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Application Number: 15898322

Document Date: 02/16/2018

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- Drawing

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UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No.:	1000-1796-C4	Total Pages:	51
	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
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1. ☒ Fee Transmittal Form (Submit an original, and a duplicate for fee processing) 2. ☒ Specification (incl. claims) (Total Pages: 23) 3. ☒ Drawing(s) (35 USC 113) (Total Sheets: 8) ☐ Informal ☒ Formal 4. ☒ Oath or Declaration a. ☐ Newly executed (original or copy) b. ☒ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) (Note Box 5 below) ☐ i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 5. ☐ Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.	6. ☐ Microfiche Computer Program (Appendix) 7. Nucleotide and/or Amino Acid Sequence Submission (If applicable, all necessary) a. ☐ Computer Readable Copy b. ☐ Paper Copy (Identical to computer copy) c. ☐ Statement verifying identity of above copies
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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(s)	☐ Statement filed in prior application, Status still proper and desired
15. ☐ Certified Copy of Priority Document(s) (If foreign priority is claimed)	
16. ☒ Other: Application Data Sheet	

17. ☒ **CROSS-REFERENCE TO PATENT APPLICATION:** The present application is a continuation of nonprovisional application no. 14/712,124, entitled "Driver Authentication System and Method for Monitoring and Controlling Vehicle Usage," filed May 14, 2015, which is a continuation of nonprovisional application no. 13/858,930, entitled "Driver Authentication System and Method for Monitoring and Controlling Vehicle Usage," filed April 8, 2013, which is a continuation of nonprovisional patent application no. 12/496,509, entitled "Driver Authentication System and Method For Monitoring and Controlling Vehicle Usage," filed July 1, 2009, which is a continuation of and claims the priority and benefit under 35 U.S.C. § 119(e) of provisional patent application no. 61/077,568, entitled "Systems and Methods for Monitoring and Controlling Vehicle Usage by Young Drivers", filed July 2, 2008, which are all hereby incorporated by reference.

18. CORRESPONDENCE ADDRESS	
☐ Same as prior application ☒ Correspondence address below	
NAME	Ortiz & Lopez, PLLC
ADDRESS	P.O. Box 4484

UTILITY PATENT APPLICATION TRANSMITTAL - 37 CFR 1.53(b)

Page 2

CITY	Albuquerque	STATE	NM	ZIP CODE	87196
COUNTRY	U.S.A.	TELEPHONE	(505) 314-1310	FAX	(505) 314-1307

19. ☒ The filing fee is calculated below:

CLAIMS AS FILED, LESS ANY CLAIMS CANCELED BY ABOVE-INDICATED AMENDMENT(S)				
(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
TOTAL CLAIMS (37 CFR 1.16(c))	20 - 20 =	0	x \$ 50	= \$0.00
INDEPENDENT CLAIMS (37 CFR 1.16(b))	3 - 3 =		x \$230	= \$0.00
MULTIPLE DEPENDENT CLAIMS (IF APPLICABLE) (37 CFR 1.16(d))		ANY -- 0	\$ 410	= \$ 0.00
BASIC FILING FEE				\$75.00
UTILITY SEARCH FEE				\$330.00
UTILITY EXAMINATION FEE				\$380.00
TOTAL				= \$ 785.00

20. ☐ This is an authorization under 37 CFR 1.136(a)(3) to treat any concurrent or future reply, requiring a petition for extension of time, as incorporating a petition for the appropriate extension of time.
21. ☐ Power of Attorney
22. ☐ The assignee of this application to be indicated on its publication is .

Respectfully submitted,



Kevin Soules
Signature per 37 CFR 1.33 & 34
Date: February 16, 2018
Registration No. 66,033
Telephone 505-314-1327

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-10)

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor	Michael Phelan	
	Art Unit	TBD	
	Examiner Name	TBD	
	Attorney Docket Number	1000-1796-C4	

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	5481253		1996-01-02	Phelan et al.	
	2	6430488	B1	2002-08-06	Goldman et al.	
	3	6741920	B1	2004-05-25	Otto	
	4	7956730	B2	2011-06-07	White et al.	
	5	8131441	B2	2012-03-06	Nallapa et al.	
	6	8258939	B2	2012-09-04	Miller et al.	
	7	8463488	B1	2013-06-11	Hart	
	8	8751104	B2	2014-06-10	Hermann et al.	

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	Examiner Name	TBD	
	Attorney Docket Number	1000-1796-C4	

	9	87511105	B2	2014-06-10	Whelan et al.	
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If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20020049538	A1	2002-04-25	Knapton et al.	
	2	20030181822	A1	2003-09-25	Victor	
	3	20030204290	A1	2003-10-30	Sadler et al.	
	4	20030231550	A1	2003-12-18	Macfarlane	
	5	20040064221	A1	2004-04-01	DePrez et al.	
	6	20040225557	A1	2004-11-11	Phelan et al.	
	7	20050137757	A1	2005-06-23	Phelan et al.	
	8	20050182538	A1	2005-08-18	Phelan et al.	

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	Examiner Name	TBD	
	Attorney Docket Number	1000-1796-C4	

	9	20050237150	A1	2005-10-27	Sun et al.	
	10	20050288837	A1	2005-12-29	Wiegand et al.	
	11	20060047419	A1	2006-03-02	Diendorf et al.	
	12	20060066149	A1	2006-03-30	Holloway et al.	
	13	20060106515	A1	2006-05-18	Phelan et al.	
	14	20060111817	A1	2006-05-25	Phelan et al.	
	15	20060122749	A1	2006-06-08	Phelan et al.	
	16	20060212195	A1	2006-09-21	Veith et al.	
	17	20070082706	A1	2007-04-12	Campbell et al.	
	18	20070129056	A1	2007-06-07	Cheng et al.	
	19	20070155368	A1	2007-07-05	Phelan	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
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	First Named Inventor	Michael Phelan	
	Art Unit	TBD	
	Examiner Name	TBD	
	Attorney Docket Number	1000-1796-C4	

	20	20070158128	A1	2007-07-12	Gratz et al.	
	21	20070200663	A1	2007-08-30	White et al.	
	22	20080039998	A1	2008-02-14	Fein et al.	
	23	20080245598	A1	2008-10-09	Gratz et al.	
	24	20080269979	A1	2008-10-30	Hermann et al.	
	25	20080319602	A1	2008-12-25	McClellan et al.	
	26	20090024273	A1	2009-01-22	Follmer et al.	
	27	20090027177	A1	2009-01-29	Hodder	
	28	20090069954	A1	2009-01-29	Hersh et al.	
	29	20090079555	A1	2009-03-26	Aguirre De Carcer et al.	
	30	20090189736	A1	2009-07-30	Hayashi	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		
Filing Date		
First Named Inventor	Michael Phelan	
Art Unit	TBD	
Examiner Name	TBD	
Attorney Docket Number	1000-1796-C4	

31	20100004818	A1	2010-01-07	Phelan	
32	20100045452	A1	2010-02-25	Periwal	
33	20100087986	A1	2010-04-08	Lal et al.	
34	20100161171	A1	2010-06-24	Valentine et al.	
35	20140358376	A1	2014-12-04	Phelan	
36	20150350750	A1	2015-12-03	Yun et al.	
37	20160001715	A1	2016-01-07	Laifenfeld et al.	
38	20160001718	A1	2016-01-07	Laifenfeld et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button.

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FOREIGN PATENT DOCUMENTS

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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²ⁱ	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor	Michael Phelan	
	Art Unit	TBD	
	Examiner Name	TBD	
	Attorney Docket Number	1000-1796-C4	

NON-PATENT LITERATURE DOCUMENTS			Remove
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1		
If you wish to add additional non-patent literature document citation information please click the Add button Add			
EXAMINER SIGNATURE			
Examiner Signature			Date Considered
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			
¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.			

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	Art Unit	TBD	
	Examiner Name	TBD	
	Attorney Docket Number	1000-1796-C4	

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/KEVIN SOULES/	Date (YYYY-MM-DD)	2018-02-16
Name/Print	Kevin Soules	Registration Number	66033

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 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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-C4
		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	351 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-C4	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-C4
		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 of	14712124	2015-05-14		
Prior Application Status	Patented	Remove			
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14712124	Continuation of	13858930	2013-04-08	9045101	2015-06-02
Prior Application Status	Patented	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-C4	
		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)	Patent Number	Issue Date (YYYY-MM-DD)
13858930	Continuation of	12496509	2009-07-01	8417415	2013-04-09
Prior Application Status		Expired	Remove		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)		
12496509	Claims benefit of provisional	61077568	2008-07-02		
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.					Add

Foreign Priority Information:

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

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

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

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

NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Authorization to Permit Access:

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

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-C4
		Application Number	
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE		

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

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

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

Applicant Information:

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

Applicant	1			Remove
If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.				
Clear				
Assignee	Legal Representative under 35 U.S.C. 117		Joint Inventor	
Person to whom the inventor is obligated to assign.		Person who shows sufficient proprietary interest		
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1000-1796-C4
		Application Number	
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE		

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

As a below named inventor, I hereby declare that:

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

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

the application of which

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

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

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

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

Authorization To Permit Access To Application by Participating Offices

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

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

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Power of Attorney

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

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION, continued

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Name of sole or first inventor: Michael Phelan

Inventor's Signature:

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Santa Fe, NM 87506

Citizenship: United States of America

Date: MAY 28 2013

Mailing Address:
(Same as above)

DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND
CONTROLLING VEHICLE USAGE

INVENTION PRIORITY

[0001] The present application is a continuation of nonprovisional application no. 14/712,124, entitled "Driver Authentication System and Method for Monitoring and Controlling Vehicle Usage," filed May 14, 2015, which is a continuation of nonprovisional application no. 13/858,930, entitled "Driver Authentication System and Method for Monitoring and Controlling Vehicle Usage," filed April 8, 2013, which is a continuation of nonprovisional patent application no. 12/496,509, entitled "Driver Authentication System and Method For Monitoring and Controlling Vehicle Usage," filed July 1, 2009, which is a continuation of and claims the priority and benefit under 35 U.S.C. § 119(e) of provisional patent application no. 61/077,568, entitled "Systems and Methods for Monitoring and Controlling Vehicle Usage by Young Drivers", filed July 2, 2008, which are all hereby incorporated by reference.

TECHNICAL FIELD

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

BACKGROUND OF THE INVENTION

[0003] The widespread usage of motor vehicles for both personal and work related activities places millions of vehicles on roads each day with their operation being largely unmonitored. Unmonitored vehicle operation can lead to issues including, for example, abusive use of the vehicle and lack of experience. With more young drivers getting licenses

each year, there has been an unfortunate increase in accidents along with the ensuing damage, debilitating injuries and sometimes death. Most of these accidents are attributable to speeding and generally poor driving habits.

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

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

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

BRIEF SUMMARY

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

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

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

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

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

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

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

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

BRIEF DESCRIPTION OF THE DRAWINGS

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

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

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

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

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

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

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

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

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

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

DETAILED DESCRIPTION

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

to an authorized vehicle owner 470 of the vehicle 420.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

CLAIMS

What is claimed is:

1. A driver authentication and monitoring system, comprising:
 - a master control unit operating in a motor vehicle for authenticating at least one driver via a driver identification interface, wherein the master control unit receives a unique identification code to permit the at least one driver to operate the vehicle within an operating profile associated with the at least one driver and accessible by the master control unit; and
 - a slave control unit installed in the motor vehicle and coupled to at least one computer associated with the motor vehicle, said slave control unit in communication with said master control unit and configured to monitor operation of the motor vehicle and generate a signal to the master control unit if the at least one driver violates the operating profile thereby providing feedback to the master control unit about usage of the vehicle, and wherein the slave control unit cooperates with the at least one computer to control operation of the vehicle based on commands received from the master control unit.
2. The driver authentication and monitoring system of claim 1, further comprising a database comprising a program module including at least one operating parameter associated with a vehicle, the program module remotely accessible by an authorized user to program an operating profile with respect to at least one driver, the program module accessed by the authorized user via a network utilizing a remote computer.
3. The driver authentication and monitoring system of claim 2, wherein the driver identification interface in conjunction with a remote computer loads the operating profile in the master control unit for the at least one driver.
4. The driver authentication and monitoring system of claim 1, further comprising:

- a GPS module; a memory module; and a function indicator module.
5. The driver authentication and monitoring system of claim 4, wherein the operating profile is loaded into the memory module for enabling controlled operation of the vehicle when the at least one driver is authenticated.
6. The driver authentication and monitoring system of claim 4, wherein the GPS module provides location information to at least the master control unit in association with a physical location of the vehicle.
7. The driver authentication and monitoring system of claim 1, wherein the slave control unit further comprises a power regulator module; a starter relay module; a definable relay module; a slave microcontroller; and an alarm synthesizer.
8. The driver authentication and monitoring system of claim 2, wherein the at least one operating parameter comprises at least one of: a maximum allowable vehicle speed; an allowable vehicle location; allowable hours of operation; and seatbelt usage.
9. The driver authentication and monitoring system of claim 1, wherein the slave control unit generates an alarm signal for alerting said authorized user when the at least one driver violates the operating profile.
10. The driver authentication and monitoring system of claim 1, wherein the driver identification interface comprises at least one of:
a portable handheld device;
a radio frequency identification device; and
a USB compatible device.

