

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

Assignment ID: PATI355483

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Michael D Phelan	05/27/2016
RECEIVING PARTY DATA	
Company Name:	The Phelan Group, LLC
Street Address:	851 Camino Francisca
City:	Santa Fe
State/Country:	NEW MEXICO
Postal Code:	87506
PROPERTY NUMBERS Total: 3	
Property Type	Number
Patent Number:	11352020
Patent Number:	11472427
Application Number:	17746101
CORRESPONDENCE DATA	
Fax Number:	
<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:	5053141311
Email:	lortiz@olpatentlaw.com
Correspondent Name:	Luis M Ortiz
Address Line 1:	117 Bryn Mawr Drive SE
Address Line 4:	Albuquerque, NEW MEXICO 87106
ATTORNEY DOCKET NUMBER:	PHELAN-1001CON5
NAME OF SUBMITTER:	Andrew DiNovo
SIGNATURE:	Andrew DiNovo
DATE SIGNED:	07/11/2024
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 2	
source=pto1595#page1.tiff	
source=pto1595#page2.tiff	

RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Michael D. Phelan

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 5 01

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: e e n Gro ,

Internal Address: n

Street Address: 51 ino r n i

City: n e

State: New e i o

Country: . A. Zip: 50

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☒ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

17/746,101

B. Patent No.(s)

. . en No . 11, 5 ,0 0 nd 11,4 ,4 .

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: i . ri

Internal Address: n

Street Address: 11 r n wr Drive

City: A er e

State: New e i o Zip: 10

Phone Number: 505 14 1 11

Docket Number: PHELAN-1001CON5-7

Email Address: or i o en w. o

6. Total number of applications and patents involved: 3

7. Total fee (37 CFR 1.21(h) & 3.41) \$0.00

- ☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

N/A per 37 CFR 1.21(h)(1)

Deposit Account Number _____

Authorized UserName _____

9. Signature: Andrew G. DiNovo

11 0 4

Signature

Date

Andrew G. DiNovo, Reg. No. 40,115

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

2

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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 Franciscas, 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



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/288,877	10/18/2022	11472427	PHELAN-1001CON6	6548

141361 7590 09/28/2022
Ortiz & Lopez, PLLC
P.O. Box 4484
Albuquerque, NM 87196-4484

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

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

The Patent Term Adjustment is 694 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 Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

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

Michael Phelan, Santa Fe, NM;

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

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

Electronic Patent Application Fee Transmittal				
Application Number:		16288877		
Filing Date:		28-Feb-2019		
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:		PHELAN-1001CON6		
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	600	600

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				600

Electronic Acknowledgement Receipt	
EFS ID:	46546188
Application Number:	16288877
International Application Number:	
Confirmation Number:	6548
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
Filer Authorized By:	
Attorney Docket Number:	PHELAN-1001CON6
Receipt Date:	02-SEP-2022
Filing Date:	28-FEB-2019
Time Stamp:	15:10:23
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$ 600
RAM confirmation Number	E202292F10562531
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	PHELAN-1001CON6_IssueFeeP aid.pdf	149565	no	1
			41e57513d28cb39c70854232bc0072a198f8c4c3		
Warnings:					
Information:					
2	Supplemental Response or Supplemental Amendment	PHELAN-1001CON6_RNOA.pdf	79706	no	3
			f3f3941efebf259f9a9b7101cfc47af97a0dd65		
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	37868	no	2
			b3449c4810b88d571b92d5f21ccc91dbf480ad86		
Warnings:					
Information:					
Total Files Size (in bytes):			267139		
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.					

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 06/03/2022
Ortiz & Lopez, PLLC
P.O. Box 4484
Albuquerque, NM 87196-4484

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

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being 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.
16/288,877	02/28/2019	Michael Phelan	PHELAN-1001CON6	6548

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	\$600	\$0.00	\$0.00	\$600	09/06/2022

EXAMINER	ART UNIT	CLASS-SUBCLASS
DAGER, JONATHAN M	3663	701-048000

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/AIA/122 or PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

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

1 Ortiz & Lopez, PLLC

2 Kermit D. Lopez

3 Luis M. Ortiz

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 /Kermit D. Lopez/

Date September 2, 2022

Typed or printed name Kermit D. Lopez

Registration No. 41,953

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR: Michael Phelan **EXAMINER:** Dager, Jonathan M.
SERIAL NO.: 16/288,877 **ART UNIT:** 3663
FILED: 02/28/2019 **ATTY DKT NO.:** PHELAN-1001CON6
TITLE: DRIVER AUTHENTICATION SYSTEM AND METHOD FOR
MONITORING AND CONTROLLING VEHICLE USAGE

Please forward all correspondence to:

Ortiz & Lopez, PLLC
Patent Attorneys
P.O. Box 4484
Albuquerque, NM 87196-4484

REPLY TO NOTICE OF ALLOWANCE AND ALLOWABILITY

Dear Examiner:

In response to the Notice of Allowance and Allowability dated June 3, 2022 in the above captioned matter, please enter the following amendments and remarks:

Remarks begin on Page 2 of this Paper.

REMARKS

I. Comments on Statement of Reasons for Allowance

The Applicant agrees with the Examiner's Statement of Reasons for Allowance set forth in the Notice of Allowance/Allowability dated June 3, 2022 to the extent that the claims of the present invention are patentable over the references in the record. The Applicant expressly traverses the Examiner's Statement of Reasons for Allowance to the extent that any comment is intended or has the effect of limiting a claim scope, explicitly or implicitly, by not reciting verbatim and/or in complete context, the respective claim language, or is intended or has the effect of limiting a claim scope by stating or implying that all the reasons of patentability are in any way fully enumerated.

II. Conclusion

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: September 2, 2022

/Kermit D. Lopez/

Kermit D. Lopez
Attorney for Applicant
USPTO Registration No. 41,953
ORTIZ & LOPEZ, PLLC
P.O. Box 4484
Albuquerque, NM 87196-4484
Tel. 505-314-1310
klopez@olpatentlaw.com



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/288,877	02/28 2019	Michael Phelan	PHELAN-1001CON6	6548
141361 7590 06 15/2022 Ortiz & Lopez, PLLC P.O. Box 4484 Albuquerque, NM 87196-4484			EXAMINER DAGER, JONATHAN M	
			ART UNIT 3663	PAPER NUMBER
			NOTIFICATION DATE 06/15/2022	DELIVERY MODE ELECTRONIC

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

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

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

docketing@olpatentlaw.com



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

Application No. : 16288877
Applicant : Phelan
Filing Date : 02/28/2019
Date Mailed : 06/15/2022

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Notice of Allowance Mailed

This application has been accorded an Allowance Date and is being prepared for issuance. The application, however, is incomplete for the reasons below.

Applicant is given two (2) months from the mail date of this Notice within which to respond. This time period for reply is extendable under 37 CFR 1.136(a) for only TWO additional MONTHS.

The informalities requiring correction are indicated in the attachment(s). If the informality pertains to the abstract, specification (including claims) or drawings, the informality must be corrected with an amendment in compliance with 37 CFR 1.121 (or, if the application is a reissue application, 37 CFR 1.173). Such an amendment may be filed after payment of the issue fee if limited to correction of informalities noted herein. See Waiver of 37 CFR 1.312 for Documents Required by the Office of Patent Publication, 1280 Off. Gaz. Patent Office 918 (March 23, 2004). In addition, if the informality is not corrected until after payment of the issue fee, for purposes of 35 U.S.C. 154(b)(1)(iv), "all outstanding requirements" will be considered to have been satisfied when the informality has been corrected. A failure to respond within the above-identified time period will result in the application being ABANDONED.

See attachment(s).

*A copy of this notice **MUST** be returned with the reply. Please address response to
"Mail Stop Issue Fee, Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450".*

/Naran Hem/
Publication Branch
Office of Data Management
(571) 272-4200

IDENTIFICATION OF DRAWING DEFICIENCIES

- ☐ There is a hole or the image thereof within the illustration. FIG(s)
- ☐ The illustration is penetrated or traversed by a solid or broken line that is not intended to be part of the drawing, such as a dark line caused by a flaw in the copying process. FIG(s)
- ☐ An ink stamp or the image thereof obscures part of the illustration. FIG(s)
- ☐ The drawing is marred by black smudges, obliterations, or fax/copier marks (for example, speckles or dots in a substantial portion of the drawing). FIG(s)
- ☐ Figure numbers are duplicated or missing. FIG(s)
- ☐ Drawing sheet or figure is missing. FIG(s)
- ☐ Numbers, letters, or reference characters in the drawing have been crossed out or are illegibly handwritten. FIG(s)
- ☒ The character of the lines, numbers, and letters is poor. FIG(s) 1, 5
- ☐ The drawing's background shows that the original drawing was made on graph paper or other paper with a pattern or decoration. FIG(s)
- ☐ The FIG. number label is placed in a location that causes the drawing to be read upside down. FIG(s)
- ☐ Data, a reference number, or part of the drawing is truncated or missing, or a lead line has no reference number. FIG(s)
- ☐ The drawing and/or the FIG. label contain(s) foreign language. FIG(s)
- ☐ This utility application contains a photograph of a view that is capable of being illustrated as a line drawing. FIG(s)
- ☐ A petition under 37 CFR 1.84(a)(2) to accept color drawings has been granted, but the brief description of the drawings in the specification does not contain (or has not been amended to contain) the paragraph required by 37 CFR 1.84(a)(2)(iii).
- ☐ This reissue application contains added and/or amended drawings that are not labeled as "New" or "Amended" or "Canceled" as required by 37 CFR 1.173(b)(3). FIG(s)
- ☐ This Design reissue application contains a drawing that is labeled as "Canceled" but is not surrounded by brackets, or a drawing that is surrounded by brackets but is not labeled as "Canceled." See 37 CFR 1.173(b)(3). FIG(s)
- ☐ OTHER:
- ☐ COMMENTS:



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/288,877	02/28 2019	Michael Phelan	PHELAN-1001CON6	6548
141361	7590	06 15/2022	EXAMINER	
Ortiz & Lopez, PLLC			DAGER, JONATHAN M	
P.O. Box 4484				
Albuquerque, NM 87196-4484				
ART UNIT		PAPER NUMBER		
3663				
NOTIFICATION DATE		DELIVERY MODE		
06/15/2022		ELECTRONIC		

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docketing@olpatentlaw.com



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
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P.O. Box 1450
Alexandria, VA 22313-1450
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Application No. : 16288877
Applicant : Phelan
Filing Date : 02/28/2019
Date Mailed : 06/15/2022

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See attachment(s).

*A copy of this notice **MUST** be returned with the reply. Please address response to
"Mail Stop Issue Fee, Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450".*

/Naran Hem/
Publication Branch
Office of Data Management
(571) 272-4200

IDENTIFICATION OF DRAWING DEFICIENCIES

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- ☐ The illustration is penetrated or traversed by a solid or broken line that is not intended to be part of the drawing, such as a dark line caused by a flaw in the copying process. FIG(s)
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- ☐ This utility application contains a photograph of a view that is capable of being illustrated as a line drawing. FIG(s)
- ☐ A petition under 37 CFR 1.84(a)(2) to accept color drawings has been granted, but the brief description of the drawings in the specification does not contain (or has not been amended to contain) the paragraph required by 37 CFR 1.84(a)(2)(iii).
- ☐ This reissue application contains added and/or amended drawings that are not labeled as "New" or "Amended" or "Canceled" as required by 37 CFR 1.173(b)(3). FIG(s)
- ☐ This Design reissue application contains a drawing that is labeled as "Canceled" but is not surrounded by brackets, or a drawing that is surrounded by brackets but is not labeled as "Canceled." See 37 CFR 1.173(b)(3). FIG(s)
- ☐ OTHER:
- ☐ COMMENTS:

Electronic Acknowledgement Receipt	
EFS ID:	45966953
Application Number:	16288877
International Application Number:	
Confirmation Number:	6548
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
Filer Authorized By:	
Attorney Docket Number:	PHELAN-1001CON6
Receipt Date:	15-JUN-2022
Filing Date:	28-FEB-2019
Time Stamp:	17:10:26
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	Supplemental Response or Supplemental Amendment	RplyNotice_06-15-2022.pdf	113134	no	3
			7c2dde86b0761cc493848d9a55ffeb70f8358d89		

Warnings:

Information:					
2	Supplemental Response or Supplemental Amendment	FIG_1_Replacement.pdf	89854	no	1
			794a4742b005acd5931fac5fe290aa76220dc2a3		
Warnings:					
Information:					
3	Supplemental Response or Supplemental Amendment	FIG_5_Replacement.pdf	492514	no	1
			c1c88b7a1b17272fa46bfb9de9937abfec9800a2f		
Warnings:					
Information:					
Total Files Size (in bytes):			695502		
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.					

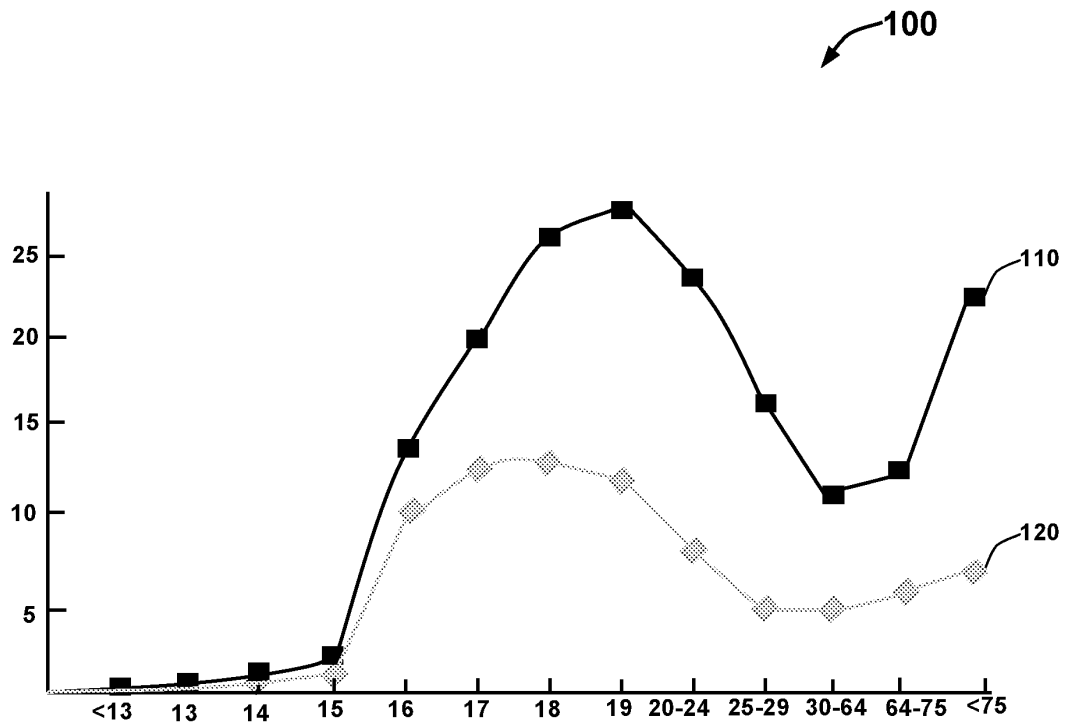


FIG. 1

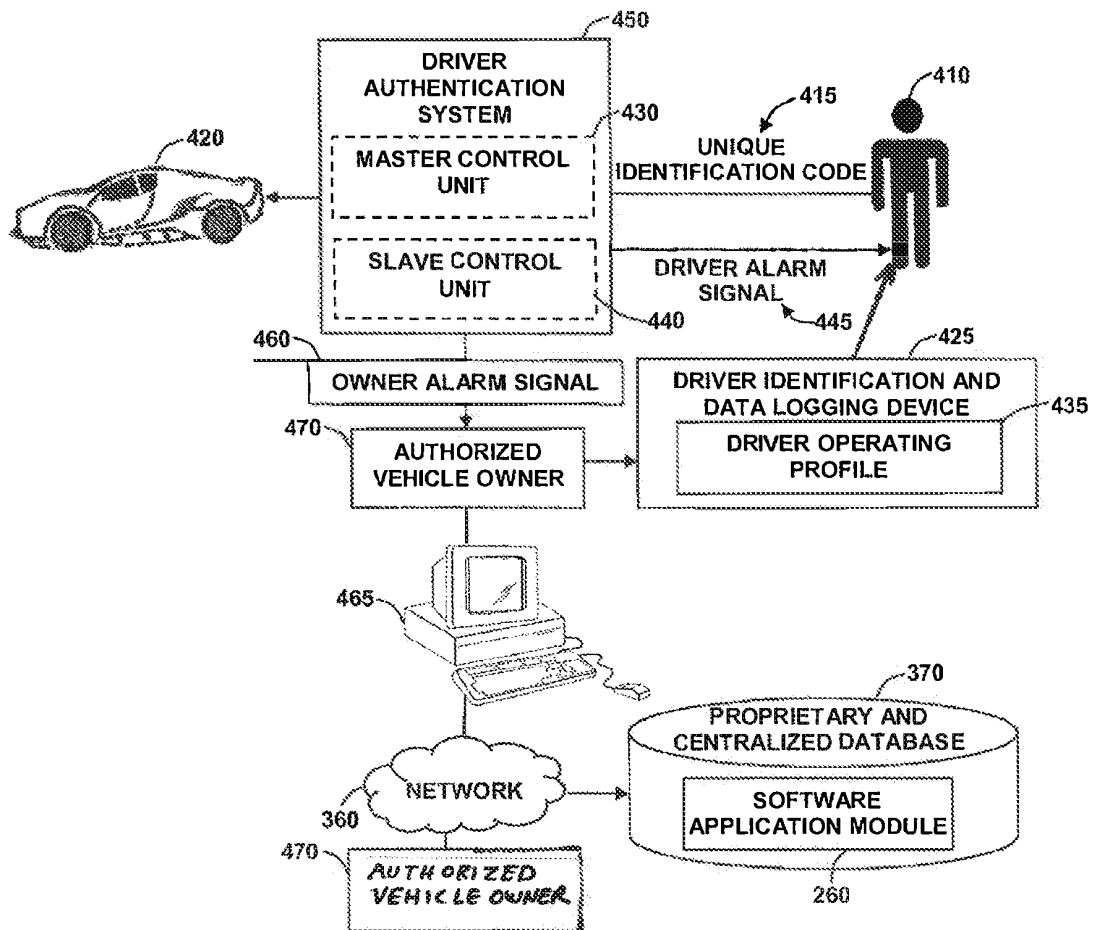


FIG. 5

SCORE Placeholder Sheet for IFW Content

Application Number: 16288877

Document Date: 06/15/2022

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

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

- Drawing

At the time of document entry (noted above):

