AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court U.S. District Court S.D.N.Y. 500 Pearl Street, New York NY 100 on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
22cv4658		U.S. District Court S.D.N.Y. 500 Pearl Street, New York NY 1000

PLAINTIFF	DEFENDANT
SmartWatch MobileConcepts LLC	Casio America, Inc.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	US 10,362,480	7/23/2019	SmartWatch MobileConcepts LLC.
2			
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
Ruby J. Krajick	A. Martinez	7/25/2022

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

Google Exhibit 1002
Google v. Smartwatch

AO 120 (Rev. 08/10)

TO:	Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Western District of Texas, Waco Division on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
6:22-cv-00569	6/3/2022	Western District of Texas, Waco Division

PLAINTIFF	DEFENDANT
SMARTWATCH MOBILECONCEPTS LLC	QUALCOMM INCORPORATED

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	US 10,362,480	7/23/2019	SMARTWATCH MOBILECONCEPTS LLC
2			
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT
7/13/2022 Stipulation of dismissal (document #13).

CLERK	(BY) DEPUTY CLERK	DATE
Philip J. Devlin	Jennifer Velasquez	07/14/2022

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court **Western District of Texas, Waco Division** on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
6:22-cv-00572	6/3/2022	Western District of Texas, Waco Division

PLAINTIFF	DEFENDANT
SMARTWATCH MOBILECONCEPTS LLC	PHILIPS NORTH AMERICA LLC

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	US 10,362,480	7/23/2019	SMARTWATCH MOBILECONCEPTS LLC
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT
06/30/2022 Doc #7 STIPULATION of Dismissal

CLERK	(BY) DEPUTY CLERK	DATE
PHILIP J. DEVLIN		07/01/2022

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Southern District of New York on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
1:22-cv-04658	6/3/2022	Southern District of New York

PLAINTIFF	DEFENDANT
SmartWatch MobileConcepts LLC	Casio America, Inc.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	US 10,362,480	7/23/2019	SmartWatch MobileConcepts LLC
2			
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
Ruby J. Krajick	s/ G. Pisarczyk	6/6/2022

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Western District of Texas, Waco Division on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
6:22-cv-00572	6/3/2022	Western District of Texas, Waco Division

PLAINTIFF	DEFENDANT
SMARTWATCH MOBILECONCEPTS LLC	PHILIPS NORTH AMERICA LLC

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	US 10,362,480	7/23/2019	SMARTWATCH MOBILECONCEPTS LLC
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Western District of Texas, Waco Division on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
6:22-cv-00571	6/3/2022	Western District of Texas, Waco Division

PLAINTIFF	DEFENDANT
SMARTWATCH MOBILECONCEPTS LLC	SAMSUNG ELECTRONICS AMERICA, INC.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	US 10,362,480	7/23/2019	SMARTWATCH MOBILECONCEPTS LLC
2			
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Western District of Texas, Waco Division on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
6:22-cv-00570	6/3/2022	Western District of Texas, Waco Division

PLAINTIFF	DEFENDANT
SMARTWATCH MOBILECONCEPTS LLC	APPLE, INC.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	US 10,362,480	7/23/2019	SMARTWATCH MOBILECONCEPTS LLC
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO:	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
Mail Stop 8 **Director of the U.S. Patent and Trademark Office** **P.O. Box 1450** **Alexandria, VA 22313-1450**	

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Western District of Texas, Waco Division on the following

☐ Trademarks or ☑ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
6:22-cv-00569	6/3/2022	Western District of Texas, Waco Division

PLAINTIFF	DEFENDANT
SMARTWATCH MOBILECONCEPTS LLC	QUALCOMM INCORPORATED

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	US 10,362,480	7/23/2019	SMARTWATCH MOBILECONCEPTS LLC
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Copy 1---Upon initiation of action, mail this copy to Director Copy 3---Upon termination of action, mail this copy to Director
Copy 2---Upon filing document adding patent(s), mail this copy to Director Copy 4---Case file copy

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7013059

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ORTIZ TECHNOLOGY GROUP, LLC	11/08/2021

RECEIVING PARTY DATA

Name:	MOBILECONCEPTS LLC
Street Address:	6605 UPTOWN BLVD NE
Internal Address:	SUITE 240
City:	ALBUQUERQUE
State/Country:	NEW MEXICO
Postal Code:	87110

PROPERTY NUMBERS Total: 3

Property Type	Number
Patent Number:	10362480
Application Number:	16512607
Application Number:	62204050