11. A driver authentication and monitoring system, comprising:
- a master control unit in a motor vehicle for authenticating at least one driver via driver identification and associating an operating profile with the at least one driver;
 - a GPS module providing at least location and speed information in association with movement of the motor vehicle;
 - a data logging device recording vehicle operation data associated with use of the motor vehicle by the at least one driver including location and speed information from the GPS module; and
 - a slave control unit installed in the motor vehicle and coupled to at least one computer associated with the motor vehicle, said slave control unit in communication with said master control unit and configured to monitor operation of the motor vehicle and generate a signal to the master control unit if the at least one driver violates the operating profile thereby providing feedback to the master control unit about usage of the vehicle, and wherein the slave control unit cooperates with the at least one computer to control operation of the vehicle based on commands received from the master control unit;
- wherein the master control unit permits the at least one driver to operate the vehicle within an operating profile if the master control unit receives at least one of a unique identification code to permit the at least one driver to operate the vehicle within an operating profile and the at least one driver has not violated the operating profile.
12. The driver authentication and monitoring system of claim 11, wherein the slave control unit further comprises a power regulator module; a starter relay module; a definable relay module; a slave microcontroller; and an alarm synthesizer.
13. The driver authentication and monitoring system of claim 11, wherein the operating profile comprises at least one operating parameter including at least one of: a maximum allowable vehicle speed; an allowable vehicle location; allowable hours of operation; and seatbelt usage.

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

15. A method of authenticating and monitoring drivers, comprising:
providing a motor vehicle with a driver authentication and monitoring system;
programming the driver authentication and monitoring system with an operating profile associated with a high risk driver;
authenticating the high risk driver and enable operation of the motor vehicle within limits of the operating profile by monitoring operation of the motor vehicle to determine if the high profile driver is violating the operating profile;
generating a signal if said high profile driver violates the operating profile while operating the motor vehicle; and
governing mechanical operations of the vehicle remotely if the high profile driver violates the operating profile.

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

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

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

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

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

ABSTRACT

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

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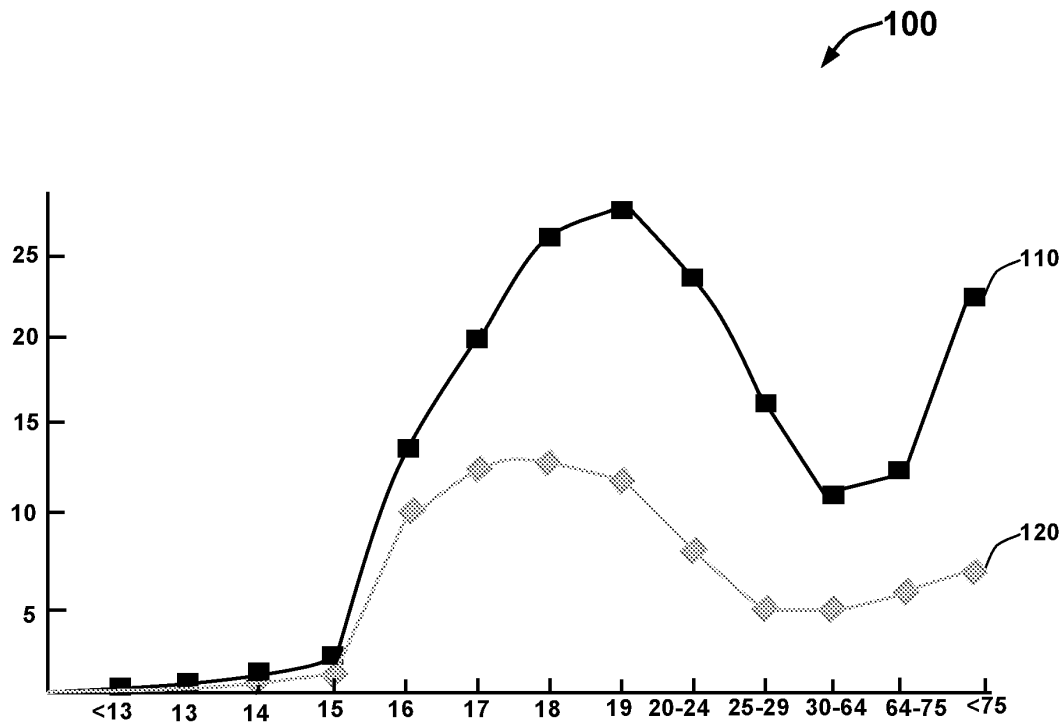


FIG. 1

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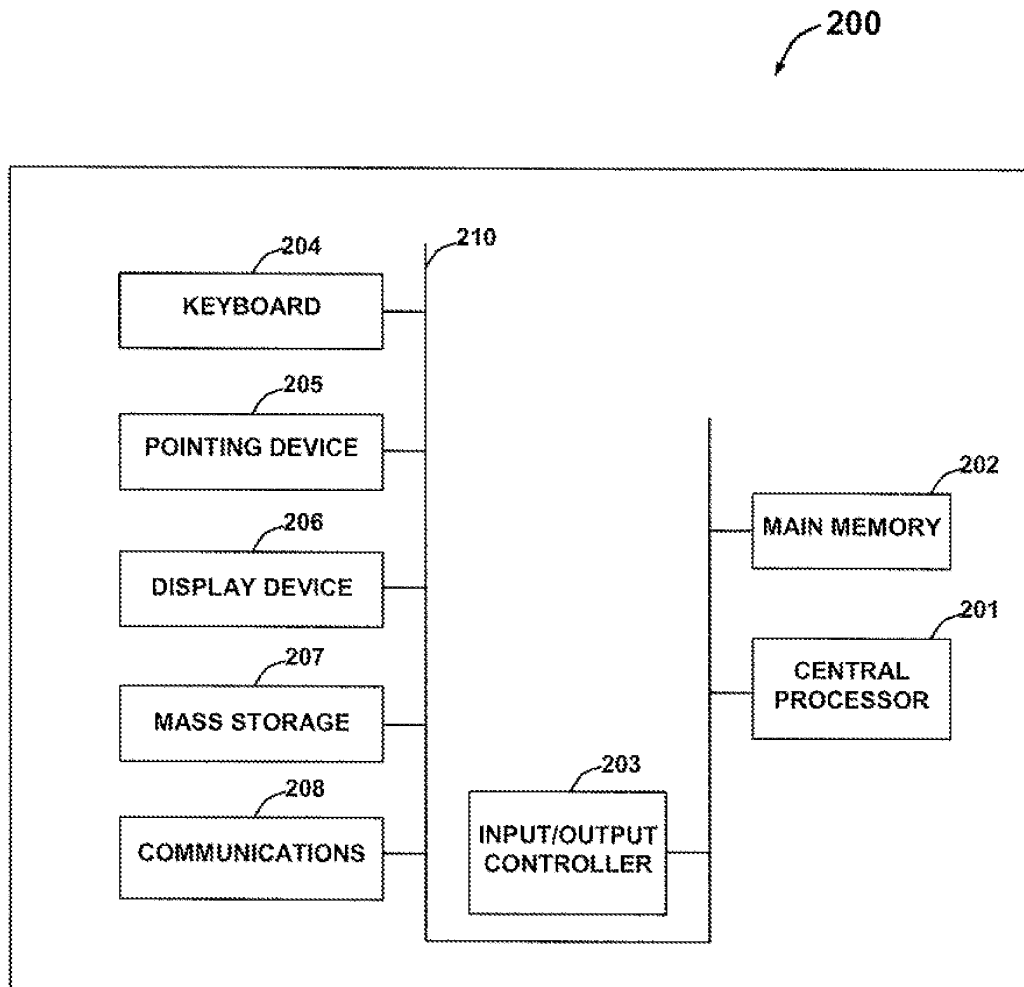


FIG. 2

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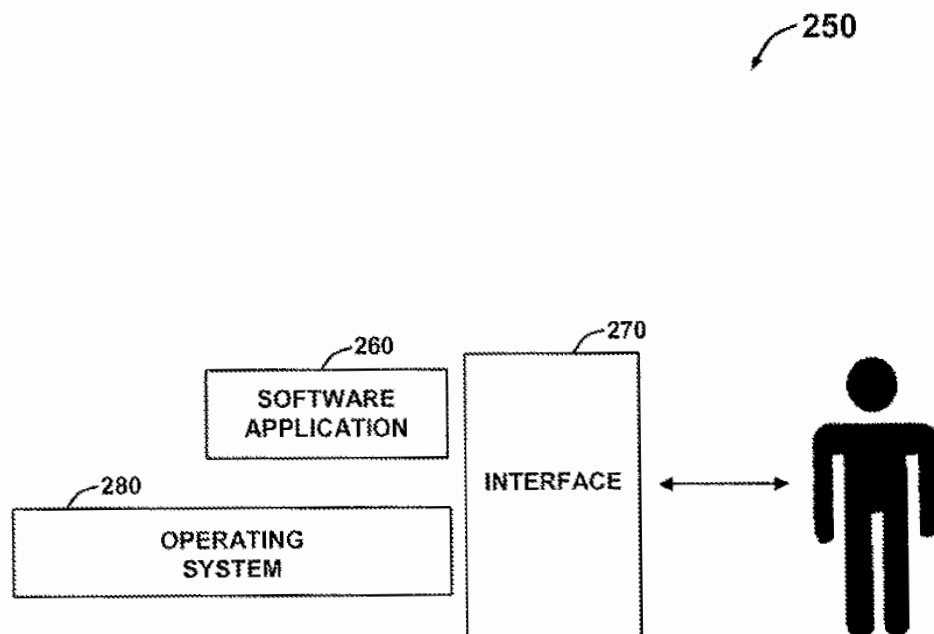


FIG. 3

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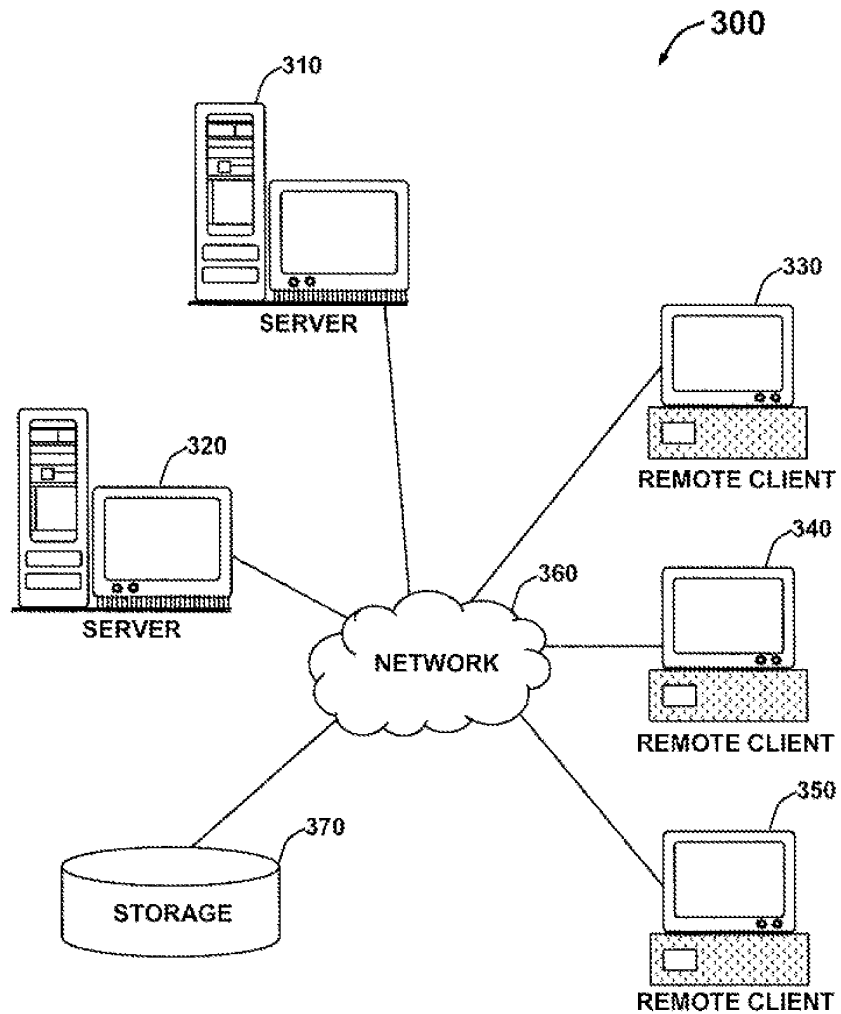


FIG. 4

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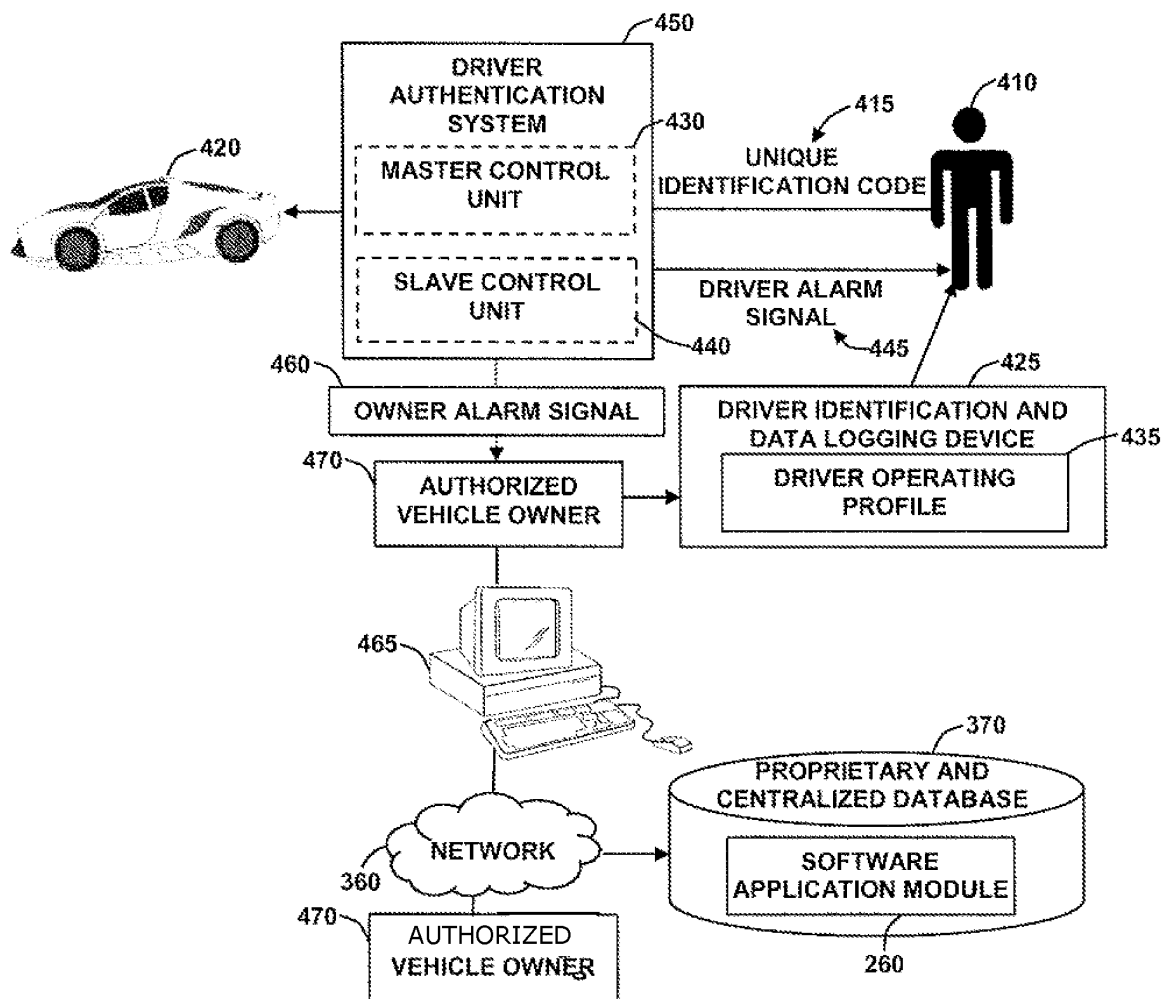