- USPTO employees may access SCORE content via DAV or via the SCORE web page.
- External customers may access SCORE content via PAIR using the Supplemental Content tab.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

141361 7590 06/03/2022
Ortiz & Lopez, PLLC
P.O. Box 4484
Albuquerque, NM 87196-4484

EXAMINER

DAGER, JONATHAN M

ART UNIT

PAPER NUMBER

3663

DATE MAILED: 06/03/2022

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/288,877	02/28/2019	Michael Phelan	PHELAN-1001CON6	6548

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	\$600	\$0.00	\$0.00	\$600	09/06/2022

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. 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 06/03/2022
Ortiz & Lopez, PLLC
P.O. Box 4484
Albuquerque, NM 87196-4484

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

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being 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.
16/288,877	02/28/2019	Michael Phelan	PHELAN-1001CON6	6548

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	\$600	\$0.00	\$0.00	\$600	09/06/2022

EXAMINER	ART UNIT	CLASS-SUBCLASS
DAGER, JONATHAN M	3663	701-048000

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/AIA/122 or PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

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

1 _____

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

2 _____

3 _____

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

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

(A) NAME OF ASSIGNEE

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

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

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

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

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

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

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

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

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

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

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

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/288,877	02/28/2019	Michael Phelan	PHELAN-1001CON6	6548
141361	7590	06/03/2022	EXAMINER	
Ortiz & Lopez, PLLC			DAGER, JONATHAN M	
P.O. Box 4484				
Albuquerque, NM 87196-4484			ART UNIT	PAPER NUMBER
			3663	
DATE MAILED: 06/03/2022				

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. 16/288,877	Applicant(s) Phelan, Michael	
	Examiner JONATHAN M DAGER	Art Unit 3663	AIA (FITF) 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 TD filed 26 January 2022.
☐ 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 a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

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

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)	5. ☐ Examiner's Amendment/Comment
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.	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	
---	--

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Claims Allowable - Reasons for Allowance

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

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

Independent claim 1 is allowed. None of the prior art cited could anticipate, or be combined to render obvious 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.

Independent claims 11 and 15 maintain similar embodiments, and are also allowed.

Subsequently, claims 2-10, 12-14, and 16-20 are also now allowable due to dependence on their respective independent claims.

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

Conclusion

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

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

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

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

/JONATHAN M DAGER/
Primary Examiner, Art Unit 3663
31 May 2022

Notice of References Cited	Application/Control No. 16/288,877		Applicant(s)/Patent Under Reexamination Phelan, Michael	
	Examiner JONATHAN M DAGER		Art Unit 3663	Page 1 of 4

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-8751105-B2	06-2014	Whelan; Rene A.	B60R25/00	180/287
*	B	US-8463488-B1	06-2013	Hart; Paul	G06F17/00	701/32.4
*	C	US-8258939-B2	09-2012	Miller; Thomas Lee	B60R25/00	340/572.1
*	D	US-8131441-B2	03-2012	Nallapa; Venkatapathi Raju	B60W50/085	701/87
*	E	US-6741920-B1	05-2004	Otto; Richard E.	B60R16/037	340/5.6
*	F	US-6430488-B1	08-2002	Goldman; Kenneth Alan	B60R25/2081	701/1
*	G	US-5481253-A	01-1996	Phelan; Michael D.	B60R25/04	307/10.6
*	H	US-20160001718-A1	01-2016	Laifenfeld; Moshe	H04W84/005	701/32.7
*	I	US-20160001715-A1	01-2016	Laifenfeld; Moshe	B60R16/023	701/32.7
*	J	US-20150350750-A1	12-2015	YUN; Doo Seop	H04Q9/00	340/870.07
*	K	US-20140358376-A1	12-2014	Phelan; Michael	B60W40/08	701/41
*	L	US-20100161171-A1	06-2010	Valentine; Eric Lee	B65B37/04	701/31.4
*	M	US-20100087986-A1	04-2010	LAL; DHANANJAY	B60R16/027	701/36

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

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

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

Notice of References Cited

Part of Paper No. 20220531

Notice of References Cited	Application/Control No. 16/288,877		Applicant(s)/Patent Under Reexamination Phelan, Michael	
	Examiner JONATHAN M DAGER		Art Unit 3663	Page 2 of 4

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20100045452-A1	02-2010	Periwal; Neeraj	B60Q9/00	340/439
*	B	US-20090189736-A1	07-2009	Hayashi; Hitoshi	G06F21/32	340/5.81
*	C	US-20090079555-A1	03-2009	Aguirre De Carcer; Giadha	G07C5/008	701/2
*	D	US-20090069954-A1	03-2009	ALADESUYI; Kayode	B60R25/33	701/2
*	E	US-20090030770-A1	01-2009	Hersh; Richard	G06Q50/28	340/988
*	F	US-20090027177-A1	01-2009	Hodder; David John	B60R25/04	340/426.11
*	G	US-20090024273-A1	01-2009	Follmer; Todd	G06Q10/10	701/33.4
*	H	US-20080319602-A1	12-2008	McClellan; Scott	G07C5/085	701/31.4
*	I	US-20080269979-A1	10-2008	Hermann; Thomas	H04L41/082	701/29.6
*	J	US-20080245598-A1	10-2008	Gratz; Rosemarie M.	B60R25/25	701/469
*	K	US-20080039998-A1	02-2008	Fein; Gene	G06Q30/00	701/36
*	L	US-20070200663-A1	08-2007	White; Steve	B60R25/255	340/5.31
*	M	US-20070158128-A1	07-2007	Gratz; Rosemarie M.	B60R25/252	180/282

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	P					
	Q					
	R					
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NON-PATENT DOCUMENTS

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

Notice of References Cited	Application/Control No. 16/288,877		Applicant(s)/Patent Under Reexamination Phelan, Michael	
	Examiner JONATHAN M DAGER		Art Unit 3663	Page 3 of 4

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
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*	B	US-20070129056-A1	06-2007	Cheng; Russel	H04L51/212	455/418
*	C	US-20070082706-A1	04-2007	Campbell; Douglas C.	G10L15/22	704/E15.04
*	D	US-20060212195-A1	09-2006	Veith; Gregory W.	G06Q10/06	701/33.4
*	E	US-20060200008-A1	09-2006	Moore-Ede; Martin	B60K28/06	128/920
*	F	US-20060122749-A1	06-2006	Phelan; Joseph	G07C5/08	701/33.4
*	G	US-20060111817-A1	05-2006	Phelan; Joseph	G07C5/008	701/1
*	H	US-20060106515-A1	05-2006	Phelan; Joseph	G07C5/008	701/33.4
*	I	US-20060066149-A1	03-2006	Holloway; Lane Thomas	B60R25/24	340/5.2
*	J	US-20060047419-A1	03-2006	Diendorf; John R.	G06Q10/08	340/552
*	K	US-20050288837-A1	12-2005	Wiegand, Michael	B60R16/037	701/36
*	L	US-20050237150-A1	10-2005	Sun, Hao	G07C9/00563	340/426.22
*	M	US-20050182538-A1	08-2005	Phelan, Joseph	G07C5/0858	701/33.4

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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.

<i>Notice of References Cited</i>	Application/Control No. 16/288,877		Applicant(s)/Patent Under Reexamination Phelan, Michael	
	Examiner JONATHAN M DAGER		Art Unit 3663	Page 4 of 4

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*	A	US-20050137757-A1	06-2005	Phelan, Joseph	G07C5/02	701/1
*	B	US-20040225557-A1	11-2004	Phelan, Joseph	G01M17/00	701/1
*	C	US-20040064221-A1	04-2004	DePrez, Mary K.	G01D21/00	701/2
*	D	US-20030231550-A1	12-2003	Macfarlane, Jane F.	B60R25/257	340/5.72
*	E	US-20030204290-A1	10-2003	Sadler, John G.	G06V40/10	701/1
*	F	US-20030181822-A1	09-2003	Victor, Trent	A61B5/1114	600/558
*	G	US-20020049538-A1	04-2002	Knapton, Cary Paul	G01C21/28	701/472
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FOREIGN 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.

<i>Search Notes</i> 	Application/Control No. 16/288,877	Applicant(s)/Patent Under Reexamination Phelan, Michael
	Examiner JONATHAN M DAGER	Art Unit 3663

CPC - Searched*		
Symbol	Date	Examiner
B60W 50/ALL	07/30/2021	JD

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

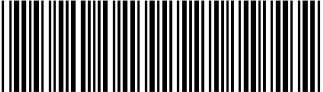
US Classification - Searched*			
Class	Subclass	Date	Examiner

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

Search Notes		
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REVIEW OF PARENT CASES	07/30/2021	JD
IDS	07/30/2021	JD
EAST	07/30/2021	JD
PE2E	11/04/2021	JD

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	B60W 50	11/04/2021	JD
701	48	05/31/2022	JD
B60W	50	05/31/2022	JD

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Issue Classification 	Application/Control No. 16/288,877	Applicant(s)/Patent Under Reexamination Phelan, Michael
	Examiner JONATHAN M DAGER	Art Unit 3663

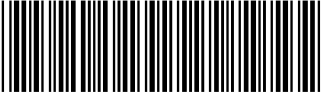
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H04L	/	67	/	12	I	2013-01-01
B60W	/	2040	/	0809	A	2013-01-01
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CPC Combination Sets					
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(Assistant Examiner)	(Date)	20	
/JONATHAN M DAGER/ Primary Examiner, Art Unit 3663	31 May 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	5

U.S. Patent and Trademark Office

Part of Paper No.: 20220531

Issue Classification 	Application/Control No. 16/288,877	Applicant(s)/Patent Under Reexamination Phelan, Michael
	Examiner JONATHAN M DAGER	Art Unit 3663

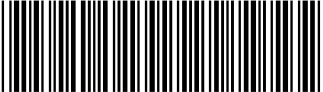
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CLAIMED			
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NON-CLAIMED			

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/JONATHAN M DAGER/ Primary Examiner, Art Unit 3663	31 May 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	5

Issue Classification 	Application/Control No. 16/288,877	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) 31 May 2022		O.G. Print Claim(s) 1	O.G. Print Figure 5

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
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L2	7394	L1 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	ON	2011/09/30 02:29 PM
L3	1220	L2 and ((user or driver or operator) with (file or profile))	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2011/09/30 02:30 PM
L4	883	L3 and ((user or driver or operator) with (authenticat\$4 or biometric or keyword or password or code or identify\$4 or identification))	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2011/09/30 02:30 PM
L5	57	L3 and (((user or driver or operator) with (authenticat\$4 or biometric or keyword or password or code or identify\$4 or identification)) same terminal)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2011/09/30 02:31 PM
L6	13	L5 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	ON	2011/09/30 02:32 PM
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L8	115297	L7 and ((user or driver or operator) with (file or profile))	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2011/09/30 02:40 PM
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		or operator) with (pin or authenticat\$4 or biometric or keyword or password or code or identify\$4 or identification)) same terminal)	FPRS; EPO; JPO; DERWENT)				02:41 PM
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L26	586	L25 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	ON	2011/10/03 09:57 AM
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L61	46	phelan.in. and vehicle and radio and identif\$	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:18 PM
L62	46	phelan.in. and vehicle and radio and (identif\$\$4 or identification)	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:19 PM
L63	46	phelan.in. and vehicle and radio and (identif\$4 or identification)	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:19 PM
L64	1	L63 and authentication	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:19 PM
L65	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	OFF	2012/09/25 03:21 PM
L66	1	L65 and (radio same (alert\$4 or alarm\$4))	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:22 PM
L67	25	(US-20090079555-\$ or	(US-PGPUB; USPAT)	OR	OFF	OFF	2012/09/25

		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.					07:46 PM
L68	36	PHELAN.IN. and ("307" or "180" or "701" or "340" or "180").clas.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2012/12/13 02:22 PM
L69	8	L68 and gps and profile	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2012/12/13 02:23 PM
L70	1	"12196509"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2014/05/15 07:09 PM
L71	213	phelan.in. and unique	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/05/15 07:09 PM
L72	29	phelan.in. and (unique with code)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/05/15 07:10 PM
L73	15	phelan.in. and (unique with code) and driver	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/05/15 07:10 PM
L74	2	"6633800".pn.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2014/05/20 11:59 AM
L75	2	"20060224280"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2014/05/20 12:00 PM
L76	0	"13858930"	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2014/08/29 10:46 AM
L77	2	"12496509"	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2014/08/29 10:56 AM
L78	16	phelan.in. and (unique with code) and driver	(US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	ON	2014/08/29 12:32 PM

L79	5	("2010/0004818").URP N.	DERWENT) (USPAT)	OR	ON	ON	2014/08/29 12:32 PM
L80	20	phelan.in. and (unique with code) and driver	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2015/01/30 11:50 AM
L81	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	ON	2015/06/19 11:51 AM
L82	7	L81 and pin	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2015/06/19 11:51 AM
L83	20	L81 and (pin or code)	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2015/06/19 11:51 AM
L84	6	"11742091"	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2015/06/19 12:02 PM
L85	74	("20020049538" "20020096572" "20020135466" "20030078709" "20030181822" "20040010358" "20040019416" "20040085189" "20040092253" "20040124968" "20040158373" "20040225557" "20050030184" "20050134477" "20050137757"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/06/19 12:03 PM

L86	13	"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. ("20030204290" "20060066149" "20070046425" "20070143482" "20080093445" "20080255722" "20090069954" "20100004818" "20100045452" "20110254655" "7548491").PN. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/06/19 12:07 PM
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L87	2	("8463488").URPN. "20030231550"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/06/19 12:16 PM
L88	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	ON	2015/06/19 12:18 PM
L89	8	L81 and ((alcohol or drinking or inebriat\$4 or impair) with (driver or user))	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2015/06/19 12:19 PM
L90	7	L89 and (vehicle same (location or gps) same speed)	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2015/06/19 12:19 PM
L91	4	("2006/0066149").URP N.	(USPAT)	OR	ON	ON	2015/06/22 11:17 AM
L92	6	("2009/0069954").URP N.	(USPAT)	OR	ON	ON	2015/06/22 11:30 AM
L93	39	(US-20090079555-\$ or US-20090069954-\$ or US-20090030770-\$ or US-20090024273-\$ or US-20080319602-\$ or US-20080245598-\$ or	(US-PGPUB; USPAT)	OR	ON	ON	2015/06/22 11:33 AM

		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.					
L94	29	L93 and (driver with (identif\$ or authenticat\$4))	(US-PGPUB; USPAT)	OR	ON	ON	2015/06/22 11:33 AM
L95	3	("2008/0269979").URPN.	(USPAT)	OR	ON	ON	2015/06/22 11:39 AM
L96	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	ON	2015/06/22 11:39 AM
L97	21	L94 and gps	(US-PGPUB; USPAT)	OR	ON	ON	2015/06/22 11:41 AM