CORRESPONDENCE DATA

Fax Number: (505)314-1307

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

Phone: 505-314-1311
Email: lortiz@olpatentlaw.com
Correspondent Name: LUIS M ORTIZ
Address Line 1: 6605 UPTOWN BLVD NE
Address Line 2: SUITE 240
Address Line 4: ALBUQUERQUE, NEW MEXICO 87110

ATTORNEY DOCKET NUMBER:	1000-3452
NAME OF SUBMITTER:	LUIS M ORTIZ
SIGNATURE:	/LUIS M ORTIZ/
DATE SIGNED:	11/08/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

source=Assignment from Ortiz Technology Group LLC-2#page1.tif
source=Assignment from Ortiz Technology Group LLC-2#page2.tif

U.S. PATENT ASSIGNMENT

WHEREAS, and ORTIZ TECHNOLOGY GROUP, LLC is the owner of (i) United States Patent and Patent Applications listed in Schedule A and the following (ii) through (iv) to the extent Assignor owns, controls or has the right to license or enforce them at any time: (ii) any patents or patent applications that claim priority directly or indirectly from any of the foregoing patent(s) in subsection (i), or from which priority is directly or indirectly claimed by any such patent(s) in subsection (i), or that have common priority with any such patent(s) in subsection (i); (iii) any foreign counterparts, foreign related patents, continuations, divisionals, continuations-in-part, extensions, substitutions, reissues, renewals and all results of oppositions, reexaminations, supplemental examinations, requests for continued examination and other review procedures of any of the foregoing in subsections (i) and (ii); and (iv) all patents issuing on patent applications covered by any of the foregoing subsections (i) through (iii) (together the "Assigned Patents").

WHEREAS, MOBILECONCEPTS LLC, a New Mexico limited liability company ("Assignee") is desirous of acquiring title in and to the Assigned Patents.

WHEREAS, Assignor is the owner of any and all right, title, and interest in and to the Assigned Patents.

WHEREAS, Assignor desires to sell, assign, and transfer all its right, title, and interest in the Assigned Patents to Assignee, and Assignee desires to obtain all such right, title, and interest in the Assigned Patents from Assignor.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, Assignor hereby sells, assigns, transfers and conveys unto Assignee, its permitted successors and assigns, all of Assignor's right, title, and interest in and to the Assigned Patents, together with all claims, demands, or causes of action that Assignor has or might have by reason of any infringement of the Assigned Patents prior to the effective date of this assignment, including the right to sue and collect damages for all past, present and future infringement and all lost profits resulting therefrom.

IN WITNESS WHEREOF, this Agreement has been executed by duly authorized representative of ORTIZ TECHNOLOGY GROUP, LLC on the date below.

Luis M. Ortiz
Managing Member

11/8/2021
Date

SCHEDULE A

Title	Serial #	Patent #
Systems, methods and apparatuses for enabling wearable device user access to secured electronics systems	15/234,565	10,362,480
Systems, methods and apparatuses for enabling wearable device user access to secured electronics systems	16/512,607	Abandoned
Systems, methods and apparatuses for enabling wearable device user access to secured electronics systems	62/204,050	Abandoned

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.
15/234,565	07/23/2019	10362480	1000-3452	9967

64064 7590 07/02/2019

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 208 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

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

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

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

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

Luis M. Ortiz, Albuquerque, NM;
Sofia A. Ortiz, Albuquerque, NM;
Luis Miguel Ortiz, Albuquerque, NM;

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

IR103 (Rev. 10/09)

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)

64064 7590 03/08/2019
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.

Luis M. Ortiz	(Typed or printed name)
	(Signature)
6/10/19	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/234,565	08/11/2016	Luis M. Ortiz	1000-3452	9967

TITLE OF INVENTION: SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$500	$0.00	$0.00	$500	06/10/2019

EXAMINER	ART UNIT	CLASS-SUBCLASS
MORTELL, JOHN F	2689	340-005820

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

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

1 _____
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 6/10/19

Typed or printed name Luis M. Ortiz Registration No. 36,230

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Electronic Patent Application Fee Transmittal

Application Number:	15234565
Filing Date:	11-Aug-2016
Title of Invention:	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS
First Named Inventor/Applicant Name:	Luis M. Ortiz
Filer:	Luis Melisendro Ortiz
Attorney Docket Number:	1000-3452