FIG. 5

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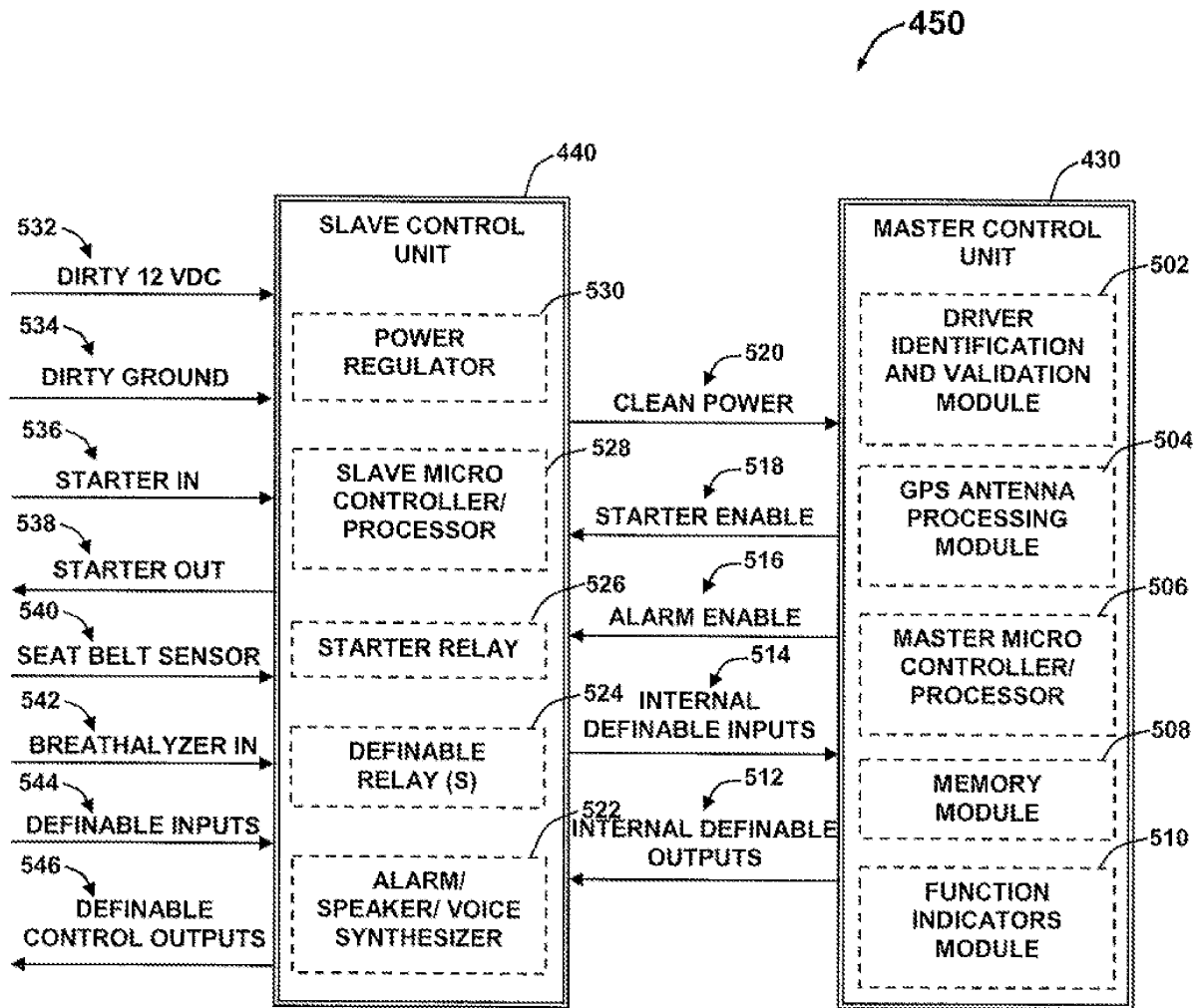


FIG. 6

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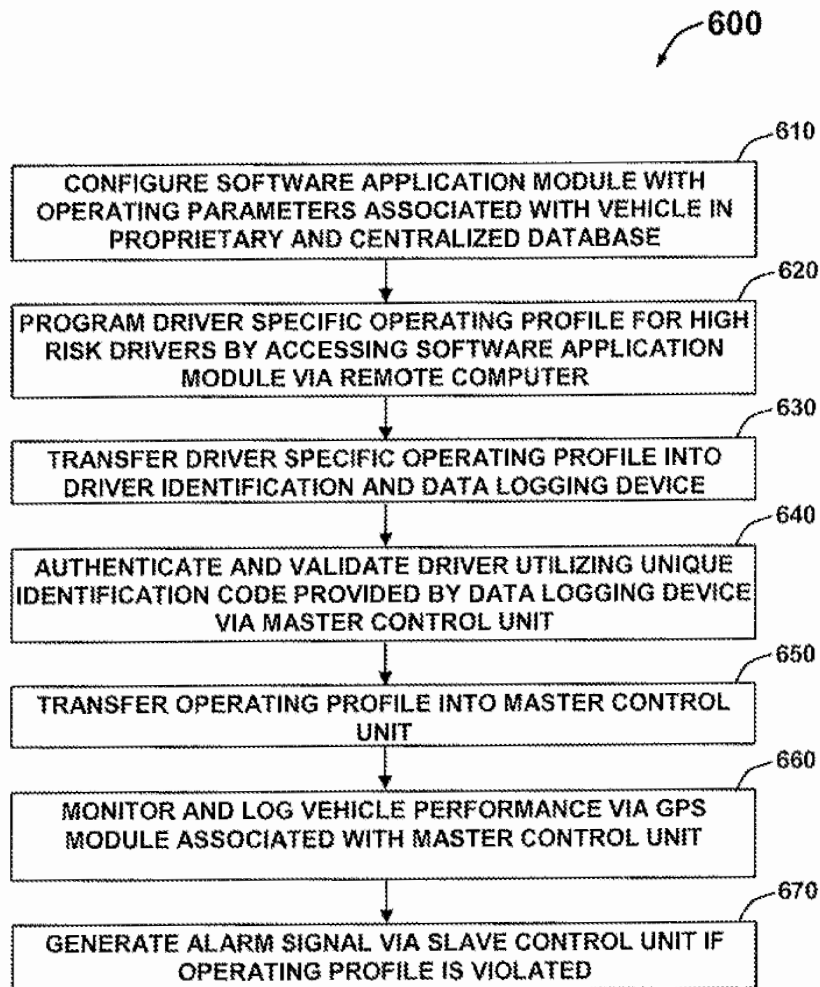


FIG. 7

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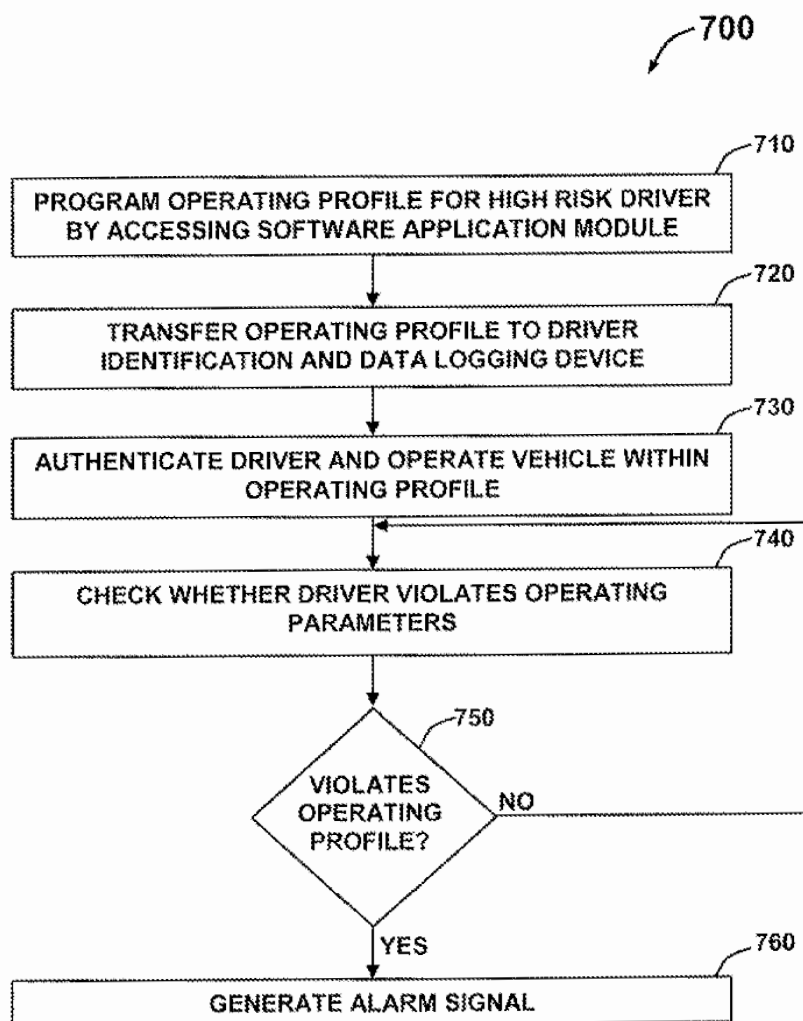


FIG. 8

Electronic Acknowledgement Receipt	
EFS ID:	31812522
Application Number:	15898322
International Application Number:	
Confirmation Number:	1084
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-C4
Receipt Date:	16-FEB-2018
Filing Date:	
Time Stamp:	11:00:27
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal of New Application	1000-1796-C4_Transmittal.pdf	296686	no	2
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Warnings:

Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	1000-1796-C4_IDS.pdf	613715	no	8
			0c0707f4352adb8afd15c3dc1b22a62e3aca76d9		
Warnings:					
Information:					
3	Application Data Sheet	1000-1796-C4_ADS.pdf	1286246	no	7
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Warnings:					
Information:					
4	Oath or Declaration filed	1000-1796-C1_Declaration.pdf	590292	no	2
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5		1000-1796-C4_FINAL.pdf	4092498	yes	24
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6	Drawings-only black and white line drawings	1000-1796-C4_Drwgs.pdf	579667	no	8
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Application Number

15/898,322

Filing Date

02/16/2018

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64064

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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)

02/16/2018

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 1 forms are submitted.

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Electronic Acknowledgement Receipt	
EFS ID:	31812651
Application Number:	15898322
International Application Number:	
Confirmation Number:	1084
Title of Invention:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
First Named Inventor/Applicant Name:	Michael Phelan
Correspondence Address:	OL Patents - P.O. BOX 4484 - ALBUQUERQUE NM 87196-4484 US 505-314-1310 docketing@olpatentlaw.com
Filer:	Kevin Lee Soules/Kemlyn Evans
Filer Authorized By:	Kevin Lee Soules
Attorney Docket Number:	1000-1796-C4
Receipt Date:	16-FEB-2018
Filing Date:	
Time Stamp:	11:08:12
Application Type:	Utility under 35 USC 111(a)

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Submitted with Payment	no
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File Listing:

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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	1000-1796-C4_POA.pdf	2596752 c16575dc0369341e3887ede8038abe813f00170e	no	1
Warnings:					
Information:					
Total Files Size (in bytes):			2596752		
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
15/898,322	02/16/2018	3661	0.00	1000-1796-C4	20	3

CONFIRMATION NO. 1084

FILING RECEIPT



000000098017328

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

Date Mailed: 03/15/2018

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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 Applications for which benefit is claimed - None.

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

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The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/898,322**

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING
VEHICLE USAGE

Preliminary Class

701

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

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 15/898,322				
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	75		N/A				
SEARCH FEE (37 CFR 1.16(k), (j), or (m))	N/A	N/A	N/A	330		N/A				
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	380		N/A				
TOTAL CLAIMS (37 CFR 1.16(i))	20	minus 20 = *	x 50 =	0.00	OR					
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3	minus 3 = *	x 230 =	0.00						
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00						
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00						
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL		TOTAL				
				785						
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	
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.										



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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/898,322	02/16/2018	Michael Phelan	1000-1796-C4

CONFIRMATION NO. 1084

FORMALITIES LETTER

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



Date Mailed: 03/15/2018

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

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

- The statutory basic filing fee is missing.
- The application search fee must be submitted.
- The application examination fee must be submitted.
- Surcharge as set forth in 37 CFR 1.16(f) must be submitted.