L98	2795	wireless same vehicle same architecture	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2016/03/02 11:08 AM
L99	12	(wireless same vehicle same architecture) and (wireless with ecu with communication)	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2016/03/02 11:08 AM
L100	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	ON	2016/03/02 11:10 AM
L101	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	ON	2016/03/02 11:11 AM
L102	2	"20040064221"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/02 11:19 AM
L103	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-PGPUB; USPAT)	OR	ON	ON	2016/03/02 11:40 AM

		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.					
L104	3	L103 and ((inhibit\$4 or restrict\$4) with (phone or cellular))	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2016/03/02 11:41 AM
L105	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	ON	2016/03/02 11:42 AM
L106	1	"20120283911"	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2016/03/04 10:00 AM
L107	37	phelan.in. and (unique with code)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2016/06/20 10:44 AM
L109	6	"12496509"	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2017/02/13 11:20 AM
L110	7785	vehicle same parent\$4 same control\$4	(US-PGPUB; USPAT; USOCR; EPO; JPO;	OR	OFF	OFF	2017/02/14 11:53 AM

L111	95	phelan.in. and vehicle and radio and (identification)	DERWENT) (US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/02/14 11:54 AM
L112	23	phelan.in. and (unique with code) and driver	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2017/02/14 11:54 AM
L115	1	"8417415".PN.	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2017/06/01 10:34 AM
L116	6	"13858930"	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2017/06/01 10:36 AM
L117	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-	(US-PGPUB; USPAT)	OR	ON	ON	2017/06/01 11:08 AM

L118	12	8751105-\$ or US-8751104-\$ or US-8463488-\$ or US-8131441-\$).did. L117 and (vehicle same (speed with gps))	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2017/06/01 11:08 AM
L119	36	phelan.in. and (unique with code)	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2017/06/01 11:31 AM
L120	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	ON	2017/06/01 11:39 AM

L121	58	("2004/0225557").URP N.	(USPAT)	OR	ON	ON	2017/08/02 11:29 AM
L126	2	"14712124"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/16 11:04 AM
L127	7	"13858930"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/16 11:05 AM
L128	1	"8417415".pn.	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/16 11:12 AM
L129	1	"9045101".pn.	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/21 09:11 AM
L130	2	"9493149"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/21 09:12 AM
L131	7	"13858930"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/21 09:14 AM
L132	2	"9493149"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/21 09:15 AM
L133	3	"14464188"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/21 09:44 AM
L134	8	"12496509"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/21 09:53 AM
L135	0	"15898322"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/22 08:47 AM
L136	3	"14464188"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/22 08:47 AM
L139	6	phelan.in. and dager.xp.	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2020/09/09 09:55 AM
L140	12	"12496509"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2020/09/09 10:07 AM
L141	1	"16288877"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2020/09/09 10:08 AM
L142	4	"15336110"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2020/09/09 10:09 AM
L143	5	"14464188"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2020/09/09 10:10 AM
L144	4	"14712124"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2020/09/09 10:14 AM
L145	46	("20020049538" "20030181822" "20030204290" "20030231550" "20040064221" "20040225557" "20050137757" "20050182538" "20050237150" "20050288837" "20060047419" "20060066149" "20060106515" "20060111817" "20060122749" "20060200008" "20060212195" "20070082706" "20070158128" "20070200663" "20080039998" "20080245598" "20080269979" "2008	(US-PGPUB; USPAT)	OR	ON	ON	2021/07/29 12:16 PM

		0319602 "20090024273 "20090027177 "20090030770 "20090069954 "20090079555 "20090189736 "20100004818 "20100045452 "20100161171 "20150350750 "20160001715 "20160001718 "20170106877 "20180251132 "5481253 "6430488 "6741920 "7956730 "8131441 "8258939 "8463488 "8751105").PN.					
L146	4	"15336110"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2021/07/29 01:51 PM
L147	5	"14464188"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2021/07/29 02:01 PM
L148	11	"13858930"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2021/07/30 08:36 AM
L149	12	"12496509"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2021/07/30 08:43 AM
L150	12	"12496509"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2021/07/30 09:46 AM
L151	2	"15898322"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2021/07/30 09:50 AM
L152	46	("20020049538 "20030181822 "20030204290 "20030231550 "20040064221 "20040225557 "20050137757 "20050182538 "20050237150 "20050288837 "20060047419 "20060066149 "20060106515 "20060111817 "20060122749 "20060200008 "20060212195 "20070082706 "20070158128 "20070200663 "20080039998 "20080245598 "20080269979 "20080319602 "20090024273 "20090027177 "20090030770 "20090069954 "20090079555 "20090189736 "20100004818 "20100045452 "20100161171 "20150350750 "20160001715 "	(US-PGPUB; USPAT)	OR	ON	ON	2021/07/30 09:57 AM

		20160001718" "20170106877" "20180251132" "5481253" "6430488" "6741920" "7956730" "8131441" "8258939" "8463488" "8751105").PN.					
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PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N108	33	phelan.in. and (unique with code)	(US-PGPUB; USPAT)	OR	ON	ON	2016/06/20 10:51 AM
N113	34	phelan.in. and (unique with code)	(US-PGPUB; USPAT)	OR	ON	ON	2017/02/14 11:39 AM
N114	0	("2014/0358376").URP N.	(USPAT)	OR	ON	ON	2017/02/14 11:47 AM
N122	37	phelan.in. and (unique with code)	(US-PGPUB; USPAT)	OR	ON	ON	2017/10/18 11:50 AM
N123	8	N122 and profile	(US-PGPUB; USPAT)	OR	ON	ON	2017/10/18 11:50 AM
N124	0	("2017/0106877").URP N.	(USPAT)	OR	ON	ON	2017/10/18 11:52 AM
N125	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	ON	2017/10/18 11:52 AM
N137	27	phelan.in. and (MASTER AND SLAVE)	(US-PGPUB; USPAT)	OR	ON	ON	2018/12/10 09:12 AM
N138	0	("2017/0106877").URP N.	(USPAT)	OR	ON	ON	2018/12/10 09:12 AM

N139	32	phelan.in. and (MASTER AND SLAVE)	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 08:48 AM
N140	1461	phelan.in. OR (b60250\$4.cpc.)	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 08:51 AM
N141	14	140 AND master AND slave AND (usage WITH vehicle)	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 08:51 AM

Bibliographic Data

Application No: 16/288,877

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.
02/28/2019	701	3663	PHELAN-1001CON6
RULE			

APPLICANTS

INVENTORS

Michael Phelan, Santa Fe, NM, UNITED STATES

CONTINUING DATA

This application is a CON of 15336110 10/27/2016 PAT 10259470

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

03/18/2019

** SMALL ENTITY **

STATE OR COUNTRY

UNITED STATES

ADDRESS

Ortiz & Lopez, PLLC

P.O. Box 4484

Albuquerque, NM 87196-4484

UNITED STATES

FILING FEE RECEIVED

\$785

Application Number * 16/288,877 *	Application/Control No. 16/288,877	Applicant(s)/Patent under Reexamination Phelan, Michael	
	Examiner DAGER, JONATHAN M	Art Unit 3663	
Document Code - DISQ		Internal Document - DO NOT MAIL	

TERMINAL DISCLAIMER	☒ APPROVED	☐ DISAPPROVED
Date Filed: <u>25 January 2022</u>	This patent is subject to a Terminal Disclaimer	

Approved/Disapproved by:
/LAWANA R HIXON/ Technology Center: <u>OPLC</u> Telephone: <u>(571)272-6074</u> _____

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.

**TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING
REJECTION OVER A "PRIOR" PATENT**Docket Number (Optional)
PHELAN-1001CONS

In re Application of: Michael Phelan

Application No.: 16/288,877

Filed: February 28, 2019

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

The applicant, Michael Phelan, owner of 100 percent interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent No. SEE ATTACHMENT as the term of said prior patent is presently shortened by any terminal disclaimer. The applicant 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 applicant 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.

Check either box 1 or 2 below, if appropriate.

1. ☒ The undersigned is the applicant. If the applicant is an assignee, the undersigned is authorized to act on behalf of the assignee.

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

2. ☐ The undersigned is an attorney or agent of record. Reg. No. _____



Signature

January 3, 2022
DateMichael Phelan
Typed or printed nameInventor
Title505-820-1685
Telephone Number

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

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

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

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.

ATTACHMENT TO TERMINAL DISCLAIMER

PATENTS:

U.S. Patent No. 9,908,508

U.S. Patent No. 10,259,465

U.S. Patent No. 9,045,101

U.S. Patent No. 8,417,415

Electronic Acknowledgement Receipt	
EFS ID:	44828615
Application Number:	16288877
International Application Number:	
Confirmation Number:	6548
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
Filer Authorized By:	
Attorney Docket Number:	PHELAN-1001CON6
Receipt Date:	25-JAN-2022
Filing Date:	28-FEB-2019
Time Stamp:	14:32:30
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	Terminal Disclaimer Filed	PHELAN-1001CON6_TD_Update.pdf	2056878 ef43ed1600786bd9edb1e6253a93f2669ab12723	no	3

Warnings:

Information:	
Total Files Size (in bytes):	2056878
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
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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/288,877	02/28/2019	Michael Phelan	PHELAN-1001CON6	6548
141361	7590	01/25/2022	EXAMINER	
Ortiz & Lopez, PLLC P.O. Box 4484 Albuquerque, NM 87196-4484			DAGER, JONATHAN M	
			ART UNIT	PAPER NUMBER
			3663	
			NOTIFICATION DATE	DELIVERY MODE
			01/25/2022	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

Advisory Action Before the Filing of an Appeal Brief	Application No. 16/288,877	Applicant(s) Phelan, Michael	
	Examiner JONATHAN M DAGER	Art Unit 3663	AIA (FITF) Status Yes

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

THE REPLY FILED 11 January 2022 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

NO NOTICE OF APPEAL FILED

1. ☒ The reply was filed after a final rejection. No Notice of Appeal has been filed. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114 if this is a utility or plant application. Note that RCEs are not permitted in design applications. The reply must be filed within one of the following time periods:

a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.

b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action; or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

c) ☐ A prior Advisory Action was mailed more than 3 months after the mailing date of the final rejection in response to a first after-final reply filed within 2 months of the mailing date of the final rejection. The current period for reply expires _____ months from the mailing date of the prior Advisory Action or SIX MONTHS from the mailing date of the final rejection, whichever is earlier.

Examiner Note: If box 1 is checked, check either box (a), (b) or (c). ONLY CHECK BOX (b) WHEN THIS ADVISORY ACTION IS THE FIRST RESPONSE TO APPLICANTS FIRST AFTER-FINAL REPLY WHICH WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. ONLY CHECK BOX (c) IN THE LIMITED SITUATION SET FORTH UNDER BOX (c). See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) or (c) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37CFR 41.37(a).

AMENDMENTS

3. ☐ The proposed amendments filed after a final rejection, but prior to the date of filing a brief, will not be entered because

a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);

b) ☐ They raise the issue of new matter (see NOTE below);

c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or

d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____ (See 37CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5. ☐ Applicants reply has overcome the following rejection(s): _____

6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7. ☐ For purposes of appeal, the proposed amendment(s): (a) ☐ will not be entered, or (b) ☐ will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

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

9. ☐ The affidavit or other evidence filed after final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

10. ☐ The affidavit or other evidence filed after the date of filing the Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

11. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

12. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:
See Continuation Sheet.

13. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). _____

14. ☐ Other: _____

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____.

Claim(s) objected to: _____.

Claim(s) rejected: 1-20.

Claim(s) withdrawn from consideration: _____.

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

Continuation of REQUEST FOR RECONSIDERATION/OTHER 12. The request for reconsideration has been considered but does NOT place the application in condition for allowance because: Terminal disclaimer filed 11 January 2021 has been disapproved; the TD filed has box 2 selected, yet the signature is not an attorney or agent of record (box 1 should have been selected)

Application Number * 16/288,877 *	Application/Control No. 16/288,877	Applicant(s)/Patent under Reexamination Phelan, Michael	
	Examiner DAGER, JONATHAN M	Art Unit 3663	
Document Code - DISQ		Internal Document - DO NOT MAIL	

TERMINAL DISCLAIMER	☐ APPROVED	☒ DISAPPROVED
Date Filed: <u>11 January 2022</u>	This patent is subject to a Terminal Disclaimer	

Approved/Disapproved by:
Td disapproved. See below for reasosns. Technology Center: <u>OPLC</u> Telephone: <u>(571)272-6074</u> <u>The td filed has box 2 selected. The persons signing TD is the inventor not an attorney or agent of record.</u> <u>Select box 1 as or for the inventor.</u> <u>Also resubmit Td, no fee is required.</u> <u>/Lawana Hixon/</u>

**TERMINAL DISCLAIMER TO OBTAIN A DOUBLE PATENTING
REJECTION OVER A "PRIOR" PATENT**

Docket Number (Optional)
PHELAN-1001CON6

In re Application of: Michael Phelan

Application No.: 16/288,877

Filed: February 28, 2019

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

The applicant, Michael Phelan, owner of 100 percent interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent No. SEE ATTACHMENT, as the term of said prior patent is presently shortened by any terminal disclaimer. The applicant 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.

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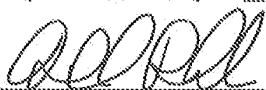
- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
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- is in any manner terminated prior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

Check either box 1 or 2 below, if appropriate.

1. ☐ The undersigned is the applicant. If the applicant is an assignee, the undersigned is authorized to act on behalf of the assignee.

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

2. ☒ The undersigned is an attorney or agent of record. Reg. No. 41953



Signature

January 3, 2022

Date

Michael Phelan

Typed or printed name

Inventor

Title

305-820-1685

Telephone Number

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

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

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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.
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ATTACHMENT TO TERMINAL DISCLAIMER

PATENTS:

U.S. Patent No. 9,908,508

U.S. Patent No. 10,259,465

U.S. Patent No. 9,045,101

U.S. Patent No. 8,417,415

Electronic Acknowledgement Receipt	
EFS ID:	44718354
Application Number:	16288877
International Application Number:	
Confirmation Number:	6548
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
Filer Authorized By:	
Attorney Docket Number:	PHELAN-1001CON6
Receipt Date:	11-JAN-2022
Filing Date:	28-FEB-2019
Time Stamp:	14:58:57
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	Response After Final Action	PHELAN-1001CON6_RplyFnL.pdf	71290	no	2
			84c8ef91c138934dffe2e0e98a6de502df382c8e		

Warnings:

Information:					
2	Terminal Disclaimer Filed	PHELAN-1001CON6_TD_Signed.pdf	1100341	no	3
			ba9bf3152e0ecf8bb0660f7dc81fd75af0558746		
Warnings:					
Information:					
Total Files Size (in bytes):			1171631		
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.					

Patent Application Serial No. 16/288,877

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	Michael Phelan	EXAMINER:	DAGER, JONATHAN M
SERIAL NO.:	16/288,877	ART UNIT:	3663
FILED:	February 28, 2019	ATTY DKT NO.:	PHELAN-1001CON6
TITLE:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE		

Please forward all correspondence to:

Ortiz & Lopez, PLLC
P.O. Box 4484
Albuquerque, NM 87196-4484
(505) 314-1310

Mail Stop Non-Fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY TO FINAL OFFICE ACTION

Dear Examiner:

In response to the final Office Action dated November 9, 2021 ('the Office Action') in the above captioned matter, please enter the following amendments and remarks.

Remarks begin on Page 2 of this Paper.

An updated signed terminal disclaimer is being submitted with this reply.

REMARKS

I. Terminal Disclaimer

In reply to the final Office Action of November 9, 2021, an updated terminal disclaimer signed by the Applicant is provided with this response.

II. Conclusion

The Applicant submits that 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: January 11, 2022

/Kermit D. Lopez/

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/288,877	02/28/2019	Michael Phelan	PHELAN-1001CON6	6548
141361	7590	11/09/2021	EXAMINER	
Ortiz & Lopez, PLLC P.O. Box 4484 Albuquerque, NM 87196-4484			DAGER, JONATHAN M	
			ART UNIT	PAPER NUMBER
			3663	
			NOTIFICATION DATE	DELIVERY MODE
			11/09/2021	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

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Terminal Disclaimer

2. This application was filed on or after September 16, 2012. The person who signed the terminal disclaimer is not the applicant, the patentee or an attorney or agent of record. See 37 CFR 1.321(a) and (b).

Double Patenting

3. 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 § 2146 *et seq.* 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-L.jsp.

3a. Claims 11-14 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 11-14 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 the claims of the instant application are already encompassed by that of the patent.