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	2501	1	500	500

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

Electronic Acknowledgement Receipt	
EFS ID:	36248563
Application Number:	15234565
International Application Number:	
Confirmation Number:	9967
Title of Invention:	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS
First Named Inventor/Applicant Name:	Luis M. Ortiz
Customer Number:	64064
Filer:	Luis Melisendro Ortiz
Filer Authorized By:	
Attorney Docket Number:	1000-3452
Receipt Date:	10-JUN-2019
Filing Date:	11-AUG-2016
Time Stamp:	12:44:03
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$500
RAM confirmation Number	061019INTEFSW12462000
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)	FeeTransmittal_Issue.pdf	909763 02bf2e478ad7c1927773de9cec0a5b227c800048	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30233 8f1f1f2d25df2db7a464b456d07acd39ce2818f4	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	939996		

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

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

64064 7590 03/08/2019

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

EXAMINER	
MORTELL, JOHN F	
ART UNIT	PAPER NUMBER
2689	

DATE MAILED: 03/08/2019

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/234,565	08/11/2016	Luis M. Ortiz	1000-3452	9967

TITLE OF INVENTION: SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$500	$0.00	$0.00	$500	06/10/2019

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

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

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

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

PART B - FEE(S) TRANSMITTAL

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

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

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

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

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

64064 7590 03/08/2019
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.
15/234,565	08/11/2016	Luis M. Ortiz	1000-3452	9967

TITLE OF INVENTION: SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$500	$0.00	$0.00	$500	06/10/2019

EXAMINER	ART UNIT	CLASS-SUBCLASS
MORTELL, JOHN F	2689	340-005820

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

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

1_____
2_____
3_____

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

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

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

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

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

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

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

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

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/234,565	08/11/2016	Luis M. Ortiz	1000-3452	9967

64064 7590 03/08/2019

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EXAMINER	
MORTELL, JOHN F	
ART UNIT	PAPER NUMBER
2689	

DATE MAILED: 03/08/2019

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

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

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

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

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

Notice of Allowability	Application No. 15/234,565	Applicant(s) Ortiz et al.	
	Examiner JOHN F MORTELL	Art Unit 2689	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 amendment 5/21/18.
   ☐ 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 10-15 and 17-19 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information , please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

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

   Certified copies:

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

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

   * Certified copies not received: _____ .

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

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

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

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

Attachment(s)

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

/JOHN F MORTELL/
Examiner, Art Unit 2689

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.

Status of the Application

2. Pursuant to the amendment filed May 21, 2018, claims 10-15 and 17-19 are pending in the application. Pursuant to the previous restriction, claims 1-8 have been withdrawn. The applicant has cancelled claims 9 and 16. The applicant has amended claims 10-15 and 17. It is noted that claim 17 includes the parenthetical status identifier "Original," but contrary to this status identifier, claim 17 has been amended.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in an interview with Louis M. Ortiz, attorney for the applicants, on March 1, 2019.

The application has been amended as follows:

Claims 1-8 (Cancelled).

Claim 17 (Currently amended).

Note: In the amendment filed May 5, 2018, claim 17 includes the parenthetical status identifier, "Original," but claim 17 has been amended. The examiner's amendment of Claim 17 corrects that mistake in the parenthetical status identifier.

Allowable Subject Matter

4. **Claims 10-12 and 17, and claims 13-15, 18, and 19, which depend from one of claims 10-12 or 17**, are allowed.

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

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOHN F MORTELL whose telephone number is (571)270-1873. The examiner can normally be reached on Monday - Friday 10-7 ET.

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, Joseph Feild can be reached on 571-272-4090. 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.

/JOHN F MORTELL/
Examiner, Art Unit 2689

Examiner-Initiated Interview Summary	**Application No.** 15/234,565	**Applicant(s)** Ortiz et al.	
	Examiner JOHN F MORTELL	**Art Unit** 2689	**AIA (FITF) Status** Yes

All participants (applicant, applicant's representative, PTO personnel):

(1) JOHN F. MORTELL. (3) _____.

(2) LOIUS M. ORTIZ. (4) _____.

Date of Interview: 01 March 2019.

Type: ☑ Telephonic ☐ Video Conference
☐ Personal [copy given to: ☐ applicant ☐ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☑ No.
If Yes, brief description: _____.

Issues Discussed ☐ 101 ☐ 112 ☐ 102 ☐ 103 ☑ Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: 1-8 and 17.

Identification of prior art discussed: n/a.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

The examiner telephoned the applicants' attorney to request authorization for an examiner's amendment to change the status of claims 1-8 from "withdrawn" to "cancelled," so that claims 10-15 and 17-19 can be allowed. The examiner also requested authority for an examiner's amendment to correct the status of claim 17 from "original" to "currently amended." The applicants' attorney authorized the examiner to make all of these changes by an examiner's amendment..