The surcharge is due for any one of:

- late submission of the basic filing fee, search fee, or examination fee,
- late submission of inventor's oath or declaration,
- filing an application that does not contain at least one claim on filing, or
- submission of an application filed by reference to a previously filed application.

SUMMARY OF FEES DUE:

The fee(s) required within **TWO MONTHS** from the date of this Notice to avoid abandonment is/are itemized below. Small entity discount is in effect. If applicant is qualified for micro entity status, an acceptable Certification of Micro Entity Status must be submitted to establish micro entity status. (See 37 CFR 1.29 and forms PTO/SB/15A and 15B.)

- \$ **75** basic filing fee.
- \$ **80** surcharge.
- \$ **330** search fee.
- \$ **380** examination fee.
- \$(**0**) previous unapplied payment amount.
- \$ **865** TOTAL FEE BALANCE DUE.

Items Required To Avoid Processing Delays:

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's

oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

- The ADS received on 02/16/2018 was not properly signed. Therefore, the Office will treat it only as a transmittal letter. See 37 CFR 1.76(e). Inventorship has not been set by this document and any foreign priority or domestic benefit claims contained therein are ineffective. See 37 CFR 1.55 or 37 CFR 1.78.

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

Replies should be mailed to:

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

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web, including a copy of this Notice and selecting the document description "Applicant response to Pre-Exam Formalities Notice".
<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

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

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

/megga/

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	15/898,322
	Filing Date	02/16/2018
	First Named Inventor	Michael Phelan
	Art Unit	
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	1000-1796-C4

ENCLOSURES (Check all that apply)		
☒ Fee Transmittal Form ☒ Fee Attached ☐ Amendment/Reply ☐ After Final ☐ Affidavits/declaration(s) ☐ Extension of Time Request ☐ Express Abandonment Request ☐ Information Disclosure Statement ☐ Certified Copy of Priority Document(s) ☐ Reply to Missing Parts/ Incomplete Application ☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53	☐ Drawing(s) ☐ Licensing-related Papers ☐ Petition ☐ Petition to Convert to a Provisional Application ☐ Power of Attorney, Revocation Change of Correspondence Address ☐ Terminal Disclaimer ☐ Request for Refund ☐ CD, Number of CD(s) _____ ☐ Landscape Table on CD	☐ After Allowance Communication to TC ☐ Appeal Communication to Board of Appeals and Interferences ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) ☐ Proprietary Information ☐ Status Letter ☐ Other Enclosure(s) (please identify below):
Remarks Fee submitted in response to "Notice to File Missing Parts of Nonprovisional Application" dated 3/15/2018		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	Ortiz & Lopez, PLLC	
Signature	/Kermit Lopez/	
Printed name	Kermit Lopez	
Date	05/14/2018	Reg. No. 41953

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or 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 on the date shown below:			
Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. 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 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, 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.

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 Patent Application Fee Transmittal				
Application Number:		15898322		
Filing Date:		16-Feb-2018		
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		
Attorney Docket Number:		1000-1796-C4		
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY FILING FEE (ELECTRONIC FILING)	4011	1	75	75
UTILITY SEARCH FEE	2111	1	330	330
UTILITY EXAMINATION FEE	2311	1	380	380
Pages:				
Claims:				
Miscellaneous-Filing:				
LATE FILING FEE FOR OATH OR DECLARATION	2051	1	80	80
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				865

Electronic Acknowledgement Receipt	
EFS ID:	32620300
Application Number:	15898322
International Application Number:	
Confirmation Number:	1084
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
Filer Authorized By:	
Attorney Docket Number:	1000-1796-C4
Receipt Date:	14-MAY-2018
Filing Date:	16-FEB-2018
Time Stamp:	18:33:52
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$865
RAM confirmation Number	051518INTEFSW18354800
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	Transmittal Letter	1000-1796C4_MissingParts_Reply.pdf	237565	no	2
			f975a8f25efe503f1937fa53040464e4c6c127cc		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	37205	no	2
			4d09d6c10db33612515579fa01791e9b3557a061		
Warnings:					
Information:					
Total Files Size (in bytes):			274770		
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.					



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United States Patent and Trademark Office
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
15/898,322	02/16/2018	3661	865	1000-1796-C4	20	3

CONFIRMATION NO. 1084
UPDATED FILING RECEIPT



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

Date Mailed: 05/17/2018

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

Inventor(s)

Michael Phelan, Santa Fe, NM;

Applicant(s)

Michael Phelan, Santa Fe, NM;

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

Domestic Applications for which benefit is claimed - None.

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: No

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 03/13/2018

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/898,322**

Projected Publication Date: 08/22/2019

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING
VEHICLE USAGE

Preliminary Class

701

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

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

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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

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

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



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UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/898,322	02/16/2018	Michael Phelan	1000-1796-C4

CONFIRMATION NO. 1084

64064

Ortiz & Lopez, PLLC

P.O. BOX 4484

ALBUQUERQUE, NM 87196-4484

INFORMAL NOTICE



OC000000099566333

Date Mailed: 05/17/2018

INFORMATIONAL NOTICE TO APPLICANT

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

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

- The ADS received on 05/14/2018 was not properly signed. Therefore, the Office will treat it only as a transmittal letter. See 37 CFR 1.76(e). Inventorship has not been set by this document and any foreign priority or domestic benefit claims contained therein are ineffective. See 37 CFR 1.55 or 37 CFR 1.78.

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

/zretta/

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 15/898,322				
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	75		N/A				
SEARCH FEE (37 CFR 1.16(k), (j), or (m))	N/A	N/A	N/A	330		N/A				
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	380		N/A				
TOTAL CLAIMS (37 CFR 1.16(i))	20	minus 20 = *	x 50 =	0.00	OR					
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3	minus 3 = *	x 230 =	0.00						
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00						
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00						
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL		TOTAL				
				785						
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	
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.										

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	15/898,322	
	Filing Date	02/16/2018	
	First Named Inventor	Michael Phelan	
	Art Unit	3661	
	Examiner Name		
Total Number of Pages in This Submission	7	Attorney Docket Number	1000-1796-C4

ENCLOSURES (Check all that apply)		
☐ Fee Transmittal Form ☐ Fee Attached ☐ Amendment/Reply ☐ After Final ☐ Affidavits/declaration(s) ☐ Extension of Time Request ☐ Express Abandonment Request ☐ Information Disclosure Statement ☐ Certified Copy of Priority Document(s) ☐ Reply to Missing Parts/ Incomplete Application ☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53	☐ Drawing(s) ☐ Licensing-related Papers ☐ Petition ☐ Petition to Convert to a Provisional Application ☐ Power of Attorney, Revocation Change of Correspondence Address ☐ Terminal Disclaimer ☐ Request for Refund ☐ CD, Number of CD(s) _____ ☐ Landscape Table on CD	☐ After Allowance Communication to TC ☐ Appeal Communication to Board of Appeals and Interferences ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) ☐ Proprietary Information ☐ Status Letter ☒ Other Enclosure(s) (please identify below): Request for Corrected Filing Receipt
Remarks		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	Ortiz & Lopez PLLC	
Signature	/Kevin Soules/	
Printed name	Kevin Soules	
Date	05/23/2018	Reg. No. 66,033

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or 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 on the date shown below:			
Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. 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 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, 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.

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.

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-C4
		Application Number	15/898,322
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	351 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-C4	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	8	Suggested Figure for Publication (if any)	
Filing By Reference :			

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1000-1796-C4
		Application Number	<u>15/898,322</u>
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	<u>64064</u>		

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	<u>Pending</u>	Remove			
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)		
	<u>Continuation of</u>	<u>14712124</u>	<u>2015-05-14</u>		
Prior Application Status	<u>Patented</u>	Remove			
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
<u>14712124</u>	<u>Continuation of</u>	<u>13858930</u>	<u>2013-04-08</u>	<u>9045101</u>	<u>2015-06-02</u>
Prior Application Status	<u>Patented</u>	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-C4		
		Application Number	15/898,322		
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)	Patent Number	Issue Date (YYYY-MM-DD)
13858930	Continuation of	12496509	2009-07-01	8417415	2013-04-09
Prior Application Status	Expired			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)		
12496509	Claims benefit of provisional	61077568	2008-07-02		
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.					Add

Foreign Priority Information:

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

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

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

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

NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Authorization to Permit Access:

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

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1000-1796-C4
		Application Number	<u>15/898,322</u>
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE		

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

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

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

Applicant Information:

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

Applicant	1			Remove
If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.				
Clear				
Assignee	Legal Representative under 35 U.S.C. 117		Joint Inventor	
Person to whom the inventor is obligated to assign.		Person who shows sufficient proprietary interest		
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:				
Name of the Deceased or Legally Incapacitated Inventor :				
If the Applicant is an Organization check here. ☐				
Prefix	Given Name	Middle Name	Family Name	Suffix

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1000-1796-C4
		Application Number	<u>15/898,322</u>
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.			Add

Assignee Information including Non-Applicant Assignee Information:

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

Assignee	1			
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.				
				Remove
If the Assignee or Non-Applicant Assignee is an Organization check here.				☐
Prefix	Given Name	Middle Name	Family Name	Suffix
Mailing Address Information For Assignee including Non-Applicant Assignee:				
Address 1				
Address 2				
City		State/Province		
Country		Postal Code		
Phone Number		Fax Number		
Email Address				
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.				Add

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-C4
		Application Number	<u>15/898,322</u>
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE		

Signature:

Remove

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

Signature	/Kevin Soules/			Date (YYYY-MM-DD)	~~2018-02-16~~ 2018-05-23
First Name	Kevin	Last Name	Soules	Registration Number	66033
Additional Signature may be generated within this form by selecting the Add button.					Add

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

Privacy Act Statement

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The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt	
EFS ID:	32708747
Application Number:	15898322
International Application Number:	
Confirmation Number:	1084
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
Filer Authorized By:	
Attorney Docket Number:	1000-1796-C4
Receipt Date:	23-MAY-2018
Filing Date:	16-FEB-2018
Time Stamp:	17:41:28
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Corrected Filing Receipt	20180523_Transmittal_1000-1796_C4.pdf	214694 a59e9a3c3c7e6c821713f9c83dda9d18613a24ae	no	2

Warnings:

Information:					
2	Application Data Sheet	20180523_Corrected_ADS_100-1796_C4.pdf	409808 cbcbaa4b366d1693e86d720da46c529855868ed5	no	7
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
Total Files Size (in bytes):			624502		
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.					



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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	TOT CLAIMS	IND CLAIMS
15/898,322	02/16/2018	3661	865	1000-1796-C4	20	3

CONFIRMATION NO. 1084
CORRECTED FILING RECEIPT

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



000000099833620

Date Mailed: 05/30/2018

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

Inventor(s)

Michael Phelan, Santa Fe, NM;

Applicant(s)

Michael Phelan, Santa Fe, NM;

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

Domestic Priority data as claimed by applicant

This application is a CON of 14/712,124 05/14/2015 PAT 9908508
which is a CON of 13/858,930 04/08/2013 PAT 9045101
which is a CON of 12/496,509 07/01/2009 PAT 8417415
which claims benefit of 61/077,568 07/02/2008

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: No

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 03/13/2018

page 1 of 3

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/898,322**

Projected Publication Date: 09/06/2018

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING
VEHICLE USAGE

Preliminary Class

701

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/898,322	02/16/2018	Michael Phelan	1000-1796-C4	1084
64064	7590	08/27/2018	EXAMINER	
Ortiz & Lopez, PLLC P.O. BOX 4484 ALBUQUERQUE, NM 87196-4484			DAGER, JONATHAN M	
			ART UNIT	PAPER NUMBER
			3663	
			NOTIFICATION DATE	DELIVERY MODE
			08/27/2018	ELECTRONIC

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

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

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

docketing@olpatentlaw.com
eofficeaction@appcoll.com
krukar@olpatentlaw.com

Continuation of Application Papers 11): 16 February 2018

DETAILED CORRESPONDENCE

Notice of Pre-AIA or AIA Status

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

Double Patenting

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

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP

§§ 706.02(l)(1) - 706.02(l)(3) for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

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

Claims 1-14 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-14 of U.S. Patent No. 9,908,508. Although the claims at issue are not identical, they are not patentably distinct from each other because the scope of claims 1-14 have already been encompassed by that of the patent.

Claims 1-20 are rejected on the ground of nonstatutory double patenting as being unpatentable over claim 1-20 of U.S. Patent No. 9,045,101. Although the claims at issue are not identical, they are not patentably distinct from each other because the scope of claims 1-20 have already been encompassed by that of the patent.

Claims 11-14 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1 and 16-18, respectively, of U.S. Patent No. 9,493,149. Although the claims at issue are not identical, they are not patentably distinct from each other because the scope of claims 11-14 have already been encompassed by that of the patent.

Claims 1-9 and 11-14 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-7 and 9-11 of U.S. Patent No. 8,417,415. Although the claims at issue are not identical, they are not patentably distinct from each other because the scope of claims 1-9 and 11-14 have already been encompassed by that of the patent.

Claim Objections

2. Claim 15 recites the limitation "the high profile driver" in the "authenticating" step. While the scope of the claim can be ascertained, there is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

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

A person shall be entitled to a patent unless –

(a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

Claims 15 and 17-20 are rejected under 35 U.S.C. 102(a)(1) as anticipated by Gratz (US 2007/0158128).

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

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

- Programming the driver authentication and monitoring system with an operating profile associated with a high risk driver (restriction profile created by parent for high risk driver, i.e. teenager; Gratz at 0002, 0035-0037).
- Authenticating the high risk driver (driver identified as authorized driver; Gratz at 0036).
- Enabling operation of the motor vehicle within limits of the operating profile by monitoring operation of the motor vehicle to determine if the high risk driver is violating the operating profile (monitoring driving behavior with respect to predefined driving limits; Gratz at 0037).
- Governing mechanical operations of the vehicle remotely if the high profile driver violates the operating profile (parent governs vehicle usage remotely in an override situation; Gratz at 0049).