3b. Claims 1-20 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-20 of U.S. Patent No. 10,259,465. Although the claims at issue are

not identical, they are not patentably distinct from each other because the claims of the application are already encompassed by those of the patent.

3c. Claims 11-20 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 11-20 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 claims of the application are already encompassed by those of the patent.

3d. Claims 11-13 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 11-13 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 claims of the application are already encompassed by those of the patent.

Prior Art

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

Response to Arguments

5. Applicant's contention (see pages 8-9, section I filed 01 November 2021) with respect to the non-statutory double patenting rejection of the claims has been fully considered and is not persuasive.

Applicant has contended the submission of the terminal disclaimer has negated the prior rejection to the claims; the examiner respectfully disagrees, as stated above the person who signed the terminal disclaimer is not the applicant, the patentee or an attorney or agent of record. See 37 CFR 1.321(a) and (b). It is also suggested to resubmit (or refile) the terminal disclaimer that is signed by the applicant. No new fee is required.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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
04 November 2021

Notice of References Cited	Application/Control No. 16/288,877		Applicant(s)/Patent Under Reexamination Phelan, Michael	
	Examiner JONATHAN M DAGER		Art Unit 3663	Page 1 of 4

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*		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	701/36
*	B	US-8463488-B1	06-2013	Hart; Paul	G08G1/20	701/32.3
*	C	US-8258939-B2	09-2012	Miller; Thomas Lee	B60R21/01546	340/457.1
*	D	US-8131441-B2	03-2012	Nallapa; Venkatapathi Raju	B60W30/188	701/87
*	E	US-6741920-B1	05-2004	Otto; Richard E.	B60R16/037	340/5.6
*	F	US-6430488-B1	08-2002	Goldman; Kenneth Alan	B60R25/00	701/36
*	G	US-5481253-A	01-1996	Phelan; Michael D.	B60R25/04	307/10.2
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*	I	US-20160001715-A1	01-2016	Laifenfeld; Moshe	B60R16/023	701/32.7
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*	K	US-20140358376-A1	12-2014	Phelan; Michael	B60W10/04	701/41
*	L	US-20100161171-A1	06-2010	Valentine; Eric Lee	B22D11/12	701/31.4
*	M	US-20100087986-A1	04-2010	LAL; DHANANJAY	B60R16/027	701/36

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Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

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

Notice of References Cited

Part of Paper No. 20211104

Notice of References Cited	Application/Control No. 16/288,877		Applicant(s)/Patent Under Reexamination Phelan, Michael	
	Examiner JONATHAN M DAGER		Art Unit 3663	Page 2 of 4

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*	A	US-20100045452-A1	02-2010	Periwal; Neeraj	B60Q9/00	340/439
*	B	US-20090189736-A1	07-2009	Hayashi; Hitoshi	G06F21/32	340/5.81
*	C	US-20090079555-A1	03-2009	Aguirre De Carcer; Giadha	G07C5/008	340/441
*	D	US-20090069954-A1	03-2009	ALADESUYI; Kayode	B60R25/33	701/2
*	E	US-20090030770-A1	01-2009	Hersh; Richard	G06Q10/087	705/7.13
*	F	US-20090027177-A1	01-2009	Hodder; David John	B60R25/04	340/426.12
*	G	US-20090024273-A1	01-2009	Follmer; Todd	G06Q40/08	701/33.4
*	H	US-20080319602-A1	12-2008	McClellan; Scott	G07C5/008	701/31.4
*	I	US-20080269979-A1	10-2008	Hermann; Thomas	H04L41/082	701/29.6
*	J	US-20080245598-A1	10-2008	Gratz; Rosemarie M.	B60R25/257	180/287
*	K	US-20080039998-A1	02-2008	Fein; Gene	G06Q30/00	701/36
*	L	US-20070200663-A1	08-2007	White; Steve	B60K28/063	340/5.31
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Notice of References Cited	Application/Control No. 16/288,877		Applicant(s)/Patent Under Reexamination Phelan, Michael	
	Examiner JONATHAN M DAGER		Art Unit 3663	Page 3 of 4

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*	A	US-20070155368-A1	07-2007	Phelan; James Daniel	H04W8/245	455/412.1
*	B	US-20070129056-A1	06-2007	Cheng; Russel	H04L51/38	455/405
*	C	US-20070082706-A1	04-2007	Campbell; Douglas C.	G10L15/26	455/563
*	D	US-20060212195-A1	09-2006	Veith; Gregory W.	G07C5/085	701/33.4
*	E	US-20060200008-A1	09-2006	Moore-Ede; Martin	B60K28/06	600/300
*	F	US-20060122749-A1	06-2006	Phelan; Joseph	G01M17/00	701/33.4
*	G	US-20060111817-A1	05-2006	Phelan; Joseph	G07C5/02	701/1
*	H	US-20060106515-A1	05-2006	Phelan; Joseph	G01M17/00	701/33.4
*	I	US-20060066149-A1	03-2006	Holloway; Lane Thomas	B60R25/24	307/10.3
*	J	US-20060047419-A1	03-2006	Diendorf; John R.	G06Q10/08	701/532
*	K	US-20050288837-A1	12-2005	Wiegand, Michael	B60R16/037	701/36
*	L	US-20050237150-A1	10-2005	Sun, Hao	G07C9/00182	340/5.52
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	Examiner JONATHAN M DAGER		Art Unit 3663	Page 4 of 4

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*	B	US-20040225557-A1	11-2004	Phelan, Joseph	G07C5/02	701/1
*	C	US-20040064221-A1	04-2004	DePrez, Mary K.	F02D11/105	701/2
*	D	US-20030231550-A1	12-2003	Macfarlane, Jane F.	B60R25/257	367/198
*	E	US-20030204290-A1	10-2003	Sadler, John G.	G06K9/00362	701/1
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*	G	US-20020049538-A1	04-2002	Knapton, Cary Paul	G01C21/28	701/472
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<i>Search Notes</i> 	Application/Control No. 16/288,877	Applicant(s)/Patent Under Reexamination Phelan, Michael
	Examiner JONATHAN M DAGER	Art Unit 3663

CPC - Searched*		
Symbol	Date	Examiner
B60W 50/ALL	07/30/2021	JD

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 CASES	07/30/2021	JD
IDS	07/30/2021	JD
EAST	07/30/2021	JD
PE2E	11/04/2021	JD

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	B60W 50	11/04/2021	JD

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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
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L2	7394	L1 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	ON	2011/09/30 02:29 PM
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L5	57	L3 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	ON	2011/09/30 02:31 PM
L6	13	L5 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	ON	2011/09/30 02:32 PM
L7	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	ON	2011/09/30 02:40 PM
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L13	27	L12 and (vehicle with terminal)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2011/09/30 02:44 PM
L14	1	("2007/0158128").URP N.	(USPAT)	OR	ON	ON	2011/09/30 02:48 PM
L15	0	("2008/0245598").URP N.	(USPAT)	OR	ON	ON	2011/09/30 02:48 PM
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L20	0	L19 and rfid	(US-PGPUB)	OR	ON	ON	2011/10/03 09:56 AM
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		(manager\$4 or monitor\$4 or station or database or server))	DERWENT)				
L24	115299	L23 and ((user or driver or operator) with (file or profile))	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2011/10/03 09:57 AM
L25	8210	L24 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	ON	2011/10/03 09:57 AM
L26	586	L25 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	ON	2011/10/03 09:57 AM
L27	222	L26 and gps	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2011/10/03 09:57 AM
L28	66	L27 and rfid	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2011/10/03 09:58 AM
L29	9	L28 and (fob or keyfob or "key fob")	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2011/10/03 10:02 AM
L30	25	L27 and (fob or keyfob or "key fob")	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2011/10/03 10:03 AM
L31	1024	rke	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2011/10/03 10:04 AM
L32	535	L31 and (authenticat\$4 or identif\$)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2011/10/03 10:05 AM
L33	170	L31 and ((authenticat\$4 or identif\$) with (user or driver))	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2011/10/03 10:05 AM
L34	62	L31 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	ON	2011/10/03 10:06 AM
L35	61	L34 and vehicle	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2011/10/03 10:06 AM
L36	2	L34 and ((user or driver or operator) with (file or profile))	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2011/10/03 10:06 AM

L37	1	"12496509"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2012/03/05 01:32 PM
L38	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	OFF	2012/03/05 04:28 PM
L39	9	L38 and (fault\$4 or error or malfunction or breakdown or accident)	(US-PGPUB)	OR	OFF	OFF	2012/03/05 04:28 PM
L40	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	OFF	2012/03/05 05:03 PM
L41	9	L40 and (fault\$4 or error or malfunction or breakdown or accident)	(US-PGPUB)	OR	OFF	OFF	2012/03/05 05:03 PM
L42	10	("2006/0212195").URP N.	(USPAT)	OR	OFF	OFF	2012/03/05 05:12 PM
L43	1318	phelan.in.	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/03/05 05:14 PM
L44	163	L43 and vehicle	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/03/05 05:15 PM
L45	46	L44 and ((authenticat\$4 or identif\$) with (user or driver))	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2012/03/05 05:16 PM
L46	13	L45 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	ON	2012/03/05 05:16 PM
L47	41	("20010033225" "20020022920" "20020049538"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/03/05 05:17 PM

		"20020111735" "20020123834" "20020178033" "20030195694" "20030216857" "20040083041" "20040153362" "4007438" "5797134" "5819198" "6064970" "6067489" "6438472" "6473000" "6636790" "6771176").PN. OR ("6931309").URPN.					
L48	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	OFF	2012/09/25 02:46 PM
L49	1	"12496509"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2012/09/25 02:48 PM
L50	11	L48 and (radio or audio or stereo)	(US-PGPUB)	OR	OFF	OFF	2012/09/25 03:01 PM
L51	5235	vehicle same parent\$4 same control\$4	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2012/09/25 03:06 PM
L52	46	L51 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	OFF	2012/09/25 03:07 PM
L53	51	L51 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	OFF	2012/09/25 03:08 PM
L54	118	("4477874" "4707788" "4835970" "5091856" "5124920" "5247440"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:14 PM

		"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.					
L55	82	L54 and radio	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:15 PM
L56	1014581	"9" and parent\$3	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:15 PM
L57	27	L55 and parent\$3	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:15 PM
L58	1012	phelan.in.	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:18 PM
L59	131	phelan.in. and vehicle	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:18 PM
L60	49	phelan.in. and vehicle and radio	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:18 PM
L61	46	phelan.in. and vehicle and radio and identif\$	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:18 PM
L62	46	phelan.in. and vehicle and radio and (identif\$4 or identification)	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:19 PM
L63	46	phelan.in. and vehicle and radio and (identif\$4 or identification)	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:19 PM
L64	1	L63 and authentication	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:19 PM
L65	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"	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:21 PM

		"5109221").PN. OR ("5481253").URPN.					
L66	1	L65 and (radio same (alert\$4 or alarm\$4))	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2012/09/25 03:22 PM
L67	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	OFF	2012/09/25 07:46 PM
L68	36	PHELAN.IN. and ("307" or "180" or "701" or "340" or "180").clas.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2012/12/13 02:22 PM
L69	8	L68 and gps and profile	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2012/12/13 02:23 PM
L70	1	"12196509"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2014/05/15 07:09 PM
L71	213	phelan.in. and unique	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/05/15 07:09 PM
L72	29	phelan.in. and (unique with code)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/05/15 07:10 PM
L73	15	phelan.in. and (unique with code) and driver	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/05/15 07:10 PM
L74	2	"6633800".pn.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2014/05/20 11:59 AM
L75	2	"20060224280"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2014/05/20 12:00 PM

L76	0	"13858930"	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2014/08/29 10:46 AM
L77	2	"12496509"	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2014/08/29 10:56 AM
L78	16	phelan.in. and (unique with code) and driver	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2014/08/29 12:32 PM
L79	5	("2010/0004818").URP N.	(USPAT)	OR	ON	ON	2014/08/29 12:32 PM
L80	20	phelan.in. and (unique with code) and driver	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2015/01/30 11:50 AM
L81	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	ON	2015/06/19 11:51 AM
L82	7	L81 and pin	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2015/06/19 11:51 AM
L83	20	L81 and (pin or code)	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2015/06/19 11:51 AM
L84	6	"11742091"	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2015/06/19 12:02 PM
L85	74	("20020049538" "20020096572" "20020135466" "20030078709" "20030181822" "20040010358" "20040019416"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/06/19 12:03 PM

		"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.					
L86	13	("20030204290" "20060066149"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/06/19 12:07 PM

		"20070046425" "20070143482" "20080093445" "20080255722" "20090069954" "20100004818" "20100045452" "20110254655" "7548491").PN. OR ("8463488").URPN.					
L87	2	"20030231550"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/06/19 12:16 PM
L88	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	ON	2015/06/19 12:18 PM
L89	8	L81 and ((alcohol or drinking or inebriat\$4 or impaired) with (driver or user))	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2015/06/19 12:19 PM
L90	7	L89 and (vehicle same (location or gps) same speed)	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2015/06/19 12:19 PM
L91	4	("2006/0066149").URP	(USPAT)	OR	ON	ON	2015/06/22

		N.					11:17 AM
L92	6	("2009/0069954").URP N.	(USPAT)	OR	ON	ON	2015/06/22 11:30 AM
L93	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	ON	2015/06/22 11:33 AM
L94	29	L93 and (driver with (identif\$ or authentikat\$4))	(US-PGPUB; USPAT)	OR	ON	ON	2015/06/22 11:33 AM
L95	3	("2008/0269979").URP N.	(USPAT)	OR	ON	ON	2015/06/22 11:39 AM
L96	18	("20030078709" "20040010358" "20040158373" "20050237150" "20060001523" "20060049962" "20080077298" "20080228358"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2015/06/22 11:39 AM

		"20080269979" "20090082928" "20100161171" "6445084" "6532298" "6549115" "6999858" "7038596" "7685162").PN. OR ("7979177").URPN.					
L97	21	L94 and gps	(US-PGPUB; USPAT)	OR	ON	ON	2015/06/22 11:41 AM
L98	2795	wireless same vehicle same architecture	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2016/03/02 11:08 AM
L99	12	(wireless same vehicle same architecture) and (wireless with ecu with communication)	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2016/03/02 11:08 AM
L100	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	ON	2016/03/02 11:10 AM
L101	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	ON	2016/03/02 11:11 AM
L102	2	"20040064221"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/02 11:19 AM
L103	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-PGPUB; USPAT)	OR	ON	ON	2016/03/02 11:40 AM

		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.					
L104	3	L103 and ((inhibit\$4 or restrict\$4) with (phone or cellular))	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2016/03/02 11:41 AM
L105	22	("20020078726" "20030169163" "20050200466" "20080245598" "20090195376" "20090198413" "20090312901" "20090312902" "20100004818" "20110082625" "20110137520" "6198996" "6278358" "6362734" "6501374" "6507779" "6806810" "7868750" "8421589" "8527146").PN. OR	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2016/03/02 11:42 AM

		("8751105").URPN.					
L106	1	"20120283911"	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2016/03/04 10:00 AM
L107	37	phelan.in. and (unique with code)	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2016/06/20 10:44 AM
L109	6	"12496509"	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2017/02/13 11:20 AM
L110	7785	vehicle same parent\$4 same control\$4	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2017/02/14 11:53 AM
L111	95	phelan.in. and vehicle and radio and (identif\$4 or identification)	(US-PGPUB; USPAT; USOCR)	OR	OFF	OFF	2017/02/14 11:54 AM
L112	23	phelan.in. and (unique with code) and driver	(US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2017/02/14 11:54 AM
L115	1	"8417415".PN.	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2017/06/01 10:34 AM
L116	6	"13858930"	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2017/06/01 10:36 AM
L117	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-	(US-PGPUB; USPAT)	OR	ON	ON	2017/06/01 11:08 AM

		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.					
L118	12	L117 and (vehicle same (speed with gps))	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2017/06/01 11:08 AM
L119	36	phelan.in. and (unique with code)	(US-PGPUB; USPAT; EPO; JPO)	OR	ON	ON	2017/06/01 11:31 AM
L120	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-	(US-PGPUB; USPAT)	OR	ON	ON	2017/06/01 11:39 AM