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/JOHN F MORTELL/ Examiner, Art Unit 2689	

Notice of References Cited	Application/Control No. 15/234,565	Applicant(s)/Patent Under Reexamination Ortiz et al.	
	Examiner JOHN F MORTELL	Art Unit 2689	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20160155281-A1	06-2016	O'Toole; Christopher Diebold	G07C9/00182	340/5.64
*	B	US-20150028996-A1	01-2015	Agrafioti; Foteini	G06F21/40	340/5.82
*	C	US-7630721-B2	12-2009	Ortiz; Luis M.	G06Q10/06	455/456.1
*	D	US-20170270729-A1	09-2017	O'Toole; Christopher Diebold	G07C9/00182	1/1
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/234,565	Ortiz et al.
	Examiner	Art Unit
	JOHN F MORTELL	2689

CPC - Searched*		
Symbol	Date	Examiner
H04W12/06; H04L63/0861; H04L63/0853; H04M1/7253; H04M1/72533; H04W60/00; G07C9/00309; G07C9/00087; G07C9/00563; H04M2250/02; G07C2009/00976; G07C2009/0095	5/13/2018	AN

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
340	5.82	5/13/2018	AN

* 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
EAST search	5/13/2018	AN
EAST: updated search; search notes included.	03/01/2019	/JM/

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
H04W	12/06	03/01/2019	/JM/
H04L	63/0853, 63/0861	03/01/2019	/JM/
G07C	9/00087	03/01/2019	/JM/

/ALI NEYZARI/ Primary Examiner.Art Unit 2687	/JOHN F MORTELL/ Examiner, Art Unit 2689

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/234,565	Ortiz et al.
	Examiner	Art Unit
	JOHN F MORTELL	2689

CPC						
Symbol					Type	Version
H04W	/	12	/	06	F	2013-01-01
H04L	/	63	/	0861	I	2013-01-01
H04L	/	63	/	0853	I	2013-01-01
H04M	/	1	/	7253	I	2013-01-01
H04W	/	60	/	00	I	2013-01-01
G07C	/	9	/	00309	I	2013-01-01
G07C	/	9	/	00087	I	2013-01-01
G07C	/	9	/	00563	I	2013-01-01
G07C	/	9	/	00571	I	2013-01-01
H04M	/	2250	/	02	A	2013-01-01
G07C	/	2009	/	00968	A	2013-01-01
G07C	/	2009	/	00095	A	2013-01-01
G07C	/	2009	/	00769	A	2013-01-01
H04M	/	1	/	67	A	2013-01-01

CPC Combination Sets							
Symbol					Type	Set	Ranking	Version
	/		/					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	9	
/JOHN F MORTELL/ Examiner, Art Unit 2689	01 March 2019	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	10	2

U.S. Patent and Trademark Office — Part of Paper No.: 20190301

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/234,565	Ortiz et al.
	Examiner	**Art Unit**
	JOHN F MORTELL	2689

INTERNATIONAL CLASSIFICATION				
CLAIMED				
H04W	/	12	/	06
H04L	/	63	/	0853
H04L	/	63	/	0861
G07C	/	9	/	00087
	/		/	

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**

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

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	9	
/JOHN F MORTELL/ Examiner, Art Unit 2689	01 March 2019	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	10	2

U.S. Patent and Trademark Office — Part of Paper No.: 20190301

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/234,565	Ortiz et al.
	Examiner	Art Unit
	JOHN F MORTELL	2689

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

CLAIMS

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	9	
/JOHN F MORTELL/ Examiner, Art Unit 2689	01 March 2019	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	10	2

U.S. Patent and Trademark Office Part of Paper No.: 20190301

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	"20170048707"	USPAT	OR	ON	2019/03/01 15:06
S2	1	"20170048707"	US-PGPUB; USPAT	OR	ON	2019/03/01 15:06
S3	645	((smart adj watch) or smart$1watch or (wrist near3 watch) or wrist$1watch) same (access$3 near3 (electronic near3 (system or device or apparatus)))	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 15:47
S4	2	S3 and (((smart adj watch) or smart$1watch or (wrist near3 watch) or wrist$1watch or watch) with (registration near3 (module or unit)))	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 15:48
S5	8	S3 and (((smart adj watch) or smart$1watch or (wrist near3 watch) or wrist$1watch or watch) with ((short$1range or (short adj range)) with (RF or radio or wireless)))	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 15:51
S6	2	S4 and (((smart adj watch) or smart$1watch or (wrist near3 watch) or wrist$1watch or watch) with ((short$1range or (short adj range)) with (RF or radio or wireless)))	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 15:51
S7	0	S6 and (((smart adj watch) or smart$1watch or (wrist near3 watch) or wrist$1watch or watch) with microhpone)	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 15:51
S8	26	S3 and (match$3 with biometric)	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 15:52
S9	474	S3 and (biometric or voice or skin or finger$1print or thumb$1print or ((finger or thmb) adj print))	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 15:54
S10	26	S9 and (match$3 with biometric)	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 15:54
S11	229	S3 and ((biometric or voice or skin or finger$1print or thumb$1print or ((finger or thmb) adj print)) same authenticat$3)	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 15:55
S12	1	S11 and (((remote or central) near3 (server or computer)) with (cell or cellular) with (biometric or voice or skin or finger$1print or thumb$1print or ((finger or thmb) adj print)) with (authenticat$3 or match$3))	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 15:56
S13	1071	(wearable near3 (device or unit or module)) same (access$3 near3 (electronic near3	US-PGPUB;	OR	ON	2019/03/01 16:07