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

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

Claim Rejections - 35 USC § 103

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

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

Claim 16 is rejected under 35 U.S.C. 103 as being unpatentable over Gratz, as applied above, and further in view of McClellan (US 2008/0319602).

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

McClellan, in a similar invention in the same field of endeavor, teaches obtaining speed data from GPS data taken over a time period (McClellan at 0027).

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

Conclusion

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

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Angela Ortiz can be reached on 571-272-1206. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/JONATHAN M DAGER/
Primary Examiner, Art Unit 3663
21 August 2018

<i>Notice of References Cited</i>	Application/Control No. 15/898,322		Applicant(s)/Patent Under Reexamination	
	Examiner JONATHAN M DAGER		Art Unit 3663	Page 1 of 4

U.S. PATENT DOCUMENTS

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

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

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	Examiner JONATHAN M DAGER		Art Unit 3663	Page 2 of 4

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20070129056-A1	06-2007	Cheng; Russel	G06Q30/02	455/405
*	B	US-20070155368-A1	07-2007	Phelan; James Daniel	H04W8/245	455/412.1
*	C	US-20070158128-A1	07-2007	Gratz; Rosemarie M.	B60R25/1004	180/287
*	D	US-20070200663-A1	08-2007	White; Steve	A61B5/117	340/5.31
*	E	US-20080039998-A1	02-2008	Fein; Gene	B60R16/037	701/36
*	F	US-20080269979-A1	10-2008	Hermann; Thomas	H04L41/082	701/29.6
*	G	US-20080319602-A1	12-2008	McClellan; Scott	G07C5/008	701/31.4
*	H	US-20090024273-A1	01-2009	Follmer; Todd	G06Q10/10	701/33.4
*	I	US-20090027177-A1	01-2009	Hodder; David John	B60R25/04	340/426.12
*	J	US-20090030770-A1	01-2009	Hersh; Richard	G06Q10/06311	705/7.13
*	K	US-20090069954-A1	03-2009	ALADESUJI; Kayode	B60R25/102	701/2
*	L	US-20090079555-A1	03-2009	Aguirre De Carcer; Giadha	G07C5/008	340/441
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	Examiner JONATHAN M DAGER		Art Unit 3663	Page 3 of 4

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*	A	US-20100045452-A1	02-2010	Periwal; Neeraj	B60Q9/00	340/439
*	B	US-20100087986-A1	04-2010	LAL; DHANANJAY	B60R16/023	701/36
*	C	US-20100161171-A1	06-2010	Valentine; Eric Lee	B22D11/12	701/31.4
*	D	US-20140358376-A1	12-2014	Phelan; Michael	B60W10/18	701/41
*	E	US-20150350750-A1	12-2015	YUN; Doo Seop	H04Q9/00	340/870.07
*	F	US-20160001715-A1	01-2016	Laifenfeld; Moshe	B60R16/023	701/32.7
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*	I	US-6430488-B1	08-2002	Goldman; Kenneth Alan	B60R25/00	307/10.1
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*	K	US-8131441-B2	03-2012	Nallapa; Venkatapathi Raju	B60W30/188	701/87
*	L	US-8258939-B2	09-2012	Miller; Thomas Lee	B60R25/00	340/301
*	M	US-8463488-B1	06-2013	Hart; Paul	G07C5/008	340/576

FOREIGN PATENT DOCUMENTS

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	Examiner JONATHAN M DAGER		Art Unit 3663	Page 4 of 4

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-8751105-B2	06-2014	Whelan; Rene A.	B60W50/0098	180/268
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Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

<i>Search Notes</i> 	Application/Control No. 15/898,322	Applicant(s)/Patent Under Reexamination Phelan, Michael
	Examiner JONATHAN M DAGER	Art Unit 3663

CPC - Searched*		
Symbol	Date	Examiner

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
REVIEW OF PARENT	08/21/2018	JD
ASSIGNEE	08/21/2018	JD
INVENTOR	08/21/2018	JD
KEYWORD	08/21/2018	JD
CITATION OF BEST PRIOR ART	08/21/2018	JD

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

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	"9045101".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/21 09:11
L4	2	"9493149"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/21 09:12
L5	7	"13858930"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/21 09:14
L6	2	"9493149"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/21 09:15
L11	3	"14464188"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/21 09:44
L12	8	"12496509"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/21 09:53
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 (authentikat\$4 or biometric or	US-PGPUB;	OR	ON	2011/09/30 14:30

		keyword or password or code or identify\$4 or identification))	USPAT; FPRS; EPO; JPO; DERWENT			
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 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 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 14:41
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;	OR	ON	2011/10/03 09:57

			USPAT; FPRS; EPO; JPO; DERWENT			
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- 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;	OR	OFF	2012/03/05 13:32

			USPAT; USOCR; EPO; JPO; DERWENT			
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"	US- PGPUB; USPAT; USOCR	OR	OFF	2012/03/05 17:17

		"6064970" "6067489" "6438472" "6473000" "6636790" "6771176").PN. OR ("6931309").URPN.				
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;	OR	OFF	2012/09/25 15:15

			USOCR			
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-\$	US-PGPUB; USPAT	OR	OFF	2012/09/25 19:46

		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.				
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-	OR	ON	2014/08/29

			PGPUB; USPAT; EPO; JPO			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-20090027177-\$ or US-20100004818-\$).did. or (US-6430488-\$ or US-8258939-\$ or US-7956730-\$ or US-6741920-\$ or US-5481253-\$ or US-8751105-\$ or US-8751104-\$ or US-8463488-\$).did.	US-PGPUB; USPAT	OR	ON	2015/06/19 11:51
S82	7	S81 and pin	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 11:51
S83	20	S81 and (pin or code)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 11:51
S84	6	"11742091"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 12:02
S85	74	("20020049538" "20020096572" "20020135466" "20030078709" "20030181822" "20040010358" "20040019416" "20040085189" "20040092253" "20040124968" "20040158373" "20040225557" "20050030184" "20050134477" "20050137757" "20050159853" "20050182538" "20050216144" "20050237150" "20050288837" "20060001523" "20060047419" "20060049962" "20060106515" "20060111817" "20060122749"	US-PGPUB; USPAT; USOCR	OR	ON	2015/06/19 12:03

		"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.				
S86	13	("20030204290" "20060066149" "20070046425" "20070143482" "20080093445" "20080255722" "20090069954" "20100004818" "20100045452" "20110254655" "7548491").PN. OR ("8463488").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2015/06/19 12:07
S87	2	"20030231550"	US- PGPUB; USPAT; USOCR	OR	ON	2015/06/19 12:16
S88	35	(US-20090079555-\$ or US- 20090069954-\$ or US-20090030770-\$ or US-20090024273-\$ or US- 20080319602-\$ or US-20080245598-\$ or US-20060047419-\$ or US- 20060212195-\$ or US-20090189736-\$ or US-20070158128-\$ or US- 20060200008-\$ or US-20070082706-\$ or US-20060122749-\$ or US- 20060111817-\$ or US-20060106515-\$ or US-20050182538-\$ or US- 20050137757-\$ or US-20040225557-\$ or US-20020049538-\$ or US- 20090027177-\$ or US-20100004818-\$ or US-20080269979-\$ or US- 20100161171-\$ or US-20100045452-\$ or US-20060066149-\$ or US- 20030204290-\$.did. or (US- 20030231550-\$.did. or (US-6430488- \$ or US-8258939-\$ or US-7956730-\$ or US-6741920-\$ or US-5481253-\$ or US-8751105-\$ or US-8751104-\$ or US- 8463488-\$.did.	US- PGPUB; USPAT	OR	ON	2015/06/19 12:18
S89	8	S81 and ((alcohol or drinking or inebriat\$4 or impair) with (driver or user))	US- PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 12:19
S90	7	S89 and (vehicle same (location or gps) same speed)	US- PGPUB; USPAT;	OR	ON	2015/06/19 12:19

			EPO; JPO			
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 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"	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:10

		"20120291537" "20130029624" "20140073243" "20140163751" "5833025" "6091362" "6369923" "7164117" "8050318").PN. OR ("9227579").URPN.				
S101	31	("20030186652" "20050090953" "20050273211" "20080039998" "6078252" "6177867" "6195602" "6480144" "7005972" "7084748" "7099751" "7177743" "7603214" "7689327").PN. OR ("8229625").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:11
S102	2	"20040064221"	US- PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:19
S103	45	(US-20090079555-\$ or US- 20090069954-\$ or US-20090030770-\$ or US-20090024273-\$ or US- 20080319602-\$ or US-20080245598-\$ or US-20060047419-\$ or US- 20060212195-\$ or US-20090189736-\$ or US-20070158128-\$ or US- 20060200008-\$ or US-20070082706-\$ or US-20060122749-\$ or US- 20060111817-\$ or US-20060106515-\$ or US-20050182538-\$ or US- 20050137757-\$ or US-20040225557-\$ or US-20020049538-\$ or US- 20090027177-\$ or US-20080269979-\$ or US-20100161171-\$ or US- 20100045452-\$ or US-20060066149-\$ or US-20030204290-\$ or US- 20030231550-\$.did. or (US- 20070200663-\$ or US-20050288837-\$ or US-20050237150-\$ or US- 20030181822-\$ or US-20160001718-\$ or US-20160001715-\$ or US- 20150350750-\$ or US-20100087986-\$ or US-20080039998-\$ or US- 20040064221-\$.did. or (US-6430488- \$ or US-8258939-\$ or US-7956730-\$ or US-6741920-\$ or US-5481253-\$ or US-8751105-\$ or US-8751104-\$ or US- 8463488-\$ or US-8131441-\$.did.	US- PGPUB; USPAT	OR	ON	2016/03/02 11:40
S104	3	S103 and ((inhibit\$4 or restrict\$4) with (phone or cellular))	US- PGPUB; USPAT; EPO; JPO	OR	ON	2016/03/02 11:41
S105	22	("20020078726" "20030169163" "20050200466" "20080245598" "20090195376" "20090198413" "20090312901" "20090312902" "20100004818" "20110082625" "20110137520" "6198996" "6278358" "6362734" "6501374" "6507779" "6806810" "7868750" "8421589" "8527146").PN. OR ("8751105").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:42
S106	1	"20120283911"	US- PGPUB; USPAT;	OR	ON	2016/03/04 10:00

			EPO; JPO			
S107	37	phelan.in. and (unique with code)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2016/06/20 10:44
S109	6	"12496509"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2017/02/13 11:20
S110	7785	vehicle same parent\$4 same control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2017/02/14 11:53
S111	95	phelan.in. and vehicle and radio and (identif\$4 or identification)	US-PGPUB; USPAT; USOCR	OR	OFF	2017/02/14 11:54
S112	23	phelan.in. and (unique with code) and driver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2017/02/14 11:54
S115	1	"8417415".PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2017/06/01 10:34
S116	6	"13858930"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2017/06/01 10:36
S117	48	(US-20090079555-\$ or US-20090069954-\$ or US-20090030770-\$ or US-20090024273-\$ or US-20080319602-\$ or US-20080245598-\$ or US-20060047419-\$ or US-20060212195-\$ or US-20090189736-\$ or US-20070158128-\$ or US-20060200008-\$ or US-20070082706-\$ or US-20060122749-\$ or US-20060111817-\$ or US-20060106515-\$ or US-20050182538-\$ or US-20050137757-\$ or US-20040225557-\$ or US-20020049538-\$ or US-20090027177-\$ or US-20080269979-\$ or US-20100161171-\$ or US-20100045452-\$ or US-20060066149-\$ or US-20030204290-\$ or US-20030231550-\$).did. or (US-20070200663-\$ or US-20050288837-\$ or US-20050237150-\$ or US-20030181822-\$ or US-20160001718-\$ or US-20160001715-\$ or US-20150350750-\$ or US-20100087986-\$ or US-20080039998-\$ or US-20040064221-\$ or US-20070155368-\$ or US-20070129056-\$ or US-	US-PGPUB; USPAT	OR	ON	2017/06/01 11:08

		20140358376-\$.did. or (US-6430488-\$ or US-8258939-\$ or US-7956730-\$ or US-6741920-\$ or US-5481253-\$ or US-8751105-\$ or US-8751104-\$ or US-8463488-\$ or US-8131441-\$.did.				
S118	12	S117 and (vehicle same (speed with gps))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2017/06/01 11:08
S119	36	phelan.in. and (unique with code)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2017/06/01 11:31
S120	48	(US-20090079555-\$ or US-20090069954-\$ or US-20090030770-\$ or US-20090024273-\$ or US-20080319602-\$ or US-20080245598-\$ or US-20060047419-\$ or US-20060212195-\$ or US-20090189736-\$ or US-20070158128-\$ or US-20060200008-\$ or US-20070082706-\$ or US-20060122749-\$ or US-20060111817-\$ or US-20060106515-\$ or US-20050182538-\$ or US-20050137757-\$ or US-20040225557-\$ or US-20020049538-\$ or US-20090027177-\$ or US-20080269979-\$ or US-20100161171-\$ or US-20100045452-\$ or US-20060066149-\$ or US-20030204290-\$ or US-20030231550-\$.did. or (US-20070200663-\$ or US-20050288837-\$ or US-20050237150-\$ or US-20030181822-\$ or US-20160001718-\$ or US-20160001715-\$ or US-20150350750-\$ or US-20100087986-\$ or US-20080039998-\$ or US-20040064221-\$ or US-20070155368-\$ or US-20070129056-\$ or US-20140358376-\$.did. or (US-6430488-\$ or US-8258939-\$ or US-7956730-\$ or US-6741920-\$ or US-5481253-\$ or US-8751105-\$ or US-8751104-\$ or US-8463488-\$ or US-8131441-\$.did.	US-PGPUB; USPAT	OR	ON	2017/06/01 11:39
S121	58	("2004/0225557").URPN.	USPAT	OR	ON	2017/08/02 11:29
S126	2	"14712124"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/16 11:04
S127	7	"13858930"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/16 11:05
S128	1	"8417415".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/16 11:12