		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.					
L121	58	("2004/0225557").URP N.	(USPAT)	OR	ON	ON	2017/08/02 11:29 AM
L126	2	"14712124"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/16 11:04 AM
L127	7	"13858930"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/16 11:05 AM
L128	1	"8417415".pn.	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/16 11:12 AM
L129	1	"9045101".pn.	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/21 09:11 AM
L130	2	"9493149"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/21 09:12 AM
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L132	2	"9493149"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/21 09:15 AM
L133	3	"14464188"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/21 09:44 AM
L134	8	"12496509"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/21 09:53 AM
L135	0	"15898322"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/22 08:47 AM
L136	3	"14464188"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2018/08/22 08:47 AM
L139	6	phelan.in. and dager.xp.	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2020/09/09 09:55 AM
L140	12	"12496509"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2020/09/09 10:07 AM
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L142	4	"15336110"	(US-PGPUB; USPAT; USOCR; EPO; JPO)	OR	ON	ON	2020/09/09 10:09 AM
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L145	46	("20020049538" "20030181822" "20030204290	(US-PGPUB; USPAT)	OR	ON	ON	2021/07/29 12:16 PM

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L146	4	"15336110"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2021/07/29 01:51 PM
L147	5	"14464188"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2021/07/29 02:01 PM
L148	11	"13858930"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2021/07/30 08:36 AM
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L151	2	"15898322"	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	OFF	OFF	2021/07/30 09:50 AM
L152	46	("20020049538 "20030181822 "20030204290 "20030231550 "20040064221 "20040225557 "20050137757 "20050182538 "20050237150 "20050288837 "20060047419 "20060066149 "20060106515 "20060111817 "2006012	(US-PGPUB; USPAT)	OR	ON	ON	2021/07/30 09:57 AM

		2749 "20060200008" "20060212195" "20070082706" "20070158128" "20070200663" "20080039998" "20080245598" "20080269979" "20080319602" "20090024273" "20090027177" "20090030770" "20090069954" "20090079555" "20090189736" "20100004818" "20100045452" "20100161171" "20150350750" "20160001715" "20160001718" "20170106877" "20180251132" "5481253" "6430488" "6741920" "7956730" "8131441" "8258939" "8463488" "8751105").PN.				
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PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N108	33	phelan.in. and (unique with code)	(US-PGPUB; USPAT)	OR	ON	ON	2016/06/20 10:51 AM
N113	34	phelan.in. and (unique with code)	(US-PGPUB; USPAT)	OR	ON	ON	2017/02/14 11:39 AM
N114	0	("2014/0358376").URP N.	(USPAT)	OR	ON	ON	2017/02/14 11:47 AM
N122	37	phelan.in. and (unique with code)	(US-PGPUB; USPAT)	OR	ON	ON	2017/10/18 11:50 AM
N123	8	N122 and profile	(US-PGPUB; USPAT)	OR	ON	ON	2017/10/18 11:50 AM
N124	0	("2017/0106877").URP N.	(USPAT)	OR	ON	ON	2017/10/18 11:52 AM
N125	31	("20020049538" "20040225557" "20050137757" "20050182538" "20060047419" "20060106515" "20060111817" "20060122749" "20060200008" "20060212195" "20070082706" "20070158128" "20080245598" "20080319602" "20090024273" "20090027177" "20090030770" "20090069954"	(US-PGPUB; USPAT)	OR	ON	ON	2017/10/18 11:52 AM

		"20090079555" "20090189736" "20100004818" "5481253" "6430488" "6741920" "7956730" "8258939" "8463488" "8751104" "8751105").PN. OR ("9045101").URPN.					
N137	27	phelan.in. and (MASTER AND SLAVE)	(US-PGPUB; USPAT)	OR	ON	ON	2018/12/10 09:12 AM
N138	0	("2017/0106877").URP N.	(USPAT)	OR	ON	ON	2018/12/10 09:12 AM
N139	14	N122 and profile	(US-PGPUB; USPAT)	OR	ON	ON	2021/11/04 08:24 AM

Application Number * 16/288,877 *	Application/Control No. 16/288,877	Applicant(s)/Patent under Reexamination Phelan, Michael	
	Examiner DAGER, JONATHAN M	Art Unit 3663	
Document Code - DISQ		Internal Document - DO NOT MAIL	

TERMINAL DISCLAIMER	☐ APPROVED	☒ DISAPPROVED
Date Filed: <u>01 November 2021</u>	This patent is subject to a Terminal Disclaimer	

Approved/Disapproved by:
Td disapproved. See below for reasons. Technology Center: <u>OPLC</u> Telephone: <u>(571)272-6074</u> <u>The person who signed the terminal disclaimer is not the applicant, patentee or an attorney or agent of record. 37 CFR 1.321(a) and (b). (See FP 14.26.08).</u> <u>Please file a POA that gives power to the attorney who is signing the TD.</u> <u>Also, resubmit TD or file a TD that is signed by the applicant. No new fee required.</u> <u>/Lawana Hixon/</u>

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				Application or Docket Number 16/288,877		Filing Date 02/28/2019		☐ To be Mailed			
ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO											
APPLICATION AS FILED - PART I											
		(Column 1)	(Column 2)								
FOR		NUMBER FILED	NUMBER EXTRA	RATE (\$)		FEE (\$)					
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))		N/A	N/A	N/A							
☐ SEARCH FEE (37 CFR 1.16(k), (l), or (m))		N/A	N/A	N/A							
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		N/A	N/A	N/A							
TOTAL CLAIMS (37 CFR 1.16(j))		minus 20 =	*	x \$50 =							
INDEPENDENT CLAIMS (37 CFR 1.16(h))		minus 3 =	*	x \$230 =							
☐ 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	11/01/2021	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 \$240 =		0			
	☐ Application Size Fee (37 CFR 1.16(s))										
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
						TOTAL ADD'L FEE		0			
AMENDMENT		(Column 1)	(Column 2)	(Column 3)							
		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)		ADDITIONAL FEE (\$)				
	Total (37 CFR 1.16(i))	*	Minus	**	=	x \$0 =					
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x \$0 =					
	☐ Application Size Fee (37 CFR 1.16(s))										
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))											
						TOTAL ADD'L FEE					
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.						LIE					
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".						/VERNON A TOWLER/					
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".											
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.											

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

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

TERMINAL DISCLAIMER TO OBTAIN A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT	Docket Number (Optional) PHELAN-1001CON6
In re Application of: Michael Phelan Application No.: 16/288,877 Filed: February 28, 2019 For: DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE The applicant, <u>Michael Phelan</u>, owner of <u>100</u> percent interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent No. <u>(SEE ATTACHMENT)</u> as the term of said prior patent is presently shortened by any terminal disclaimer. The applicant 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 applicant 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. Check either box 1 or 2 below, if appropriate. 1. ☐ The undersigned is the applicant. If the applicant is an assignee, the undersigned is authorized to act on behalf of the assignee. I hereby acknowledge that any willful false statements made are punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. 2. ☒ The undersigned is an attorney or agent of record. Reg. No. <u>41953</u> <u>/Kermit Lopez/</u> Signature <u>November 1, 2021</u> Date <u>Kermit Lopez</u> Typed or printed name <u>Registered Patent Attorney</u> Title <u>505-314-1310</u> Telephone Number ☒ Terminal disclaimer fee under 37 CFR 1.20(d) included. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.	

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

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

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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.

ATTACHMENT TO TERMINAL DISCLAIMER

PATENTS:

U.S. Patent No. 9,908,508

U.S. Patent No. 10,259,465

U.S. Patent No. 9,045,101

U.S. Patent No. 8,417,415

Electronic Patent Application Fee Transmittal				
Application Number:		16288877		
Filing Date:		28-Feb-2019		
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:		PHELAN-1001CON6		
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:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
STATUTORY OR TERMINAL DISCLAIMER	2814	1	170	170
Total in USD (\$)				170

Electronic Acknowledgement Receipt	
EFS ID:	44173452
Application Number:	16288877
International Application Number:	
Confirmation Number:	6548
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
Filer Authorized By:	
Attorney Docket Number:	PHELAN-1001CON6
Receipt Date:	01-NOV-2021
Filing Date:	28-FEB-2019
Time Stamp:	15:46:53
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$170
RAM confirmation Number	E2021A1F47202120
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Terminal Disclaimer Filed	PHELAN-1001CON6_TD_11-01-2021.pdf	2707971	no	3
			fb165489696062b6e95fc6cb9ca674ec3968cb43		
Warnings:					
Information:					
2	Amendment/Req. Reconsideration-After Non-Final Reject	PHELAN-1001CON6_RNFOA_11-01-2021.pdf	103350	no	10
			5c8082f3da89894cec2dbff7556feeb0b72b6f3f		
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	37762	no	2
			0780cc28d22644a5bde6fb6ea4309b7793f803f3		
Warnings:					
Information:					
Total Files Size (in bytes):			2849083		
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.					

Patent Application Serial No. 16/288,877

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	Michael Phelan	EXAMINER:	DAGER, JONATHAN M
SERIAL NO.:	16/288,877	ART UNIT:	3663
FILED:	February 28, 2019	ATTY DKT NO.:	PHELAN-1001CON6
TITLE:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE		

Please forward all correspondence to:

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Mail Stop Non-Fee Amendment
Commissioner for Patents
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Alexandria, VA 22313-1450

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

Dear Examiner:

In response to the non-final Office Action dated August 3, 2021 ("the Office Action") in the above captioned matter, please enter the following amendments and remarks.

The current claim listing begins on Page 2 of this Paper.

Remarks begin on Page 8 of this Paper.

A Terminal Disclaimer is being submitted with this reply.

CLAIM LISTING

The current listing of claims is as follows:

1. (Original) 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. (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. (Original) 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. (Original) 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

Patent Application Serial No. 16/288,877

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. (Original) 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.

Patent Application Serial No. 16/288,877

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

17. (Original) 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.

Patent Application Serial No. 16/288,877

18. (Original) 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. (Original) 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. (Original) 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.

REMARKS

I. Double Patenting Rejection

In the non-final Office Action of August 3, 2021, claims 11-14 were rejected on the ground of nonstatutory double patenting as being unpatentable over claims 11-14 of U.S. Patent No. 9,908,508. The Office Action contends that although the claims at issue are not identical, they are not patentably distinct from each other because the claims of the application are already encompassed by those of the patent.

In the non-final Office Action of August 3, 2021, claims 1-20 were also rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-20 of U.S. Patent No. 10,259,465. The Office Action contends that although the claims at issue are not identical, they are not patentably distinct from each other because the claims of the application are already encompassed by those of the patent.

In the non-final Office Action of August 3, 2021, claims 11-20 were rejected on the ground of nonstatutory double patenting as being unpatentable over claims 11-20 of U.S. Patent No. 9,045,101. The Office Action contends that although the claims at issue are not identical, they are not patentably distinct from each other because the claims of the application are already encompassed by those of the patent.

In the non-final Office Action of August 3, 2021, claims 11-13 were rejected on the ground of nonstatutory double patenting as being unpatentable over claims 11-13 of U.S. Patent No. 9,908,508. The Office Action contends that although the claims at issue are not identical, they are

Patent Application Serial No. 16/288,877

not patentably distinct from each other because the claims of the application are already encompassed by those of the patent.

In response to the double patent rejection, the Applicant is submitting herewith, a terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d), which overcomes the double patenting rejection. This terminal disclaimer lists the following patents in the attachment to the Terminal Disclaimer:

U.S. Patent No. 9,908,508

U.S. Patent No. 10,259,465

U.S. Patent No. 9,045,101

U.S. Patent No. 8,417,415

Given the submission of this terminal disclaimer, the Applicant submits that the double patenting rejection is traversed. The Applicant respectfully requests withdrawal of the aforementioned double patenting rejection.

II. Prior Art

The Office Action of August 3, 2021 noted that none of the prior art cited could anticipate or be combined to render obvious the claimed invention. Upon resolution of the above cited issues, the claims will be in condition for allowance.

III. Conclusion

The Applicant submits that 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 1, 2021

/Kermit D. Lopez/

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/288,877	02/28/2019	Michael Phelan	PHELAN-1001CON6	6548
141361	7590	08/03/2021	EXAMINER	
Ortiz & Lopez, PLLC			DAGER, JONATHAN M	
P.O. Box 4484				
Albuquerque, NM 87196-4484			ART UNIT	PAPER NUMBER
			3663	
			NOTIFICATION DATE	DELIVERY MODE
			08/03/2021	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

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Double Patenting

2. 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 § 2146 *et seq.* 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-L.jsp.

2a. Claims 11-14 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 11-14 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 the claims of the instant application are already encompassed by that of the patent.

2b. Claims 1-20 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-20 of U.S. Patent No. 10,259,465. Although the claims at issue are not identical, they are not patentably distinct from each other because the claims of the application are already encompassed by those of the patent.

2c. Claims 11-20 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 11-20 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 claims of the application are already encompassed by those of the patent.

2d. Claims 11-13 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 11-13 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 claims of the application are already encompassed by those of the patent.

Prior Art

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

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JONATHAN M DAGER whose telephone number is (571)270-1332. The examiner can normally be reached on 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
30 July 2021

Notice of References Cited	Application/Control No. 16/288,877		Applicant(s)/Patent Under Reexamination Phelan, Michael	
	Examiner JONATHAN M DAGER		Art Unit 3663	Page 1 of 4

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*	C	US-20030204290-A1	10-2003	Sadler, John G.	G06K9/00362	701/1
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PTO-892 (Rev. 01-2001)

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Part of Paper No. 20210730

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	Examiner JONATHAN M DAGER		Art Unit 3663	Page 2 of 4

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	Examiner JONATHAN M DAGER		Art Unit 3663	Page 3 of 4

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*	K	US-20150350750-A1	12-2015	YUN; Doo Seop	H04Q9/00	340/870.07
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	Examiner JONATHAN M DAGER		Art Unit 3663	Page 4 of 4

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<i>Search Notes</i> 	Application/Control No. 16/288,877	Applicant(s)/Patent Under Reexamination Phelan, Michael
	Examiner JONATHAN M DAGER	Art Unit 3663

CPC - Searched*		
Symbol	Date	Examiner
B60W 50/ALL	07/30/2021	JD

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 CASES	07/30/2021	JD
IDS	07/30/2021	JD
EAST	07/30/2021	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
L1	11	"13858930"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2021/07/30 08:36
L2	12	"12496509"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2021/07/30 08:43
L5	12	"12496509"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2021/07/30 09:46
L6	2	"15898322"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2021/07/30 09:50
L7	46	("20020049538" "20030181822" "20030204290" "20030231550" "20040064221" "20040225557" "20050137757" "20050182538" "20050237150" "20050288837" "20060047419" "20060066149" "20060106515" "20060111817" "20060122749" "20060200008" "20060212195" "20070082706" "20070158128" "20070200663" "20080039998" "20080245598" "20080269979" "20080319602" "20090024273" "20090027177" "20090030770" "20090069954" "20090079555" "20090189736" "20100004818" "20100045452" "20100161171" "20150350750" "20160001715" "20160001718" "20170106877" "20180251132" "5481253" "6430488" "6741920" "7956730" "8131441" "8258939" "8463488" "8751105").PN.	US-PGPUB; USPAT	OR	ON	2021/07/30 09:57
S1	43,505	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;	OR	ON	2011/09/30 14:28

			JPO; DERWENT			
S2	7,394	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	1,220	S2 and ((user or driver or operator) with (file or profile))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:30
S4	883	S3 and ((user or driver or operator) with (authentica\$4 or biometric or keyword or password or code or identify\$4 or identification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:30
S5	57	S3 and (((user or driver or operator) with (authentica\$4 or biometric or keyword or password or code or identify\$4 or identification)) same terminal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:31
S6	13	S5 and ((overspeed or speed\$4 or location or reckless or abusive or seatbelt or unauthorized or prohibit\$4) with (alert\$4 or alarm\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/09/30 14:32
S7	619,575	((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	115,297	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	82,875	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	8,210	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	619,817	((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	115,299	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	8,210	S24 and (((user or driver or operator) with (pin or authenticat\$4 or biometric or keyword or password or code or identify\$4 or identification)) same terminal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S26	586	S25 and ((overspeed or speed\$4 or location or reckless or abusive or seatbelt or unauthorized or prohibit\$4) with (alert\$4 or alarm\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S27	222	S26 and gps	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:57
S28	66	S27 and rfid	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 09:58
S29	9	S28 and (fob or keyfob or "key fob")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:02
S30	25	S27 and (fob or keyfob or "key fob")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2011/10/03 10:03
S31	1,024	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;	OR	ON	2011/10/03 10:05

