \$ =			
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$ =			
	☐ Application Size Fee (37 CFR 1.16(s))								
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
						TOTAL ADD'L FEE			
* 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.									

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.

LIE
/Davina Butler/



UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

64064 7590 07/13/2016
ORTIZ & LOPEZ, PLLC
P.O. BOX 4484
ALBUQUERQUE, NM 87196-4484

EXAMINER

DAGER, JONATHAN M

ART UNIT

PAPER NUMBER

3663

DATE MAILED: 07/13/2016

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/464,188	08/20/2014	Michael Phelan	1000-1796 CIP	1058

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	SMALL	\$480	\$0	\$0	\$480	10/13/2016

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

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

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

64064 7590 07/13/2016
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.
14/464,188	08/20/2014	Michael Phelan	1000-1796 CIP	1058

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	SMALL	\$480	\$0	\$0	\$480	10/13/2016

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, 1 _____
- (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. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

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

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

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

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

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

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

5. Change in Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

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

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

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/464,188	08/20/2014	Michael Phelan	1000-1796 CIP	1058
64064 7590 07/13/2016 ORTIZ & LOPEZ, PLLC P.O. BOX 4484 ALBUQUERQUE, NM 87196-4484			EXAMINER DAGER, JONATHAN M	
			ART UNIT 3663	PAPER NUMBER

DATE MAILED: 07/13/2016

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. 14/464,188	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--

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 filed 08 June 2016.
☐ 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 1-18. 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 a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

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

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

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

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)	5. ☐ Examiner's Amendment/Comment
2. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>20 August 2014</u>	6. ☒ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	7. ☐ Other _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____.	

/JONATHAN M DAGER/ Primary Examiner, Art Unit 3663	
---	--

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

Response to Arguments

1. Applicant's contention (see page 7 filed 08 June 2016) with respect to the rejection of claims 1-18 under 35 U.S.C. 112(b) has been fully considered and is persuasive in view of the amendments provided. Therefore, the rejection of claims 1-18 under 35 U.S.C. 112(b) has been withdrawn.

Claims Allowable - Reasons for Allowance

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 a slave control unit in a motor vehicle and in communication with a master control unit, said slave control unit configured to receive commands from said master control unit and to generate an alarm signal if said at least one driver violates said operating profile unique to said at least one driver thereby providing feedback about said vehicle usage, wherein said master control unit permits said at least one driver to operate said vehicle within said operating profile if said master control unit receives at least one of a unique identification code to permit said at least one driver to operate said vehicle within said operating profile, and said at least one driver has not violated said operating profile.

Subsequently, claims 2-18 are also now allowable due to dependence on claim 1.

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 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.

Application/Control Number: 14/464,188
Art Unit: 3663

Page 4

/JONATHAN M DAGER/
Primary Examiner, Art Unit 3663
20 June 2016

Notice of References Cited	Application/Control No. 14/464,188		Applicant(s)/Patent Under Reexamination PHELAN, MICHAEL	
	Examiner JONATHAN M. DAGER		Art Unit 3663	Page 1 of 3

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					
	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. 14/464,188		Applicant(s)/Patent Under Reexamination PHELAN, MICHAEL	
	Examiner JONATHAN M. DAGER		Art Unit 3663	Page 2 of 3

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
*	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

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.

Notice of References Cited	Application/Control No. 14/464,188		Applicant(s)/Patent Under Reexamination PHELAN, MICHAEL	
	Examiner JONATHAN M. DAGER		Art Unit 3663	Page 3 of 3

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-2015/0350750 A1	12-2015	YUN; Doo Seop	H04Q9/00	340/870.07
*	L	US-2016/0001718 A1	01-2016	Laifenfeld; Moshe	H04W84/005	701/32.7
*	M	US-2016/0001715 A1	01-2016	Laifenfeld; Moshe	B60R16/023	701/32.7

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.