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S108	33	phelan.in. and (unique with code)	US-PGPUB; USPAT	OR	ON	2016/06/20 10:51
S113	34	phelan.in. and (unique with code)	US-PGPUB; USPAT	OR	ON	2017/02/14 11:39
S114	0	("2014/0358376").URPN.	USPAT	OR	ON	2017/02/14 11:47
S122	37	phelan.in. and (unique with code)	US-PGPUB; USPAT	OR	ON	2017/10/18 11:50
S123	8	S122 and profile	US-PGPUB; USPAT	OR	ON	2017/10/18 11:50
S124	0	("2017/0106877").URPN.	USPAT	OR	ON	2017/10/18 11:52
S125	31	("20020049538" "20040225557" "20050137757" "20050182538" "20060047419" "20060106515" "20060111817" "20060122749" "20060200008" "20060212195" "20070082706" "20070158128" "20080245598" "20080319602" "20090024273" "20090027177" "20090030770" "20090069954" "20090079555" "20090189736" "20100004818" "5481253" "6430488" "6741920" "7956730" "8258939" "8463488" "8751104" "8751105").PN. OR ("9045101").URPN.	US-PGPUB; USPAT	OR	ON	2017/10/18 11:52

8/ 21/ 2018 9:59:01 AM**C:\ Users\ jdager\ Desktop\ patent searches\ phelan\ 15898322 16 august 2018.wsp**

Receipt date: 02/16/2018

15/898,322 - GAU: 3663

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PTO/SB/08a (01-10)

Approved for use through 07/31/2012. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	
	Filing Date	
	First Named Inventor	Michael Phelan
	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	1000-1796-C4

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	5481253		1996-01-02	Phelan et al.	
	2	6430488	B1	2002-08-06	Goldman et al.	
	3	6741920	B1	2004-05-25	Otto	
	4	7956730	B2	2011-06-07	White et al.	
	5	8131441	B2	2012-03-06	Nallapa et al.	
	6	8258939	B2	2012-09-04	Miller et al.	
	7	8463488	B1	2013-06-11	Hart	
	8	8751104	B2	2014-06-10	Hermann et al.	

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Application Number		
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	9	8751105	B2	2014-06-10	Whelan et al.	
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	1	20020049538	A1	2002-04-25	Knapton et al.	
	2	20030181822	A1	2003-09-25	Victor	
	3	20030204290	A1	2003-10-30	Sadler et al.	
	4	20030231550	A1	2003-12-18	Macfarlane	
	5	20040064221	A1	2004-04-01	DePrez et al.	
	6	20040225557	A1	2004-11-11	Phelan et al.	
	7	20050137757	A1	2005-06-23	Phelan et al.	
	8	20050182538	A1	2005-08-18	Phelan et al.	

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Attorney Docket Number	1000-1796-C4	

9	20050237150	A1	2005-10-27	Sun et al.	
10	20050288837	A1	2005-12-29	Wiegand et al.	
11	20060047419	A1	2006-03-02	Diendorf et al.	
12	20060066149	A1	2006-03-30	Holloway et al.	
13	20060106515	A1	2006-05-18	Phelan et al.	
14	20060111817	A1	2006-05-25	Phelan et al.	
15	20060122749	A1	2006-06-08	Phelan et al.	
16	20060212195	A1	2006-09-21	Veith et al.	
17	20070082706	A1	2007-04-12	Campbell et al.	
18	20070129056	A1	2007-06-07	Cheng et al.	
19	20070155368	A1	2007-07-05	Phelan	

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20	20070158128	A1	2007-07-12	Gratz et al.	
21	20070200663	A1	2007-08-30	White et al.	
22	20080039998	A1	2008-02-14	Fein et al.	
23	20080245598	A1	2008-10-09	Gratz et al.	
24	20080269979	A1	2008-10-30	Hermann et al.	
25	20080319602	A1	2008-12-25	McClellan et al.	
26	20090024273	A1	2009-01-22	Follmer et al.	
27	20090027177	A1	2009-01-29	Hodder	
28	20090069954	A1	2009-01-29	Hersh et al.	
29	20090079555	A1	2009-03-26	Aguirre De Carcer et al.	
30	20090189736	A1	2009-07-30	Hayashi	

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Attorney Docket Number	1000-1796-C4	

31	20100004818	A1	2010-01-07	Phelan	
32	20100045452	A1	2010-02-25	Periwal	
33	20100087986	A1	2010-04-08	Lal et al.	
34	20100161171	A1	2010-06-24	Valentine et al.	
35	20140358376	A1	2014-12-04	Phelan	
36	20150350750	A1	2015-12-03	Yun et al.	
37	20160001715	A1	2016-01-07	Laifenfeld et al.	
38	20160001718	A1	2016-01-07	Laifenfeld et al.	

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See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

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A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/KEVIN SOULES/	Date (YYYY-MM-DD)	2018-02-16
Name/Print	Kevin Soules	Registration Number	66033

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/898,322	02/16/2018	Michael Phelan	1000-1796-C4

CONFIRMATION NO. 1084

64064

Ortiz & Lopez, PLLC

P.O. BOX 4484

ALBUQUERQUE, NM 87196-4484

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OC000000102114279

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

Publication No. US-2018-0251132-A1

Publication Date: 09/06/2018

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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
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Correspondent Name:	LUIS M. ORTIZ
Address Line 1:	117 BRYN MAWR DRIVE SE
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PATENT ASSIGNMENT

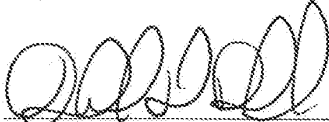
WHEREAS, I, Michael D. Phelan, citizen of the United States, have invented certain new and useful improvements in monitoring and controlling vehicle usage represented by issued patent nos. 8,417,415, 9,045,101, 9,493,149, 9,908,508, and pending patent application serial nos. 15/336,110 and 15/898,322,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

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

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

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

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



Michael D. Phelan

27 May 2016

Date

CORRECTED ADS FORM

Application Number	15898322
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE

Inventor Information

****If no data is shown, no data has been corrected****

	Data of Record	Updated Data
Order Number		
Name		

Residence Information

Residency		
City		
State		
Country of Residence		

Mailing Address of Inventor

Address 1		
Address 2		
City,State/Province, Postal Code		
Country		

Application Information

	Data of Record	Updated Data
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE	
Attorney Docket Number	1000-1796-C4	
Entity Type	Small	

Domestic Benefit/National Stage Information

****If no data is shown, no data has been corrected****

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121,365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S. C. 119(e) or 120, and 37 CFR 1.78(a).

	Data of Record	Updated Data
Prior Application Status		
Application Number		
Continuity Type		
Prior Application Number		
Filing Date (YYYY-MM-DD)		
Patent Number		
Issue Date (YYYY-MM-DD)		

Foreign Priority Information

****If no data is shown, no data has been corrected****

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

	Data of Record	Updated Data
Application Number		
Country		
Filing Date		
Access Code		

Applicant Information

****If no data is shown, no data has been corrected****

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

	Data of Record	Updated Data
Applicant Type		<u>ASG</u>
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is		
Name of the Deceased or Legally Incapacitated Inventor		
Applicant is an Organization		<u>Yes</u>
Name		
Organization Name		<u>THE PHELAN GROUP, LLC</u>
Address 1		<u>851 Camino Francisca</u>
Address 2		

City,State/Province,Postal Code		<u>Santa Fe NM 87506</u>
Country		<u>US</u>
Phone Number		
Fax Number		
Email Address		

Assignee Information including Non-Applicant Assignee Information

****If no data is shown, no data has been corrected****

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

	Data of Record	Updated Data
Order		
Applicant is an Organization		
Name		
Organization Name		

Mailing Address

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

Signature

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b).

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Kermit D. Lopez/	Registration Number	41953
First Name	Kermit	Last Name	Lopez

STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: The Phelan Group, LLC
Application No./Patent No.: 15/898,322 Filed/Issue Date: 02-16-2018
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:	34202827
Application Number:	15898322
International Application Number:	
Confirmation Number:	1084
Title of Invention:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
First Named Inventor/Applicant Name:	
Customer Number:	64064
Filer:	Kermit Dean Lopez/Kathleen Smith
Filer Authorized By:	Kermit Dean Lopez
Attorney Docket Number:	1000-1796-C4
Receipt Date:	05-NOV-2018
Filing Date:	16-FEB-2018
Time Stamp:	15:54:15
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet to update/ correct info	CorrectedADS.pdf	65427	no	5
			dc0961f0c941c225cc86b27acb8b4557b180a900		

Warnings:

Information:					
2	Assignee showing of ownership per 37 CFR 3.73	PHELAN-1001CON4_373c.pdf	93087	no	3
			e313b73fb022e3dd2e4bb5060c1bd415c86a3ec1		
Warnings:					
Information:					
Total Files Size (in bytes):			158514		
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.					

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	15/898,322
Filing Date	February 16, 2018
First Named Inventor	Michael Phelan
Title	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
Art Unit	3663
Examiner Name	Jonathan M. Dager
Attorney Docket Number	PHELAN-1001CON4

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.

Electronic Acknowledgement Receipt	
EFS ID:	34213772
Application Number:	15898322
International Application Number:	
Confirmation Number:	1084
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-C4
Receipt Date:	05-NOV-2018
Filing Date:	16-FEB-2018
Time Stamp:	15:57:08
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	PHELAN-1001CON4_ExecutedP OA.pdf	944126 302022621210f4aca1e5b26df6e850b6649 362bd	no	2

Warnings:

Information:	
Total Files Size (in bytes):	944126
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 NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/898,322	02/16/2018	Michael Phelan	1000-1796-C4

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

CONFIRMATION NO. 1084
POWER OF ATTORNEY NOTICE



Date Mailed: 11/13/2018

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 applicant. 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.

/byemane/



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
15/898,322	02/16/2018	Michael Phelan	1000-1796-C4

CONFIRMATION NO. 1084

POA ACCEPTANCE LETTER

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



Date Mailed: 11/13/2018

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.

/byemanc/



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
15/898,322	02/16/2018	3663	865	1000-1796-C4	20	3

CONFIRMATION NO. 1084
CORRECTED FILING RECEIPT



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

Date Mailed: 11/13/2018

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

Inventor(s)

Michael Phelan, Santa Fe, NM;

Applicant(s)

THE PHELAN GROUP, LLC, Santa Fe, NM;

Power of Attorney: The patent practitioners associated with Customer Number 141361

Domestic Priority data as claimed by applicant

This application is a CON of 14/712,124 05/14/2015 PAT 9908508
which is a CON of 13/858,930 04/08/2013 PAT 9045101
which is a CON of 12/496,509 07/01/2009 PAT 8417415
which claims benefit of 61/077,568 07/02/2008

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: No

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 03/13/2018

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/898,322**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING
VEHICLE USAGE

Preliminary Class

701

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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PATENT APPLICATION FEE DETERMINATION RECORD				Application or Docket Number		Filing Date		☐ To be Mailed	
Substitute for Form PTO-875				15/898,322		02/16/2018			
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), (i), or (m))	N/A	N/A		N/A					
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A					
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		X \$ =					
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		X \$ =					
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).								
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))									
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL					
APPLICATION AS AMENDED – PART II									
(Column 1)		(Column 2)		(Column 3)					
AMENDMENT	11/15/2018	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	X \$50 =		0	
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X \$230 =		0	
	☐ Application Size Fee (37 CFR 1.16(s))								
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								
TOTAL ADD'L FEE						0			
(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.**

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Electronic Acknowledgement Receipt	
EFS ID:	34324363
Application Number:	15898322
International Application Number:	
Confirmation Number:	1084
Title of Invention:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
First Named Inventor/Applicant Name:	Michael Phelan
Customer Number:	141361
Filer:	Kermit Dean Lopez/Shirley Hsu
Filer Authorized By:	Kermit Dean Lopez
Attorney Docket Number:	PHELAN-1001CON4
Receipt Date:	15-NOV-2018
Filing Date:	16-FEB-2018
Time Stamp:	16:41:26
Application Type:	Utility under 35 USC 111(a)

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Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment/Req. Reconsideration-After Non-Final Reject	PHELAN-1001CON4_Reply_No v2018.pdf	114890 5f0f03de7651ce9603adeab270e54ee7a2d1714c	no	15

Warnings:

Information:	
Total Files Size (in bytes):	114890
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	Michael Phelan	EXAMINER:	Jonathan M. Dager
SERIAL NO.:	15/898,322	GROUP:	3663
FILED:	02/16/2018	ATTY DKT NO.:	PHELAN-1001CON4
TITLE:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE		

Please forward all correspondence to:

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

AMENDMENTS AND REPLY TO NON-FINAL ACTION
AND
REQUEST FOR RECONSIDERATION

Dear Examiner:

In response to the non-final Office Action (the "*Office Action*") dated August 27, 2018 in the above captioned matter, please enter the following amendments and remarks:

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

Remarks begin on Page 8 of this Paper.

This reply is being filed within three (3) months of the August 27, 2018 date of the Office Action.

A Terminal Disclaimer is included with this response, including the Terminal Disclaimer fee of \$160.

CLAIM AMENDMENTS

Please amend claims 1, 6, 7, 12, 15-20 as follows:

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

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

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

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

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

4. (Original) The driver authentication and monitoring system of claim 1, further comprising: a GPS module; a memory module; and a function indicator module.

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

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

7. (Currently Amended) The driver authentication and monitoring system of claim 1, wherein the slave control unit further comprises:

- a power regulator module;
- a starter relay module;
- a definable relay module;
- a slave microcontroller; and
- an alarm synthesizer.

8. (Original) The driver authentication and monitoring system of claim 2, wherein the at least one operating parameter comprises at least one of:

- a maximum allowable vehicle speed;
- an allowable vehicle location;
- allowable hours of operation; and
- seatbelt usage.