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

S42	10	("2006/0212195").URPN.	USPAT	OR	OFF	2012/03/05 17:12
S43	1,318	phelan.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2012/03/05 17:14
S44	163	S43 and vehicle	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2012/03/05 17:15
S45	46	S44 and ((authentica\$4 or identif\$) with (user or driver))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2012/03/05 17:16
S46	13	S45 and ((central\$5 or remot\$3 or main) with (manager\$4 or monitor\$4 or station or database))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2012/03/05 17:16
S47	41	("20010033225" "20020022920" "20020049538" "20020111735" "20020123834" "20020178033" "20030195694" "20030216857" "20040083041" "20040153362" "4007438" "5797134" "5819198" "6064970" "6067489" "6438472" "6473000" "6636790" "6771176").PN. OR ("6931309").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/03/05 17:17
S48	19	(US-20090079555-\$ or US- 20090069954-\$ or US-20090030770-\$ or US-20090024273-\$ or US- 20080319602-\$ or US-20080245598-\$ or US-20060047419-\$ or US- 20060212195-\$ or US-20090189736-\$ or US-20070158128-\$ or US- 20060200008-\$ or US-20070082706-\$ or US-20060122749-\$ or US- 20060111817-\$ or US-20060106515-\$ or US-20050182538-\$ or US- 20050137757-\$ or US-20040225557-\$ or US-20020049538-\$).did.	US-PGPUB	OR	OFF	2012/09/25 14:46
S49	1	"12496509"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2012/09/25 14:48

S50	11	S48 and (radio or audio or stereo)	US-PGPUB	OR	OFF	2012/09/25 15:01
S51	5,235	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	1,014,581	"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	1,012	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; DERWENT	OR	ON	2014/05/15 19:09
S72	29	phelan.in. and (unique with code)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2014/05/15 19:10
S73	15	phelan.in. and (unique with code) and driver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2014/05/15 19:10
S74	2	"6633800".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 11:59
S75	2	"20060224280"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2014/05/20 12:00
S76	0	"13858930"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2014/08/29 10:46
S77	2	"12496509"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2014/08/29 10:56
S78	16	phelan.in. and (unique with code) and driver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2014/08/29 12:32
S79	5	("2010/0004818").URPN.	USPAT	OR	ON	2014/08/29 12:32

S80	20	phelan.in. and (unique with code) and driver	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2015/01/30 11:50
S81	29	(US-20090079555-\$ or US-20090069954-\$ or US-20090030770-\$ or US-20090024273-\$ or US-20080319602-\$ or US-20080245598-\$ or US-20060047419-\$ or US-20060212195-\$ or US-20090189736-\$ or US-20070158128-\$ or US-20060200008-\$ or US-20070082706-\$ or US-20060122749-\$ or US-20060111817-\$ or US-20060106515-\$ or US-20050182538-\$ or US-20050137757-\$ or US-20040225557-\$ or US-20020049538-\$ or US-20090027177-\$ or US-20100004818-\$).did. or (US-6430488-\$ or US-8258939-\$ or US-7956730-\$ or US-6741920-\$ or US-5481253-\$ or US-8751105-\$ or US-8751104-\$ or US-8463488-\$).did.	US-PGPUB; USPAT	OR	ON	2015/06/19 11:51
S82	7	S81 and pin	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 11:51
S83	20	S81 and (pin or code)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 11:51
S84	6	"11742091"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2015/06/19 12:02
S85	74	("20020049538" "20020096572" "20020135466" "20030078709" "20030181822" "20040010358" "20040019416" "20040085189" "20040092253" "20040124968" "20040158373" "20040225557" "20050030184" "20050134477" "20050137757" "20050159853" "20050182538" "20050216144" "20050237150" "20050288837" "20060001523" "20060047419" "20060049962" "20060106515" "20060111817" "20060122749" "20060195483" "20060200008" "20060212195" "20070082706" "20070139170" "20070158128" "20070200663" "20080077298" "20080228358" "20080245598"	US-PGPUB; USPAT; USOCR	OR	ON	2015/06/19 12:03

		"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; 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 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	2,795	wireless same vehicle same architecture	US-PGPUB; USPAT; EPO; JPO	OR	ON	2016/03/02 11:08
S99	12	(wireless same vehicle same architecture) and (wireless with ecu with communication)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2016/03/02 11:08
S100	19	("20020009296" "20020196510" "20030040347" "20030114980" "20050046584" "20060036930" "20060208169" "20110064126" "20120093198" "20120133843" "20120291537" "20130029624" "20140073243" "20140163751" "5833025" "6091362" "6369923" "7164117" "8050318").PN. OR ("9227579").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:10
S101	31	("20030186652" "20050090953" "20050273211" "20080039998" "6078252" "6177867" "6195602" "6480144" "7005972" "7084748" "7099751" "7177743" "7603214" "7689327").PN. OR ("8229625").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:11
S102	2	"20040064221"	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/02 11:19
S103	45	(US-20090079555-\$ or US- 20090069954-\$ or US-20090030770-\$ or US-20090024273-\$ or US- 20080319602-\$ or US-20080245598-\$ or US-20060047419-\$ or US- 20060212195-\$ or US-20090189736-\$ or US-20070158128-\$ or US- 20060200008-\$ or US-20070082706-\$ or US-20060122749-\$ or US- 20060111817-\$ or US-20060106515-\$ or US-20050182538-\$ or US- 20050137757-\$ or US-20040225557-\$ or US-20020049538-\$ or US- 20090027177-\$ or US-20080269979-\$ or US-20100161171-\$ or US- 20100045452-\$ or US-20060066149-\$ or US-20030204290-\$ or US- 20030231550-\$).did. or (US- 20070200663-\$ or US-20050288837-\$ or US-20050237150-\$ or US- 20030181822-\$ or US-20160001718-\$ or US-20160001715-\$ or US-	US-PGPUB; USPAT	OR	ON	2016/03/02 11:40

		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	7,785	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-	US-PGPUB; USPAT	OR	ON	2017/06/01 11:39

		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.				
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;	OR	ON	2018/08/21 09:15

			USOCR; EPO; JPO			
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
S135	0	"15898322"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/22 08:47
S136	3	"14464188"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2018/08/22 08:47
S139	6	phelan.in. and dager.xp.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2020/09/09 09:55
S140	12	"12496509"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2020/09/09 10:07
S141	1	"16288877"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2020/09/09 10:08
S142	4	"15336110"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2020/09/09 10:09
S143	5	"14464188"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2020/09/09 10:10
S144	4	"14712124"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2020/09/09 10:14
S145	46	("20020049538" "20030181822" "20030204290" "20030231550" "20040064221" "20040225557" "20050137757" "20050182538" "20050237150" "20050288837" "20060047419" "20060066149"	US-PGPUB; USPAT	OR	ON	2021/07/29 12:16

		"20060106515" "20060111817" "20060122749" "20060200008" "20060212195" "20070082706" "20070158128" "20070200663" "20080039998" "20080245598" "20080269979" "20080319602" "20090024273" "20090027177" "20090030770" "20090069954" "20090079555" "20090189736" "20100004818" "20100045452" "20100161171" "20150350750" "20160001715" "20160001718" "20170106877" "20180251132" "5481253" "6430488" "6741920" "7956730" "8131441" "8258939" "8463488" "8751105").PN.				
S146	4	"15336110"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2021/07/29 13:51
S147	5	"14464188"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2021/07/29 14:01

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
S137	27	phelan.in. and (MASTER AND SLAVE)	US- PGPUB; USPAT	OR	ON	2018/12/10 09:12
S138	0	("2017/0106877").URPN.	USPAT	OR	ON	2018/12/10 09:12

7/30/2021 9:59:04 AM

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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

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	Filing Date	
	First Named Inventor	Michael Phelan
	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	PHELAN-1001CON6

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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	2002-08-05	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	8751105	B2	2014-06-10	Whelan et al.	
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	1	20020049538	A1	2002-04-25	Knapton et al.		
	2	20040225557	A1	2004-11-11	Phelan et al.		
	3	20050137757	A1	2005-06-23	Phelan et al.		
	4	20050182538	A1	2005-08-18	Phelan et al.		
	5	20060047419	A1	2006-03-02	Diendorf et al.		
	6	20060106515	A1	2006-05-18	Phelan et al.		
	7	20060111817	A1	2006-05-25	Phelan et al.		
	8	20060122749	A1	2006-06-08	Phelan et al.		
	9	20060200008	A1	2006-09-07	Moore-Ede		

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Examiner Name	TBD	
Attorney Docket Number	PHELAN-1001CON6	

10	20060212195	A1	2006-09-21	Veith et al.	
11	20070082706	A1	2007-04-12	Campbell et al.	
12	20070158128	A1	2007-07-12	Gratz et al.	
13	20080245598	A1	2008-10-09	Gratz et al.	
14	20080319602	A1	2008-12-25	McClellan et al.	
15	20090024273	A1	2009-01-22	Follmer et al.	
16	20090027177	A1	2009-01-29	Hodder	
17	20090030770	A1	2009-01-29	Hersh et al.	
18	20090069954	A1	2009-03-12	Aladesuyi	
19	20090079555	A1	2009-03-26	Aguirre De Carcer et al.	
20	20090189736	A1	2009-07-30	Hayashi	

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Attorney Docket Number	PHELAN-1001CON6	

	21	20100004818	A1	2010-01-07	Phelan	
	22	20030181822	A1	2003-09-25	Victor	
	23	20030204290	A1	2003-10-30	Sadler et al.	
	24	20030231550	A1	2003-12-18	Macfarlane	
	25	20040064221	A1	2004-04-01	DePrez et al.	
	26	20050237150	A1	2005-10-27	Sun et al.	
	27	20050288837	A1	2005-12-29	Wiegand et al.	
	28	20060066149	A1	2006-03-30	Halloway et al.	
	29	20070200663	A1	2007-08-30	White et al.	
	30	20080039998	A1	2008-02-14	Fein et al.	
	31	20080269979	A1	2008-10-30	Hermann et al.	

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Application Number		
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First Named Inventor	Michael Phelan	
Art Unit	TBD	
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Attorney Docket Number	PHELAN-1001CON6	

	32	20100045452	A1	2010-02-25	Periwal	
	33	20100161171	A1	2010-06-24	Valentine et al.	
	34	20150350750	A1	2015-12-03	Yun et al.	
	35	20160001715	A1	2016-01-07	Laifenfeld et al.	
	36	20160001718	A1	2016-01-07	Laifenfeld et al.	
	37	20180251132	A1	2018-09-06	Michael Phelan	
	38	20170106877	A1	2017-04-20	Michael Phelan	

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	1	Non-final Office Action 08/27/2018, U.S. Patent Application Serial No. 15/336,110	
	2	Non-final Office Action 08/27/2018, U.S. Patent Application Serial No. 15/898,322	

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Examiner Signature	/JONATHAN M DAGER/	Date Considered	07/30/2021
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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	/KERMIT LOPEZ/	Date (YYYY-MM-DD)	2019-02-27
Name/Print	KERMIT LOPEZ	Registration Number	41953

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/288,877	02/28/2019	Michael Phelan	PHELAN-1001CON6

CONFIRMATION NO. 6548

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

PUBLICATION NOTICE



OC000000109414426

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

Publication No. US-2019-0202475-A1

Publication Date: 07/04/2019

NOTICE OF PUBLICATION OF APPLICATION

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

The publication may be accessed through the USPTO's publicly available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Public Records Division. The Public Records Division can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Public Records Division, Alexandria, VA 22313-1450 or via the Internet.

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

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

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



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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
16/288,877	02/28/2019	3663	865	PHELAN-1001CON6	20	3

CONFIRMATION NO. 6548
CORRECTED FILING RECEIPT



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

Date Mailed: 03/27/2019

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: None

Domestic Priority data as claimed by applicant

This application is a CON of 15/336,110 10/27/2016

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

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

Permission to Access Application via Priority Document Exchange: No

Permission to Access Search Results: No

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

If Required, Foreign Filing License Granted: 03/18/2019

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/288,877**

Projected Publication Date: 07/04/2019

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

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

NOT GRANTED

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SelectUSA

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 16/288,877				
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
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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
16/288,877	02/28/2019	2685	865	PHELAN-1001CON6	20	3

CONFIRMATION NO. 6548

UPDATED FILING RECEIPT



0000000108864885

141361

LOZA & LOZA, LLP

Kermit D. Lopez, Esq.

305 N. Second Avenue #127

Upland, CA 91786-6064

Date Mailed: 03/27/2019

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Inventor(s)

Michael Phelan, Santa Fe, NM;

Applicant(s)

Michael Phelan, Santa Fe, NM;

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CON of 15/336,110 10/27/2016

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.

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Permission to Access Application via Priority Document Exchange: No

Permission to Access Search Results: No

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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 16/288,877**

Projected Publication Date: 07/04/2019

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING
VEHICLE USAGE

Preliminary Class

340

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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Title 37, Code of Federal Regulations, 5.11 & 5.15

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NOT GRANTED

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SelectUSA

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

CORRECTED ADS FORM

Application Number	16288877
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	1	
Name	Michael Phelan	

Residence Information

Residency	~~active-us-military~~	<u>us-residency</u>
City		<u>Santa Fe</u>
State		<u>NM</u>
Country of Residence		<u>US</u>

Mailing Address of Inventor

Address 1		<u>851 Camino Francisca</u>
Address 2		
City,State/Province, Postal Code		<u>Santa Fe NM 87506</u>
Country		<u>US</u>

Application Information

	Data of Record	Updated Data
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE	
Attorney Docket Number	PHELAN-1001CON6	
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		<u>pending</u>
Application Number		
Continuity Type		<u>CON</u>
Prior Application Number		<u>15336110</u>
Filing Date (YYYY-MM-DD)		<u>2016-10-27</u>
Patent Number		
Issue Date (YYYY-MM-DD)		

	Data of Record	Updated Data
Prior Application Status		<u>patented</u>
Application Number		<u>15898322</u>
Continuity Type		<u>CON</u>
Prior Application Number		<u>14712124</u>
Filing Date (YYYY-MM-DD)		<u>2015-05-14</u>
Patent Number		<u>9908508</u>
Issue Date (YYYY-MM-DD)		<u>2018-03-06</u>

	Data of Record	Updated Data
Prior Application Status		<u>patented</u>
Application Number		<u>14712124</u>
Continuity Type		<u>CIP</u>
Prior Application Number		<u>13858930</u>
Filing Date (YYYY-MM-DD)		<u>2013-04-08</u>
Patent Number		<u>9045101</u>
Issue Date (YYYY-MM-DD)		<u>2015-06-02</u>

	Data of Record	Updated Data
Prior Application Status		<u>patented</u>
Application Number		<u>13858930</u>
Continuity Type		<u>CON</u>
Prior Application Number		<u>12496509</u>
Filing Date (YYYY-MM-DD)		<u>2009-07-01</u>
Patent Number		<u>8417415</u>
Issue Date (YYYY-MM-DD)		<u>2013-04-09</u>

	Data of Record	Updated Data
Prior Application Status		<u>expired</u>
Application Number		<u>12496509</u>
Continuity Type		<u>PRO</u>
Prior Application Number		<u>61077568</u>
Filing Date (YYYY-MM-DD)		<u>2008-07-02</u>
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		

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is		
Name of the Deceased or Legally Incapacitated Inventor		
Applicant is an Organization		
Name		
Organization Name		
Address 1		
Address 2		
City,State/Province,Postal Code		
Country		
Phone Number		
Fax Number		
Email Address		

Assignee Information including Non-Applicant Assignee Information

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

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

	Data of Record	Updated Data
Order		
Applicant is an Organization		
Name		

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 LOPEZ/	Registration Number	41953
First Name	KERMIT	Last Name	LOPEZ

Electronic Patent Application Fee Transmittal				
Application Number:		16288877		
Filing Date:		28-Feb-2019		
Title of Invention:		DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE		
First Named Inventor/Applicant Name:				
Filer:		Kermit Dean Lopez/Shirley Hsu		
Attorney Docket Number:		PHELAN-1001CON6		
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
PROCESSING FEE, EXCEPT PROV. APPLS.	2830	1	70	70
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 (\$)				70

Electronic Acknowledgement Receipt	
EFS ID:	35497617
Application Number:	16288877
International Application Number:	
Confirmation Number:	6548
Title of Invention:	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE
First Named Inventor/Applicant Name:	
Customer Number:	141361
Filer:	Kermit Dean Lopez/Shirley Hsu
Filer Authorized By:	Kermit Dean Lopez
Attorney Docket Number:	PHELAN-1001CON6
Receipt Date:	22-MAR-2019
Filing Date:	28-FEB-2019
Time Stamp:	12:25:40
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$70
RAM confirmation Number	032219INTEFSW12253800
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	Application Data Sheet to update/ correct info	CorrectedADS.pdf	88995	no	6
			13e3e64959a868f34837d49ade440d3b091781dd		

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30468	no	2
			8b9b2aaf020002358737e2aba2c470eac23856a4		

Warnings:

Information:

Total Files Size (in bytes):	119463
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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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/288,877	02/28/2019	Michael Phelan	PHELAN-1001CON6

CONFIRMATION NO. 6548

FORMALITIES LETTER



OC000000106654583

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

Date Mailed: 03/21/2019

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).