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	37	phelan.in. and (unique with code)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2016/06/20 10:44
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 (authentica\$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 (authentica\$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;	OR	ON	2011/09/30 14:40

			USPAT; FPRS; EPO; JPO; DERWENT			
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; 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;	OR	ON	2011/10/03 10:04

			USPAT; FPRS; EPO; JPO; DERWENT			
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 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 ((authentica\$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; 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-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;	OR	OFF	2012/09/25 15:19

			USOCR			
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; 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; 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-\$	US- PGPUB; USPAT	OR	ON	2015/06/19 11:51

		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.				
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"	US-PGPUB; USPAT; USOCR	OR	ON	2015/06/19 12:07

		"7548491").PN. OR ("8463488").URPN.				
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-2010004818-\$ 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-	US- PGPUB; USPAT	OR	ON	2015/06/22 11:33

		\$ 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-\$	US-PGPUB; USPAT	OR	ON	2016/03/02 11:40

		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.				
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

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	33	phelan.in. and (unique with code)	US-PGPUB; USPAT	OR	ON	2016/06/20 10:51

6/ 20/ 2016 10:52:25 AM**C:\ Users\ jdager\ Desktop\ patent searches\ phelan\ 1385893015may2014.wsp**

Issue Classification 	Application/Control No. 14464188	Applicant(s)/Patent Under Reexamination PHELAN, MICHAEL	
	Examiner JONATHAN M DAGER	Art Unit 3663	

CPC					
Symbol				Type	Version
B60W	10	20		F	2013-01-01
B60W	10	18		I	2013-01-01
B60R	16	033		I	2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	18	
/JONATHAN M DAGER/ Primary Examiner, Art Unit 3663	06/20/2016	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	5

Issue Classification 	Application/Control No. 14464188	Applicant(s)/Patent Under Reexamination PHELAN, MICHAEL
	Examiner JONATHAN M DAGER	Art Unit 3663

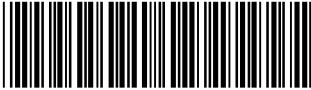
US ORIGINAL CLASSIFICATION						INTERNATIONAL CLASSIFICATION													
CLASS			SUBCLASS			CLAIMED					NON-CLAIMED								
701			36			G	0	6	F	19 / 00 (2011.01.01)									
CROSS REFERENCE(S)																			
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																		

NONE		Total Claims Allowed:	
		18	
(Assistant Examiner)	(Date)		
/JONATHAN M DAGER/ Primary Examiner, Art Unit 3663	06/20/2016	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	5

Issue Classification 	Application/Control No. 14464188	Applicant(s)/Patent Under Reexamination PHELAN, MICHAEL
	Examiner JONATHAN M DAGER	Art Unit 3663

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1		17												
	2		18												
	3														
	4														
	5														
	6														
	7														
	8														
	9														
	10														
	11														
	12														
	13														
	14														
	15														
	16														

NONE		Total Claims Allowed:	
		18	
(Assistant Examiner)	(Date)		
/JONATHAN M DAGER/ Primary Examiner, Art Unit 3663	06/20/2016	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	5

<i>Index of Claims</i> 	Application/Control No. 14464188	Applicant(s)/Patent Under Reexamination PHELAN, MICHAEL
	Examiner JONATHAN M DAGER	Art Unit 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	03/02/2016	06/20/2016												
	1	✓	=												
	2	✓	=												
	3	✓	=												
	4	✓	=												
	5	✓	=												
	6	✓	=												
	7	✓	=												
	8	✓	=												
	9	✓	=												
	10	✓	=												
	11	✓	=												
	12	✓	=												
	13	✓	=												
	14	✓	=												
	15	✓	=												
	16	✓	=												
	17	✓	=												
	18	✓	=												