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

10. (Original) The driver authentication and monitoring system of claim 1, wherein the driver identification interface comprises at least one of: a portable handheld device; a radio frequency identification device; and a USB compatible device.

11. (Original) A driver authentication and monitoring system, comprising:

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

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

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

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

slave control unit cooperates with the at least one computer to control operation of the vehicle based on commands received from the master control unit; wherein the master control unit permits the at least one driver to operate the vehicle within an operating profile if the master control unit receives at least one of a unique identification code to permit the at least one driver to operate the vehicle within an operating profile and the at least one driver has not violated the operating profile.

12. (Currently Amended) The driver authentication and monitoring system of claim 11, wherein the slave control unit further comprises:

- a power regulator module;
- a starter relay module;
- a definable relay module;
- a slave microcontroller; and
- an alarm synthesizer.

13. (Original) The driver authentication and monitoring system of claim 11, wherein the operating profile comprises at least one operating parameter including at least one of:

- a maximum allowable vehicle speed;
- an allowable vehicle location;
- allowable hours of operation; and
- seatbelt usage.

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

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

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

programming the driver authentication and monitoring system with an operating profile associated with a high risk driver, said operating profile maintained by a data logging device;

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

recording with the data logging device, data indicative of the operation of the motor vehicle by the high risk driver, said data including a speed and a location of the motor vehicle;

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

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

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

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

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

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

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

REMARKS

I. Claim Objections

In the Office Action of August 27, 2018, the Examiner objected to claim 15 because the claim recites "the high profile driver" in the "authentication" step. The Examiner asserted that while the scope of the claim can be ascertained, there is insufficient antecedent basis for this limitation in the claim. The Applicant notes that claim 15 has been amended herein to refer to "the high risk driver" rather than "the high profile driver". As a result of this amendment, the Applicant submits that the objection to claim 15 is traversed. The Applicant respectfully requests withdrawal of the aforementioned objection to claim 15.

II. Double Patenting

In the Office Action of August 27, 2018, the Examiner rejected claims 1-14 on the ground of nonstatutory double patenting as being unpatentable over claims 1-14 of U.S. Patent No. 9,908,508. The Examiner contends that although the claims at issue are not identical, they are not patentably distinct from each other because the scope of claims 1-4 have already been encompassed by that of the patent.

In the Office Action of August 27, 2018, the Examiner also rejected claims 1-20 over claims 1-20 of U.S. Patent No. 9,045,101. The Examiner contends that although the claims at issue are not identically, the Examiner asserted that they are not patentably distinct from each other because the scope of claims 1-20 have already been encompassed by that of the patent.

In the Office Action of August 27, 2018, the Examiner rejected claims 11-14 on the ground of nonstatutory double patenting as being unpatentable over claims 1 and 16-18, respectively, of U.S. Patent No. 9,493,149. The Examiner asserts that although the claims at issue are not identical, they are not patentably distinct from each other because the scope of claims 11-14 have already been encompassed by that of the patent.

In the Office Action of August 27, 2018, the Examiner rejected claims 1-9 and 11-14 on the ground of nonstatutory double patenting as being unpatentable over claims 1-7 and 9-11 of U.S. Patent No. 8,417,415. The Examiner argued that although the claims at issue are not identical, they are not patentably distinct from each other because the scope of claims 1-9 and 11-14 have already been encompassed by that of the patent.

The Examiner noted that a timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided that the reference application or patent either is shown to be commonly owned with the examined application, or the claims an invention made as a result of activities undertaken with the scope of a joint research agreement.

The Applicant is submitting a terminal disclaimer with this response. The Applicant submits that given this terminal disclaimer, the aforementioned double patenting rejection is traversed. The Applicant respectfully requests withdrawal of the double patenting rejection.

III. Claim Rejections – 35 U.S.C. § 102

Requirements for Prima Facie Anticipation

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

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

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

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

Gratz

In the Office Action of August 27, 2018, claims 15 and 17-20 were rejected under 35 U.S.C. 102(a)(1) as anticipated by Gratz (US Patent Application Publication No. 2007/0158128).

Regarding claim 15, the Examiner contends that Gratz discloses a method of authenticating and monitoring drivers (in support of this assessment, the Examiner argued -- *identifying and monitoring the driving behavior, e.g. speed or location, of authorized vehicle users*; and also referred to Gratz at [0008]-[0010]), comprising:

providing a motor vehicle with a driver authentication and monitoring system (in support of this assessment, the Examiner argued -- *motor vehicle restriction control system includes driver identification and monitoring means*; and referred to Gratz at Fig. 1, [0027], [0029]);

programming the driver authentication and monitoring system with an operating profile associated with a high risk driver (in support of this assessment, the Examiner argued -- *restriction profile created by parent for high risk driver, i.e. teenager*; and referred to Gratz at [0002], [0035]-[0037]);

authenticating the high risk driver (in support of this assessment, the Examiner argued -- *driver identified as authorized driver*; and referred to Gratz at [0036]);

enabling operation of the motor vehicle within limits of the operating profile by monitoring operation of the motor vehicle to determine if the high risk driver is violating the operating profile (in support of this assessment, the Examiner argued -- *monitoring driving behavior with respect to predefined driving limits*; and referred to Gratz at [0037]); and

governing mechanical operations of the vehicle remotely if the high profile driver violates the operating profile (in support of this assessment, the Examiner argued -- *parent governs vehicle usage remotely in an override situation*; and referred to Gratz at [0049]).

The Applicant respectfully disagrees with this assessment. Claim 15 has been amended herein to include the claim limitation of a *data logging device*, and also wherein the operating profile is *maintained* by the data logging device. In addition, amended claim 15 includes the claim limitation of *recording with*

the data logging device, data indicative of the operation of the motor vehicle by the high risk driver, said data including a speed and a location of the motor vehicle. The Applicant submits that such claim limitations distinguish the Applicant's claim 15 over that of Gratz.

Given these amendments to claim 15, the Applicant submits that the rejection to claim 15 under 35 U.S.C. 102 is traversed. The Applicant therefore respectfully requests withdrawal of the rejection to claim 15 under 35 U.S.C. 102.

Regarding claims 17 and 18, the Examiner asserted that Gratz discloses providing an audible alarm to the driver and providing a signal remotely to an authorized user (in support of this argument, the Examiner referred to Gratz at [0012]).

The Applicant respectfully disagrees with this assessment, and submits that given the amendments to claim 15, the rejection to claims 17 and 18 is also traversed given the dependency of claims 17 and 18 on claim 15. The Applicant therefore respectfully requests withdrawal of the rejection to claims 17 and 18 under 35 U.S.C. 102.

Regarding claims 19 and 20, the Examiner asserted that Gratz discloses providing a control signal that limits functionality within the motor vehicle (in support of this assertion, the Examiner referred to Gratz at [0014], [0038]).

The Applicant respectfully disagrees with this assessment, and submits that given the amendments to claim 15, the rejection to claims 19 and 20 is also traversed given the dependency of claims 19 and 20 on claim 15. The Applicant therefore respectfully requests withdrawal of the rejection to claims 19 and 20 under 35 U.S.C. 102.

IV. Claim Rejections – 35 U.S.C. § 103

Requirements for Prima Facie Obviousness

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

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

The U.S. Supreme Court ruling of April 30, 2007 (*KSR Int'l v. Teleflex Inc.*) states:

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

"To facilitate review, this analysis should be made explicit."

The U.S. Supreme Court ruling states that it is important to identify a *reason* that would have prompted a person to combine the elements and to make that analysis *explicit*. MPEP §2143 sets out the further basic criteria to establish a *prima facie* case of obviousness:

1. *a reasonable expectation of success; and*
2. *the teaching or suggestion of all the claim limitations by the prior art reference (or references when combined).*

It follows that in the absence of such a *prima facie* showing of obviousness by the examiner (assuming there are no objections or other grounds for

rejection) and of a *prima facie* showing by the examiner of a *reason* to combine the references, an applicant is entitled to grant of a patent. Thus, in order to support an obviousness rejection, the examiner is obliged to produce evidence compelling a conclusion that the basic criterion has been met.

Gratz, McClellan

In the Office Action of August 27, 2018, the Examiner rejected claim 16 under 35 U.S.C. 103 as being unpatentable over Gratz, as applied above, and further in view of McClellan (US 2008/0319602).

Regarding claim 16, the Examiner argued that Gratz discloses wherein the motor vehicle includes a GPS module (in support of this argument, the Examiner referred to Gratz's GPS 134) and the monitoring operation of the motor vehicle further comprises location data.

The Examiner admitted that Gratz is silent as to the GPS data including motor vehicle speed. The Examiner asserted, however, that McClellan, in a similar invention in the same field of endeavor, teaches obtaining speed data from GPS data taken over a time period (in support of this argument, the Examiner referred to McClellan at 0027).

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

The Applicant respectfully disagrees with this assessment, and submits that given the amendments to claim 15, the rejection to claim 20 under 35 U.S.C. 103 is also traversed given the dependency of claim 20 on claim 15. The Applicant therefore respectfully requests withdrawal of the rejection to claim 20 under 35 U.S.C. 103.

V. Conclusion

The Applicant submits that one or more of the claims are in condition for allowance. 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 issuance of the present application.

Respectfully submitted,

Dated: November 15, 2018

/Kermit D. Lopez/

Kermit D. Lopez
Attorney for Applicant
USPTO Registration No. 41,953
ORTIZ & LOPEZ, PLLC
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Albuquerque, NM 87196-4484
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Doc Code: DIST.E.FILE Document Description: Electronic Terminal Disclaimer - Filed		PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce
Electronic Petition Request	TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT	
Application Number	15898322	
Filing Date	16-Feb-2018	
First Named Inventor	Michael Phelan	
Attorney Docket Number	PHELAN-1001CON4	
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE	
☒ Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action ☒ This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.		
Owner	Percent Interest	
THE PHELAN GROUP, LLC	100%	
The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s) 9908508 9045101 9493149 8417415		

as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:

- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

☒ Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.

☐ I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.

Applicant claims the following fee status:

☒ Small Entity

☐ Micro Entity

☐ Regular Undiscounted

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

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

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

☒ An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

Registration Number 41953

☐ A sole inventor

☐ A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application

☐ A joint inventor; all of whom are signing this request

Signature

/Kermit Lopez/

Name

Kermit Lopez

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

Electronic Patent Application Fee Transmittal				
Application Number:		15898322		
Filing Date:		16-Feb-2018		
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/Shirley Hsu		
Attorney Docket Number:		PHELAN-1001CON4		
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
STATUTORY OR TERMINAL DISCLAIMER	2814	1	160	160
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				160

Doc Code: DISQ.E.FILE

Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 15898322

Filing Date: 16-Feb-2018

Applicant/Patent under Reexamination: Phelan

Electronic Terminal Disclaimer filed on November 15, 2018

☒ APPROVED

This patent is subject to a terminal disclaimer

☐ DISAPPROVED

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

U.S. Patent and Trademark Office

Electronic Acknowledgement Receipt	
EFS ID:	34323750
Application Number:	15898322
International Application Number:	
Confirmation Number:	1084
Title of Invention:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
First Named Inventor/Applicant Name:	Michael Phelan
Customer Number:	141361
Filer:	Kermit Dean Lopez/Shirley Hsu
Filer Authorized By:	Kermit Dean Lopez
Attorney Docket Number:	PHELAN-1001CON4
Receipt Date:	15-NOV-2018
Filing Date:	16-FEB-2018
Time Stamp:	16:40:19
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$160
RAM confirmation Number	111618INTEFSW16401700
Deposit Account	505240
Authorized User	Loza and Loza - Accounting
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (Patent application and reexamination processing fees)	

37 CFR 1.19 (Document supply fees)
 37 CFR 1.20 (Post Issuance fees)
 37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Terminal Disclaimer-Filed (Electronic)	eTerminal-Disclaimer.pdf	34922	no	3
			a0efa9f155c12645ce3081b6889991353aa5989c		

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30600	no	2
			1a183554e14564cd5041b31a3f0831e5daa71c78		

Warnings:

Information:

Total Files Size (in bytes):	65522
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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

NOTICE OF ALLOWANCE AND FEE(S) DUE

141361 7590 01/07/2019
LOZA & LOZA, LLP
Kermit D. Lopez, Esq.
305 N. Second Avenue #127
Upland, CA 91786-6064

EXAMINER

DAGER, JONATHAN M

ART UNIT

PAPER NUMBER

3663

DATE MAILED: 01/07/2019

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/898,322	02/16/2018	Michael Phelan	PHELAN-1001CON4	1084

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	\$500	\$0.00	\$0.00	\$500	04/08/2019

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

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

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

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

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

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

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

141361 7590 01/07/2019
LOZA & LOZA, LLP
Kermit D. Lopez, Esq.
305 N. Second Avenue #127
Upland, CA 91786-6064

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/898,322	02/16/2018	Michael Phelan	PHELAN-1001CON4	1084

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	\$500	\$0.00	\$0.00	\$500	04/08/2019

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 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

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 must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

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

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

4a. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

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

☐ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

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

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

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

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

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/898,322	02/16/2018	Michael Phelan	PHELAN-1001CON4	1084
141361	7590	01/07/2019	EXAMINER	
LOZA & LOZA, LLP			DAGER, JONATHAN M	
Kermit D. Lopez, Esq.			ART UNIT	
305 N. Second Avenue #127			PAPER NUMBER	
Upland, CA 91786-6064			3663	

DATE MAILED: 01/07/2019

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 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.** Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 15/898,322	Applicant(s) Phelan, Michael	
	Examiner JONATHAN M DAGER	Art Unit 3663	AIA Status Yes

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

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

1. ☒ This communication is responsive to amendments, terminal disclaimer filed 15 November 2018.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

3. ☒ The allowed claim(s) is/are 1-20 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

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

Certified copies:

a) ☐ All b) ☐ Some *c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

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

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

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

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

Attachment(s)