- A mailing address for each inventor has not been submitted. A new application data sheet (ADS) in compliance with 37 CFR 1.76 or inventor's oath or declaration in compliance with 37 CFR 1.63 identifying the mailing address and residence (if the inventor lives at a location which is different from where the inventor customarily receives mail) is required.

Michael Phelan

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 03/06/2019 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**.

/kpowell/



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
16/288,877	02/28/2019	2685	865	PHELAN-1001CON6	20	3

CONFIRMATION NO. 6548

FILING RECEIPT



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

Date Mailed: 03/21/2019

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, Residence Not Provided;

Applicant(s)

Michael Phelan, Residence Not Provided;

Power of Attorney: None

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: No

Permission to Access Search Results: No

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

If Required, Foreign Filing License Granted: 03/18/2019

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/288,877**

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

340

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

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

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).

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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 16/288,877				
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	785		TOTAL				
APPLICATION AS AMENDED - PART II										
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY		
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	OR	x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	OR	x	=
	Application Size Fee (37 CFR 1.16(s))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
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.										

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

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

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

As the below named inventor, I hereby declare that:

This declaration is directed to: ☐ The attached application, or ☒ United States application or PCT international application number 16/288,877 filed on February 28, 2019

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

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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

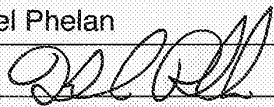
WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Michael Phelan

Date (Optional): 28 FEB 2019

Signature: 

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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

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

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:		16288877		
Filing Date:				
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-1001CON6		
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:				
LATE FILING FEE FOR OATH OR DECLARATION	2051	1	80	80
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 (\$)				80

Electronic Acknowledgement Receipt	
EFS ID:	35346173
Application Number:	16288877
International Application Number:	
Confirmation Number:	6548
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-1001CON6
Receipt Date:	06-MAR-2019
Filing Date:	
Time Stamp:	18:27:10
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$80
RAM confirmation Number	030719INTEFSW18273800
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	Oath or Declaration filed	PHELAN-1001CON6_Declaration.pdf	1414930	no	2
			dc25b69fc90d3aa5d6f7abe3e95ab67d6da4dde3		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30161	no	2
			52390a770e28157a9cccbcb386d3e33ccfd04ad		
Warnings:					
Information:					
Total Files Size (in bytes):			1445091		
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.					

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

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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	PHELAN-1001CON6	

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	2002-08-05	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	8751105	B2	2014-06-10	Whelan et al.	
If you wish to add additional U.S. Patent citation information please click the Add button.						Add

**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	PHELAN-1001CON6	

U.S.PATENT APPLICATION PUBLICATIONS

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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	20040225557	A1	2004-11-11	Phelan et al.	
	3	20050137757	A1	2005-06-23	Phelan et al.	
	4	20050182538	A1	2005-08-18	Phelan et al.	
	5	20060047419	A1	2006-03-02	Diendorf et al.	
	6	20060106515	A1	2006-05-18	Phelan et al.	
	7	20060111817	A1	2006-05-25	Phelan et al.	
	8	20060122749	A1	2006-06-08	Phelan et al.	
	9	20060200008	A1	2006-09-07	Moore-Ede	

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	PHELAN-1001CON6	

	10	20060212195	A1	2006-09-21	Veith et al.	
	11	20070082706	A1	2007-04-12	Campbell et al.	
	12	20070158128	A1	2007-07-12	Gratz et al.	
	13	20080245598	A1	2008-10-09	Gratz et al.	
	14	20080319602	A1	2008-12-25	McClellan et al.	
	15	20090024273	A1	2009-01-22	Follmer et al.	
	16	20090027177	A1	2009-01-29	Hodder	
	17	20090030770	A1	2009-01-29	Hersh et al.	
	18	20090069954	A1	2009-03-12	Aladesuyi	
	19	20090079555	A1	2009-03-26	Aguirre De Carcer et al.	
	20	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	PHELAN-1001CON6	

	21	20100004818	A1	2010-01-07	Phelan	
	22	20030181822	A1	2003-09-25	Victor	
	23	20030204290	A1	2003-10-30	Sadler et al.	
	24	20030231550	A1	2003-12-18	Macfarlane	
	25	20040064221	A1	2004-04-01	DePrez et al.	
	26	20050237150	A1	2005-10-27	Sun et al.	
	27	20050288837	A1	2005-12-29	Wiegand et al.	
	28	20060066149	A1	2006-03-30	Halloway et al.	
	29	20070200663	A1	2007-08-30	White et al.	
	30	20080039998	A1	2008-02-14	Fein et al.	
	31	20080269979	A1	2008-10-30	Hermann et al.	

**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	PHELAN-1001CON6	

32	20100045452	A1	2010-02-25	Periwal
33	20100161171	A1	2010-06-24	Valentine et al.
34	20150350750	A1	2015-12-03	Yun et al.
35	20160001715	A1	2016-01-07	Laifenfeld et al.
36	20160001718	A1	2016-01-07	Laifenfeld et al.
37	20180251132	A1	2018-09-06	Michael Phelan
38	20170106877	A1	2017-04-20	Michael Phelan

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FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	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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NON-PATENT LITERATURE DOCUMENTS

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	PHELAN-1001CON6	

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	Non-final Office Action 08/27/2018, U.S. Patent Application Serial No. 15/336,110	
	2	Non-final Office Action 08/27/2018, U.S. Patent Application Serial No. 15/898,322	

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
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*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.

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	PHELAN-1001CON6	

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	/KERMIT LOPEZ/	Date (YYYY-MM-DD)	2019-02-27
Name/Print	KERMIT LOPEZ	Registration Number	41953

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.
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3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
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.
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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.
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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
Title of Invention:		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:		PHELAN-1001CON6		
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:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				785

Electronic Acknowledgement Receipt	
EFS ID:	35287489
Application Number:	16288877
International Application Number:	
Confirmation Number:	6548
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
Filer Authorized By:	
Attorney Docket Number:	PHELAN-1001CON6
Receipt Date:	28-FEB-2019
Filing Date:	
Time Stamp:	15:47:55
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$785
RAM confirmation Number	030119INTEFSW15491700
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	Specification	1001CON6_Application.pdf	179691	no	24
			5023e27f0ad12709d737d44b40fec7017219fcc0		
Warnings:					
Information:					
2	Drawings-only black and white line drawings	1001CON6_Drawings.pdf	166289	no	8
			ccfee63f753ac73fcc42dd7abec1a4a973f15a4		
Warnings:					
Information:					
3	Application Data Sheet	PHELAN-1001CON6_ADS.pdf	1823279	no	9
			6915ef73168a5f384fd962765516fd6ce563f83		
Warnings:					
Information:					
4	Information Disclosure Statement (IDS) Form (SB08)	PHELAN-1001CON6_IDS.pdf	613632	no	8
			fe2505c1209017c6dd923a44d66f546af6967cf		
Warnings:					
Information:					
5	Non Patent Literature	15336110_Nonfinal.pdf	647024	no	19
			cfa3e1fe7c1a48cb3445d19a84e25e4aab30ea43		
Warnings:					
Information:					
6	Non Patent Literature	15898322_Nonfinal.pdf	1640878	no	28
			5bc3d9a1a807a2239b70292035ff7e850dae684		
Warnings:					
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7	Fee Worksheet (SB06)	fee-info.pdf	35014	no	2
			9b034f0d7b647f5ecec74588e4582cfa39fee d03		
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1/8