Receipt date: 08/20/2014

14464188 - GAU:3663

Approved for use through 07/31/2012. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE AS MANY SHEETS AS NECESSARY) <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 15%;">Sheet</td> <td style="width: 10%; text-align: center;">1</td> <td style="width: 10%; text-align: center;">Of</td> <td style="width: 10%; text-align: center;">1</td> </tr> </table>	Sheet	1	Of	1	COMPLETE IF KNOWN <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>TBD</td> </tr> <tr> <td>Filing Date</td> <td>TBD</td> </tr> <tr> <td>First Named Inventor</td> <td>Michael Phelan</td> </tr> <tr> <td>Group Art Unit</td> <td>TBD</td> </tr> <tr> <td>Examiner Name</td> <td>TBD</td> </tr> <tr> <td>Attorney Docket Number</td> <td>1000-1796 CIP</td> </tr> </table>	Application Number	TBD	Filing Date	TBD	First Named Inventor	Michael Phelan	Group Art Unit	TBD	Examiner Name	TBD	Attorney Docket Number	1000-1796 CIP
Sheet	1	Of	1														
Application Number	TBD																
Filing Date	TBD																
First Named Inventor	Michael Phelan																
Group Art Unit	TBD																
Examiner Name	TBD																
Attorney Docket Number	1000-1796 CIP																

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		5,481,253	01-02-1996	Phelan et al.	
		US 6,430,488 B1	08-06-2002	Goldman et al.	
		US 6,741,920 B1	05-25-2004	Otto	
		US 7,956,730 B2	06-07-2011	White et al.	
		US 8,258,939 B2	09-04-2012	Miller et al.	
		US 2002/0049538 A1	04-25-2002	Knapton et al.	
		US 2004/0225557 A1	11-11-2004	Phelan et al.	
		US 2005/0137757 A1	06-23-2005	Phelan et al.	
		US 2005/0182538 A1	08-18-2005	Phelan et al.	
		US 2006/0047419 A1	03-02-2006	Diendorf et al.	
		US 2006/0106515 A1	05-18-2006	Phelan et al.	
		US 2006/0111817 A1	05-25-2006	Phelan et al.	
		US 2006/0122749 A1	06-08-2006	Phelan et al.	
		US 2006/0200008 A1	09-07-2006	Moore-Ede	
		US 2006/0212195 A1	09-21-2006	Veith et al.	
		US 2007/0082706 A1	04-12-2007	Campbell et al.	
		US 2007/0158128 A1	07-12-2007	Gratz et al.	
		US 2008/0245598 A1	10-09-2008	Gratz et al.	
		US 2008/0319602 A1	12-25-2008	McClellan et al.	
		US 2009/0024273 A1	01-22-2009	Follmer, et al.	
		US 2009/0027177 A1	01-29-2009	Hodder	
		US 2009/0030770 A1	01-29-2009	Hersh et al.	
		US 2009/0069954 A1	03-12-2009	Aladesuyi	
		US 2009/0079555 A1	03-26-2009	Aguirre De Carcer et al.	
		US 2009/0189736 A1	07-30-2009	Hayashi	
		US 2010/0004818 A1	01-07-2010	Phelan	

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

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /JD/

Receipt date: 08/20/2014

14464188 GAU: 3663

--	--	--	--	--	--

Examiner Signature	/Jonathan Dager/	Date Considered	07/05/2016
-----------------------	------------------	--------------------	------------

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

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

If you need assistance in completing the form, call 1-800-PTO: 9199 (1-800-776-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /JD/

Search Notes 	Application/Control No. 14464188	Applicant(s)/Patent Under Reexamination PHELAN, MICHAEL
	Examiner JONATHAN M DAGER	Art Unit 3663

CPC- SEARCHED		
Symbol	Date	Examiner
G08B 21/00	3/2/2016	JD

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
ASSIGNEE	3/2/2016	JD
INVENTOR	3/2/2016	JD
KEYWORD	3/2/2016	JD
CITATION OF BEST PRIOR ART	3/2/2016	JD
REVIEW OF PARENT CASE	3/2/2016	JD
IDS	3/3/2016	JD
ASSIGNEE	6/20/2016	JD
INVENTOR	6/20/2016	JD
KEYWORD	6/20/2016	JD
CITATION OF BEST PRIOR ART	6/20/2016	JD
INTERFERENCE TEXT SEARCH	6/20/2016	JD

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
G08B	21/00	6/27/2016	JD

--	--

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **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 07/13/2016
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.
14/464,188	08/20/2014	Michael Phelan	1000-1796 CIP	1058

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

APPL.N. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	10/13/2016

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
☒ 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 504511e (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
☐ Applicant asserting small entity status. See 37 CFR 1.27
☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