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

/JONATHAN M DAGER/ Primary Examiner, Art Unit 3663	
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Notice of References Cited	Application/Control No. 15/898,322		Applicant(s)/Patent Under Reexamination Phelan, Michael	
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*	B	US-20030181822-A1	09-2003	Victor, Trent	A61B3/113	600/558
*	C	US-20030204290-A1	10-2003	Sadler, John G.	B60R25/04	701/1
*	D	US-20030231550-A1	12-2003	Macfarlane, Jane F.	B60R25/257	367/198
*	E	US-20040064221-A1	04-2004	DePrez, Mary K.	B60T7/042	701/2
*	F	US-20040225557-A1	11-2004	Phelan, Joseph	G01M17/00	701/1
*	G	US-20050237150-A1	10-2005	Sun, Hao	G07C9/00182	340/5.52
*	H	US-20050288837-A1	12-2005	Wiegand, Michael	B60R16/037	701/36
*	I	US-20060047419-A1	03-2006	Diendorf, John R.	G01C21/26	701/532
*	J	US-20060066149-A1	03-2006	Holloway, Lane Thomas	B60R25/24	307/10.3
*	K	US-20060200008-A1	09-2006	Moore-Ede, Martin	B60K28/06	600/300
*	L	US-20060212195-A1	09-2006	Veith, Gregory W.	G06Q10/06	701/33.4
*	M	US-20070082706-A1	04-2007	Campbell, Douglas C.	B60R16/0373	455/563

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NON-PATENT DOCUMENTS

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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

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

Notice of References Cited

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*	B	US-20070155368-A1	07-2007	Phelan; James Daniel	H04W8/245	455/412.1
*	C	US-20070158128-A1	07-2007	Gratz; Rosemarie M.	B60R25/1004	180/287
*	D	US-20070200663-A1	08-2007	White; Steve	A61B5/117	340/5.31
*	E	US-20080039998-A1	02-2008	Fein; Gene	B60R16/037	701/36
*	F	US-20080269979-A1	10-2008	Hermann; Thomas	H04L41/082	701/29.6
*	G	US-20080319602-A1	12-2008	McClellan; Scott	G07C5/008	701/31.4
*	H	US-20090024273-A1	01-2009	Follmer; Todd	G06Q10/10	701/33.4
*	I	US-20090027177-A1	01-2009	Hodder; David John	B60R25/04	340/426.12
*	J	US-20090030770-A1	01-2009	Hersh; Richard	G06Q10/06311	705/7.13
*	K	US-20090069954-A1	03-2009	ALADESUJI; Kayode	B60R25/102	701/2
*	L	US-20090079555-A1	03-2009	Aguirre De Carcer; Giadha	G07C5/008	340/441
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*	B	US-20100087986-A1	04-2010	LAL; DHANANJAY	B60R16/023	701/36
*	C	US-20100161171-A1	06-2010	Valentine; Eric Lee	B22D11/12	701/31.4
*	D	US-20140358376-A1	12-2014	Phelan; Michael	B60W10/18	701/41
*	E	US-20150350750-A1	12-2015	YUN; Doo Seop	H04Q9/00	340/870.07
*	F	US-20160001715-A1	01-2016	Laifenfeld; Moshe	B60R16/023	701/32.7
*	G	US-20160001718-A1	01-2016	Laifenfeld; Moshe	H04W84/005	701/32.7
*	H	US-5481253-A	01-1996	Phelan; Michael D.	B60R25/04	307/10.2
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*	J	US-6741920-B1	05-2004	Otto; Richard E.	B60R16/037	340/5.6
*	K	US-8131441-B2	03-2012	Nallapa; Venkatapathi Raju	B60W30/188	701/87
*	L	US-8258939-B2	09-2012	Miller; Thomas Lee	B60R25/00	340/301
*	M	US-8463488-B1	06-2013	Hart; Paul	G07C5/008	340/576

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*	A	US-8751105-B2	06-2014	Whelan; Rene A.	B60W50/0098	180/268
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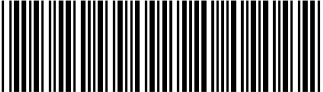
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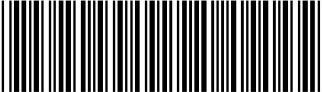
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Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Issue Classification 	Application/Control No. 15/898,322	Applicant(s)/Patent Under Reexamination Phelan, Michael
	Examiner JONATHAN M DAGER	Art Unit 3663

CPC						
Symbol					Type	Version
B60W	/	40	/	08	F	2013-01-01
B60R	/	25	/	00	I	2013-01-01
B60R	/	25	/	23	I	2013-01-01
B60R	/	25	/	20	I	2013-01-01
B60R	/	25	/	102	I	2013-01-01
B60W	/	2040	/	0809	A	2013-01-01
B60W	/	2050	/	0078	A	2013-01-01

CPC Combination Sets					
Symbol	Type	Set	Ranking	Version	
/					

NONE (Assistant Examiner) (Date)		Total Claims Allowed: 20	
/JONATHAN M DAGER/ Primary Examiner, Art Unit 3663 (Primary Examiner) (Date)		13 December 2018 O.G. Print Claim(s) 1,15	O.G. Print Figure 2

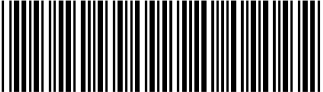
Issue Classification 	Application/Control No. 15/898,322	Applicant(s)/Patent Under Reexamination Phelan, Michael
	Examiner JONATHAN M DAGER	Art Unit 3663

INTERNATIONAL CLASSIFICATION			
CLAIMED			
G06F		19	00
NON-CLAIMED			

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

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

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 20	
/JONATHAN M DAGER/ Primary Examiner, Art Unit 3663 (Primary Examiner) _____ (Date) 13 December 2018		O.G. Print Claim(s) 1,15	O.G. Print Figure 2

Issue Classification 	Application/Control No. 15/898,322	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															
CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
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NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 20	
/JONATHAN M DAGER/ Primary Examiner, Art Unit 3663 (Primary Examiner) _____ (Date) 13 December 2018		O.G. Print Claim(s) 1,15	O.G. Print Figure 2

<i>Index of Claims</i> 	Application/Control No. 15/898,322	Applicant(s)/Patent Under Reexamination Phelan, Michael
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✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS										
☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47										
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<i>Search Notes</i> 	Application/Control No. 15/898,322	Applicant(s)/Patent Under Reexamination Phelan, Michael
	Examiner JONATHAN M DAGER	Art Unit 3663

CPC - Searched*		
Symbol	Date	Examiner

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
REVIEW OF PARENT	08/21/2018	JD
ASSIGNEE	08/21/2018	JD
INVENTOR	08/21/2018	JD
KEYWORD	08/21/2018	JD
CITATION OF BEST PRIOR ART	08/21/2018	JD
ASSIGNEE	12/13/2018	JD
INVENTOR	12/13/2018	JD
KEYWORD	12/13/2018	JD
CITATION OF BEST PRIOR ART	12/13/2018	JD

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<i>Search Notes</i> 	Application/Control No. 15/898,322	Applicant(s)/Patent Under Reexamination Phelan, Michael
	Examiner JONATHAN M DAGER	Art Unit 3663

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	TEXT	12/13/2018	JD

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EAST Search History

EAST Search History (Prior Art)

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S49	1	"12496509"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/09/25 14:48
S50	11	S48 and (radio or audio or stereo)	US-PGPUB	OR	OFF	2012/09/25 15:01
S51	5235	vehicle same parent\$4 same control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO;	OR	OFF	2012/09/25 15:06

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

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

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

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

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

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

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

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

		20030181822-\$ or US-20160001718-\$ or US-20160001715-\$ or US- 20150350750-\$ or US-20100087986-\$ or US-20080039998-\$ or US- 20040064221-\$ or US-20070155368-\$ or US-20070129056-\$ or US- 20140358376-\$.did. or (US-6430488- \$ or US-8258939-\$ or US-7956730-\$ or US-6741920-\$ or US-5481253-\$ or US-8751105-\$ or US-8751104-\$ or US- 8463488-\$ or US-8131441-\$.did.				
S121	58	("2004/0225557").URPN.	USPAT	OR	ON	2017/08/02 11:29
S126	2	"14712124"	US- PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/16 11:04
S127	7	"13858930"	US- PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/16 11:05
S128	1	"8417415".pn.	US- PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/16 11:12
S129	1	"9045101".pn.	US- PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/21 09:11
S130	2	"9493149"	US- PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/21 09:12
S131	7	"13858930"	US- PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/21 09:14
S132	2	"9493149"	US- PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/21 09:15
S133	3	"14464188"	US- PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/21 09:44
S134	8	"12496509"	US- PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/21 09:53

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10	phelan.in. and (gps same location same speed same alarm)	US-PGPUB; USPAT	OR	ON	2018/12/13 09:22
S108	33	phelan.in. and (unique with code)	US-PGPUB; USPAT	OR	ON	2016/06/20 10:51
S113	34	phelan.in. and (unique with code)	US-PGPUB; USPAT	OR	ON	2017/02/14 11:39
S114	0	("2014/0358376").URPN.	USPAT	OR	ON	2017/02/14 11:47
S122	37	phelan.in. and (unique with code)	US-PGPUB; USPAT	OR	ON	2017/10/18 11:50
S123	8	S122 and profile	US-PGPUB; USPAT	OR	ON	2017/10/18 11:50
S124	0	("2017/0106877").URPN.	USPAT	OR	ON	2017/10/18 11:52
S125	31	("20020049538" "20040225557" "20050137757" "20050182538" "20060047419" "20060106515" "20060111817" "20060122749" "20060200008" "20060212195" "20070082706" "20070158128" "20080245598" "20080319602" "20090024273" "20090027177" "20090030770" "20090069954" "20090079555" "20090189736" "20100004818" "5481253" "6430488" "6741920" "7956730" "8258939" "8463488" "8751104" "8751105").PN. OR ("9045101").URPN.	US-PGPUB; USPAT	OR	ON	2017/10/18 11:52

12/ 13/ 2018 9:22:36 AM

C:\Users\jdager\Desktop\patent searches\phelan\15898322 16 august 2018.wsp

Bibliographic Data

Application No: 15/898,322

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☒ No ☐ Met After Allowance

Verified and Acknowledged: /JONATHAN M DAGER/

Examiner's Signature

Initials

Title:

DRIVER AUTHENTICATION SYSTEM AND METHOD FOR
MONITORING AND CONTROLLING VEHICLE USAGE

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
02/16/2018	701	3663	PHELAN-1001CON4
RULE			

APPLICANTS

THE PHELAN GROUP, LLC, Santa Fe, NM,

INVENTORS

Michael Phelan Santa Fe, NM, UNITED STATES

CONTINUING DATA

This application is a CON of 14712124 05/14/2015 PAT 9908508

14712124 is a CON of 13858930 04/08/2013 PAT 9045101

13858930 is a CON of 12496509 07/01/2009 PAT 8417415

12496509 has PRO of 61077568 07/02/2008

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

03/13/2018

**** SMALL ENTITY ****

STATE OR COUNTRY

UNITED STATES

ADDRESS

LOZA & LOZA, LLP

Kermit D. Lopez, Esq.

305 N. Second Avenue #127

Upland, CA 91786-6064

UNITED STATES

FILING FEE RECEIVED

\$865

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

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

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

141361 7590 01/07/2019
LOZA & LOZA, LLP
Kermit D. Lopez, Esq.
305 N. Second Avenue #127
Upland, CA 91786-6064

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

Shirley Hsu (Typed or printed name)
/shirley hsu/ (Signature)
February 28, 2019 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/898,322	02/16/2018	Michael Phelan	PHELAN-1001CON4	1084

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	\$500	\$0.00	\$0.00	\$500	04/08/2019

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 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Kermit D. Lopez

2 Luis M. Ortiz

3 Loza & Loza, LLP

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

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

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

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

4a. Fees submitted: ☒ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

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

☒ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 505240

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/

Date February 28, 2019

Typed or printed name Kermit D. Lopez

Registration No. 41,953

Electronic Patent Application Fee Transmittal				
Application Number:		15898322		
Filing Date:		16-Feb-2018		
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/Shirley Hsu		
Attorney Docket Number:		PHELAN-1001CON4		
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	2501	1	500	500

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

Electronic Acknowledgement Receipt	
EFS ID:	35293786
Application Number:	15898322
International Application Number:	
Confirmation Number:	1084
Title of Invention:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
First Named Inventor/Applicant Name:	Michael Phelan
Customer Number:	141361
Filer:	Kermit Dean Lopez/Shirley Hsu
Filer Authorized By:	Kermit Dean Lopez
Attorney Docket Number:	PHELAN-1001CON4
Receipt Date:	28-FEB-2019
Filing Date:	16-FEB-2018
Time Stamp:	20:45:07
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 500
RAM confirmation Number	030119INTEFSW20453800
Deposit Account	505240
Authorized User	Loza and Loza - Accounting
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (Patent application and reexamination processing fees)	

37 CFR 1.19 (Document supply fees)
37 CFR 1.20 (Post Issuance fees)
37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	PHELAN-1001CON4_IssueFeeTransmittal.pdf	109508	no	1
			c7235f04f1eb7b5f3ce2b03485054dab2cea94dc		

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30476	no	2
			01ae99415948c245bf64f48ae2477b0d47a54b87		

Warnings:

Information:

Total Files Size (in bytes):	139984
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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



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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/898,322	04/16/2019	10259465	PHELAN-1001CON4	1084

141361 7590 03/27/2019
LOZA & LOZA, LLP
Kermit D. Lopez, Esq.
305 N. Second Avenue #127
Upland, CA 91786-6064

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Michael Phelan, Santa Fe, NM;
THE PHELAN GROUP, LLC, Santa Fe, NM;

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APPLICATION NUMBER	PATENT NUMBER	GROUP ART UNIT	REQUEST ID
15/898,322	10259465	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



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APPLICATION NUMBER	PATENT NUMBER	GROUP ART UNIT	REQUEST ID
15/898,322	10259465	3663	103133

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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.

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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