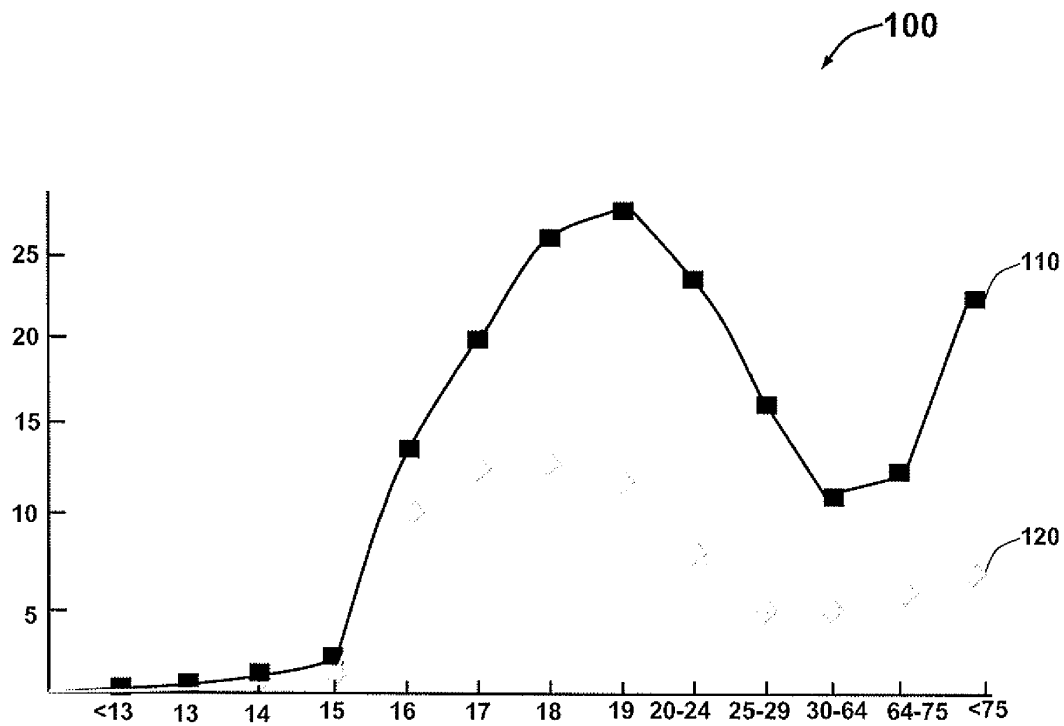


FIG. 1

2/8

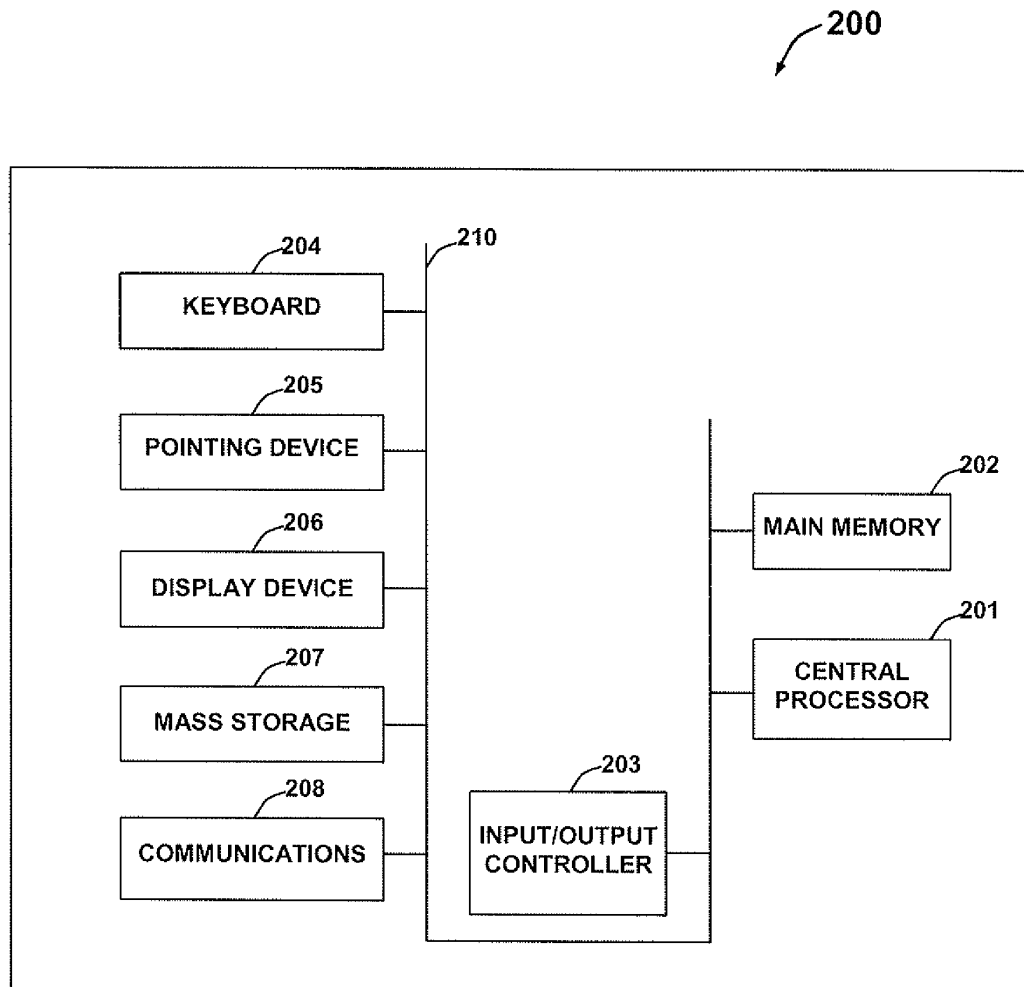


FIG. 2

3/8

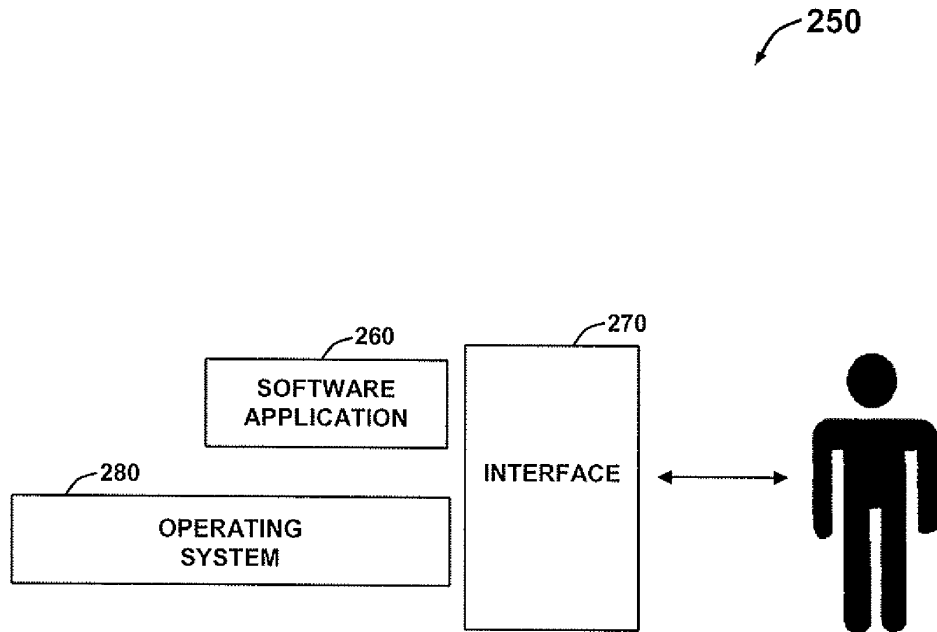


FIG. 3

4/8

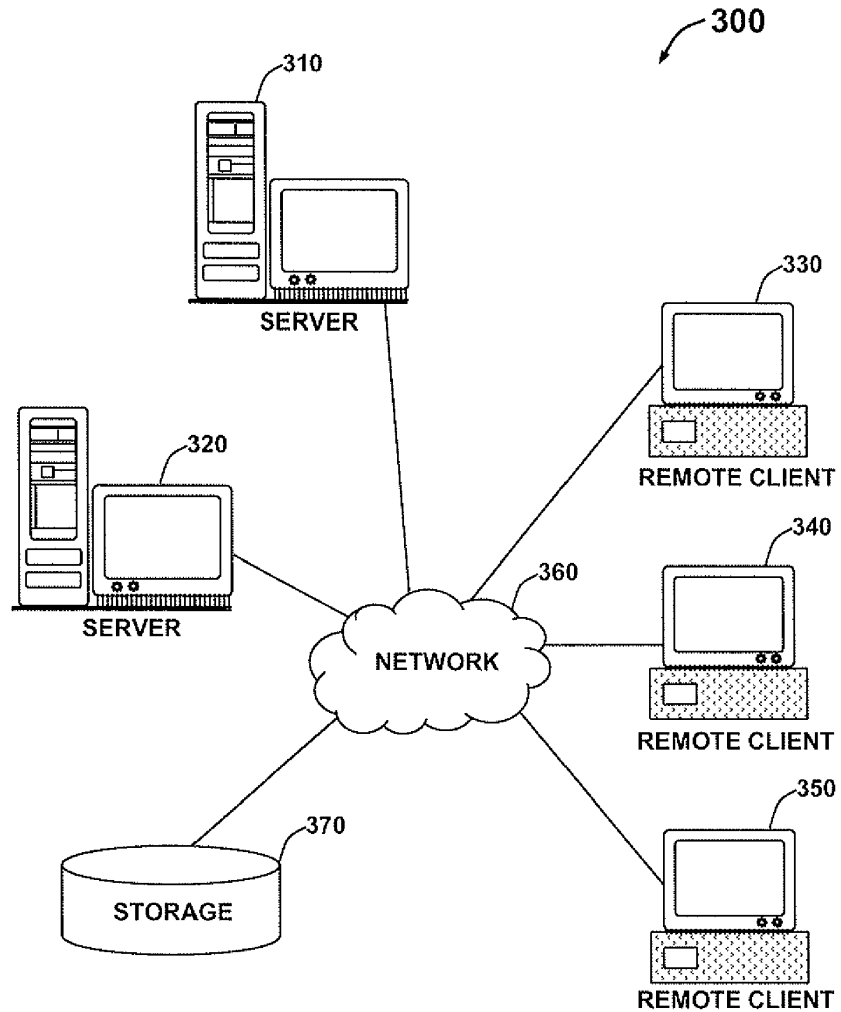


FIG. 4

5/8

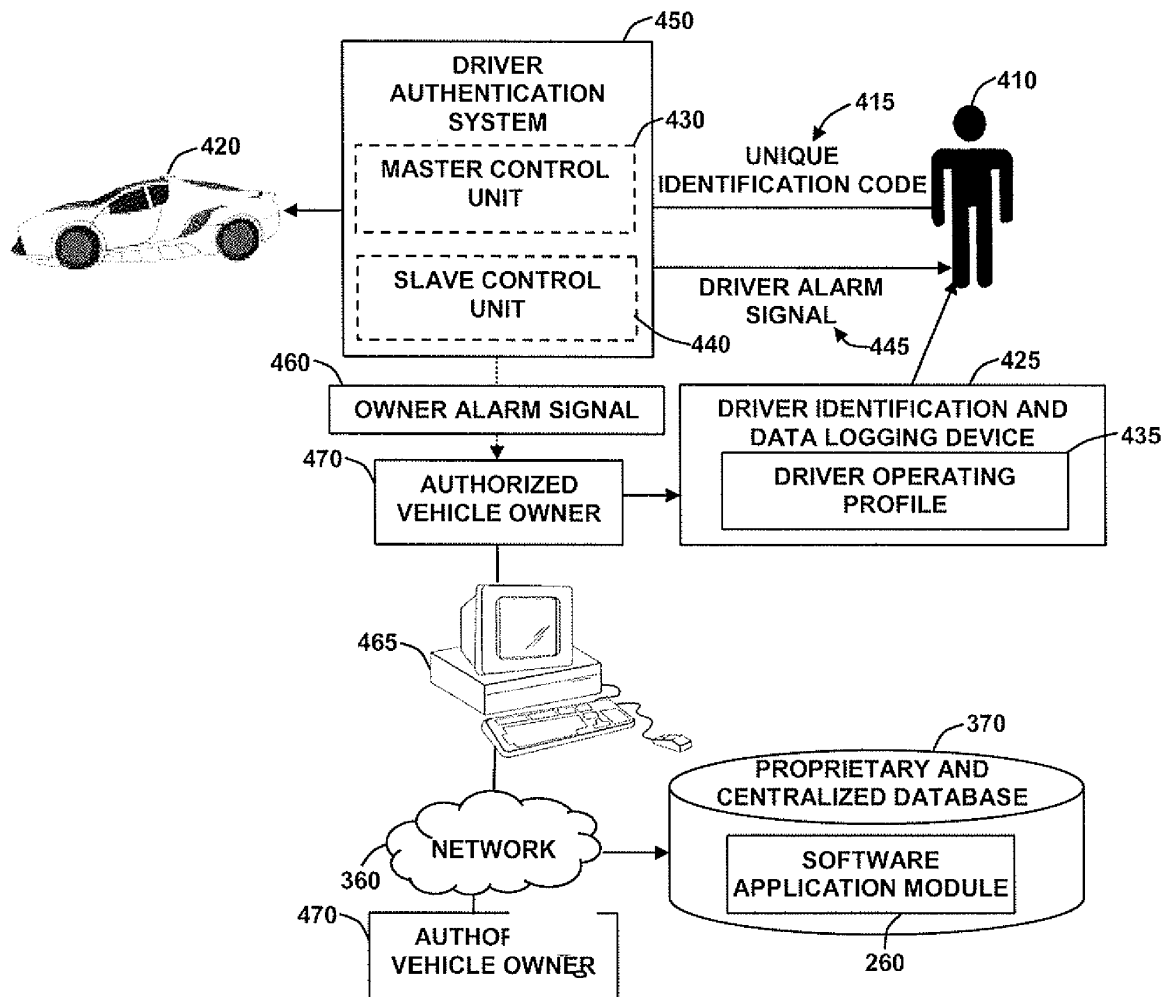


FIG. 5

6/8

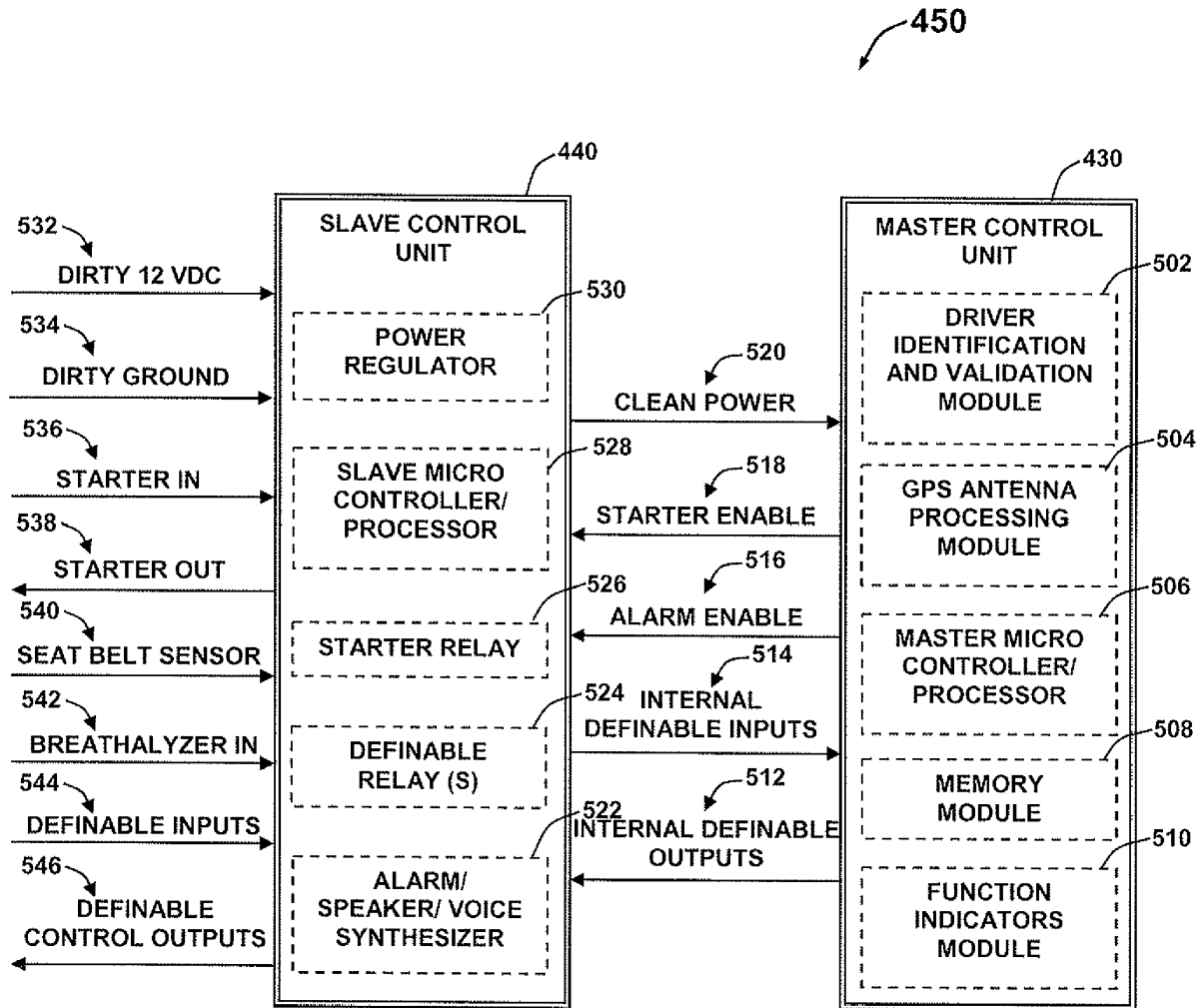


FIG. 6

7/8

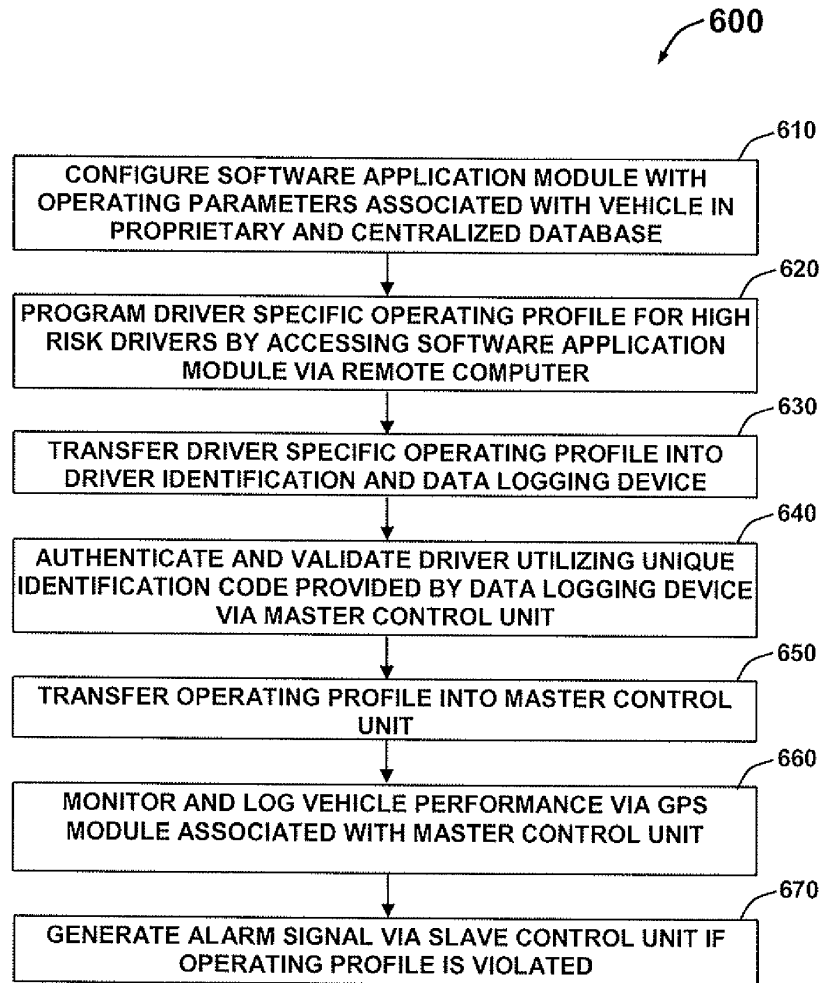


FIG. 7

8/8

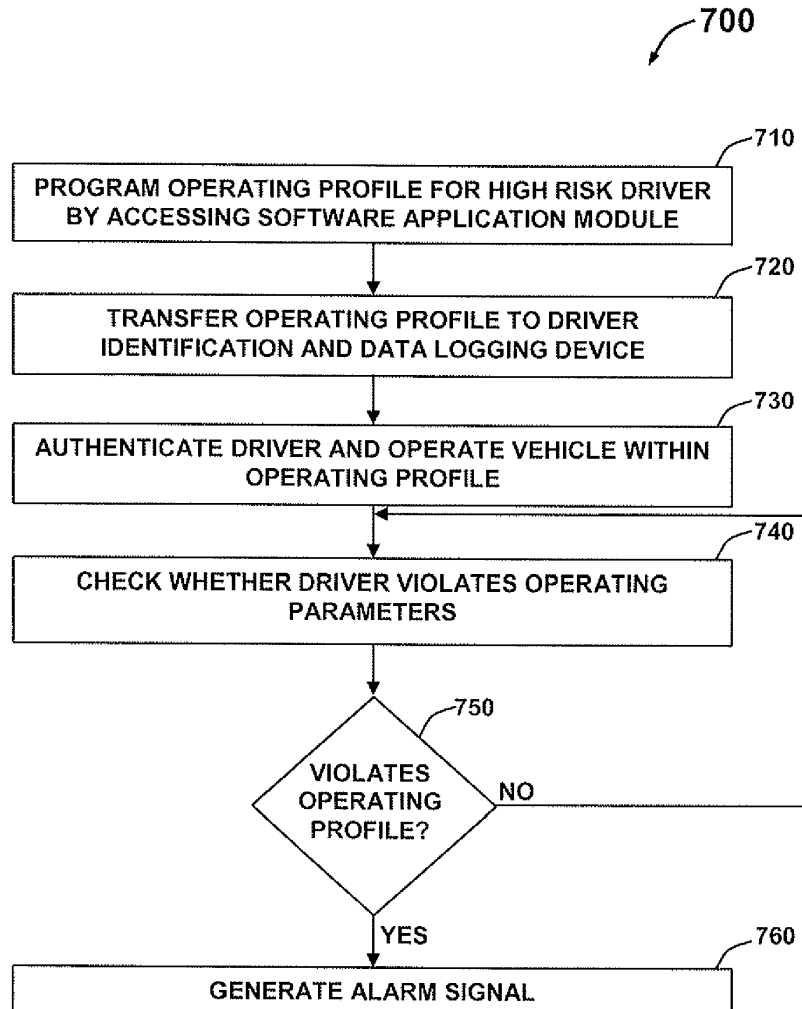


FIG. 8

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	PHELAN-1001CON6
		Application Number	
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2:

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

Inventor Information:

Inventor	1				Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name	Suffix		
	Michael		Phelan			
Residence Information (Select One) • US Residency Non US Residency Active US Military Service						
City	Santa Fe	State/Province	NM	Country of Residence	US	
Mailing Address of Inventor:						
Address 1	851 Camino Francisca					
Address 2						
City	Santa Fe	State/Province	NM			
Postal Code	87506	Country	US			
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.						
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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	141361		
Email Address	docketing@lozaip.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	PHELAN-1001CON6	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	8	Suggested Figure for Publication (if any)	

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	PHELAN-1001CON6
		Application Number	
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE		

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

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

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

Representative Information:

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

Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	141361		

Domestic Benefit/National Stage Information:

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

When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	15336110	2016-10-27

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		PHELAN-1001CON6	
		Application Number			
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE				

Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15898322	Continuation of	14712124	2015-05-14	9908508	2018-03-06
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 in part of	13858930	2013-04-08	9045101	2015-06-02
Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13858930	Continuation of	12496509	2009-07-01	8417415	2013-04-09
Prior Application Status		Expired		Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) 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. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

			Remove
Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			
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Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	PHELAN-1001CON6
		Application Number	
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE		

☐ 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.
--

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	PHELAN-1001CON6
		Application Number	
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

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B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	PHELAN-1001CON6
		Application Number	
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE		

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.				
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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	PHELAN-1001CON6
		Application Number	
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE		

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

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	PHELAN-1001CON6
		Application Number	
Title of Invention	DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND CONTROLLING VEHICLE USAGE		

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

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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.
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DRIVER AUTHENTICATION SYSTEM AND METHOD FOR MONITORING AND
CONTROLLING VEHICLE USAGE

INVENTION PRIORITY

[001] The present application is a continuation of U.S. Patent Application Serial No. 15/898,322, which was filed on February 16, 2018. U.S. Patent Application Serial No. 15/898,322 is a continuation of U.S. Patent Application Serial 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 U.S. Patent Application Serial No. 13/858,930, entitled "Driver Authentication System and Method for Monitoring and Controlling Vehicle Usage," filed April 8, 2013. U.S. Patent Application Serial No. 13/858,93 is in turn a continuation of U.S. Patent Application Serial 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 U.S. Provisional Patent Application Serial No. 61/077,568, entitled "Systems and Methods for Monitoring and Controlling Vehicle Usage by Young Drivers", filed July 2, 2008, the disclosures of which are all herein incorporated by reference.

TECHNICAL FIELD

[002] 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

[003] 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.

[004] 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.

[005] 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.

[006] 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

[007] 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.

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

[009] 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.