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

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

Authorized Signature KERMIT D. LOPEZ
Typed or printed name Kermit D. Lopez

Date OCT. 12, 2016
Registration No. 41,953

Electronic Patent Application Fee Transmittal				
Application Number:		14464188		
Filing Date:		20-Aug-2014		
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 CIP		
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
UTILITY APPL ISSUE FEE	2501	1	480	480
PUBL. FEE- EARLY, VOLUNTARY, OR NORMAL	1504	1	0	0
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				480

Electronic Acknowledgement Receipt	
EFS ID:	27195628
Application Number:	14464188
International Application Number:	
Confirmation Number:	1058
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 CIP
Receipt Date:	12-OCT-2016
Filing Date:	20-AUG-2014
Time Stamp:	16:55:40
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$480
RAM confirmation Number	101316INTEFSW00003940504516
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	1000-1796_CIP_Issue_fee_trans.pdf	121549	no	1
			af00361d171a4e21e4848e1628f51e611e14a5f71		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	32432	no	2
			ec0aa6c3ade3a452ee9dc39ba6ad78d23dad883		
Warnings:					
Information:					
Total Files Size (in bytes):			153981		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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.
14/464,188	11/15/2016	9493149	1000-1796 CIP	1058

64064 7590 10/26/2016
ORTIZ & LOPEZ, PLLC
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 141 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;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

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
<i>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.</i>	
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

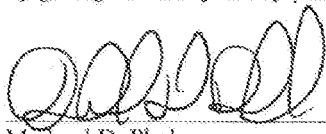
WHEREAS, I, Michael D. Phelan, citizen of the United States, have invented certain new and useful improvements in monitoring and controlling vehicle usage represented by issued patent nos. 8,417,415, 9,045,101, 9,493,149, 9,908,508, and pending patent application serial nos. 15/336,110 and 15/898,322,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

Whereas, THE PHELAN GROUP, LLC, having its principal offices at 851 Camino Francisco, 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.



Michael D. Phelan

27 May 2016

Date

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

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

Application Number	14/464,188 Patent No. 9,493,149
Filing Date	08-20-2014 Issue Date 11-15-2016
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-1001CIP

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.

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.

STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: The Phelan Group, LLC

Application No./Patent No.: 14/464,188 | 9,493,149 Filed/Issue Date: 08-20-2014 | 11-15-2016

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

The Phelan Group, LLC, a limited liability corporation

(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.

[Page 1 of 2]

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.

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/

Signature

Kermit D. Lopez

Printed or Typed Name

November 5, 2018

Date

41,953

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:	34214612
Application Number:	14464188
International Application Number:	
Confirmation Number:	1058
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 CIP
Receipt Date:	05-NOV-2018
Filing Date:	20-AUG-2014
Time Stamp:	16:25:55
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-1001CIP_ExecutedPO A.pdf	944298 fa26f433f3e9887681a627e53f00b63f5e4b8e01	no	2
Warnings:					

Information:					
2	Assignee showing of ownership per 37 CFR 3.73	PHELAN-1001CIP_373.pdf	104993	no	3
			79d8b110c349294d3283e1d7c7e045dbcccd76e		
Warnings:					
Information:					
Total Files Size (in bytes):				1049291	
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. New Applications Under 35 U.S.C. 111 If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. National Stage of an International Application under 35 U.S.C. 371 If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. New International Application Filed with the USPTO as a Receiving Office If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/464,188	08/20/2014	Michael Phelan	1000-1796 CIP

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

CONFIRMATION NO. 1058
POWER OF ATTORNEY NOTICE



OC000000103666763

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.

/mbeyene/



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/464,188	08/20/2014	Michael Phelan	PHELAN-1001CIP

CONFIRMATION NO. 1058

POA ACCEPTANCE LETTER



OC000000103666780

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

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.

/mbeyene/



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	PATENT NUMBER	GROUP ART UNIT	REQUEST ID
14/464,188	9493149	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.

- 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



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	PATENT NUMBER	GROUP ART UNIT	REQUEST ID
14/464,188	9493149	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