		(system or device or apparatus)))	USPAT; USOCR			
S14	2	S11 and (GPS with user with location with access)	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 16:12
S15	1	S11 and (GPS with (user near3 location) with access)	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 16:13
S16	12	S11 and (registration near3 (module or unit))	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 16:14
S17	2	S11 and ((registration near3 (module or unit)) same access same authenticat$3)	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 16:16
S18	2	S11 and ((registration near3 (module or unit)) same access with authenticat$3)	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 16:19
S20	15	(wearable near3 device) with (access$3 near3 ((secure or secured) near3 (electronic near3 (system or device or unit or apparatus))))	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 16:22
S21	0	S20 and (wearable with contact with user with ((telecommuicatins with carrier with access with identification with module) or SIM) with (cellular near3 (RF or radio)) with ((short$1range or (short adj range)) near3 (RF or radio)))	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 16:28
S22	0	S20 and (wearable with contact with user with ((telecommuicatins with carrier with access with identification with module) or SIM) with (cellular near5 (RF or radio)) with ((short$1range or (short adj range)) near3 (RF or radio)))	US-PGPUB; USPAT; USOCR	ADJ	ON	2019/03/01 16:29
S23	0	S20 and (wearable with contact with user with ((telecommuicatins with carrier with access with identification with module) or SIM) with cellular with (RF or radio) with ((short$1range or (short adj range)) with (RF or radio)))	US-PGPUB; USPAT; USOCR	ADJ	ON	2019/03/01 16:30
S24	0	S20 and (wearable with contact with user with ((telecommuications with carrier with access with identification with module) or SIM) with cellular with (RF or radio) with ((short$1range or (short adj range)) with (RF or radio)))	US-PGPUB; USPAT; USOCR	ADJ	ON	2019/03/01 16:33
S25	1	S20 and (wearable with contact with user with ((telecommunications with carrier with access with identification with module) or SIM) with cellular with (RF or radio) with ((short$1range or (short adj range)) with (RF or radio)))	US-PGPUB; USPAT; USOCR	ADJ	ON	2019/03/01 16:35
S26	645	((smart adj watch) or smart$1watch or (wrist near3 watch) or wrist$1watch) same (access$3 near3 (electronic near3 (system or device or apparatus)))	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:13

S27	229	S26 and ((biometric or voice or skin or finger$1print or thumb$1print or ((finger or thmb) adj print)) same authenticat$3)	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:13
S28	2	S27 and ((registration near3 (module or unit)) same (access with authenticat$3))	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:13
S29	37500	H04W12/06.cpc. or H04L63/0853.cpc. or H04L63/0861.cpc. or G07C9/00087.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:16
S30	2	S29 and (method with wearable with access$3 with secur$3 with electronic with (system or apparatus or device)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:17
S31	1	S29 and ((method with wearable with access$3 with secur$3 with electronic with (system or apparatus or device)) same (wearable with contact with user with ((telecommunications with carrier with access with identification with module) or SIM))).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:19
S32	0	S29 and ((method with (smart$1watch or (smart adj watch)) with access$3 with secur$3 with electronic with (system or apparatus or device)) same (wearable with contact with user with ((telecommunications with carrier with access with identification with module) or SIM))).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:20
S33	1	S29 and (method with (smart$1watch or (smart adj watch)) with access$3 with secur$3 with (electronic with (system or apparatus or device))).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:21
S34	1	S29 and (method with (smart$1watch or (smart adj watch)) with access$3 with secur$3 with electronic with (system or apparatus or device)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:22
S35	1	"7630721".pn.	USPAT	OR	ON	2019/03/01 19:24
S36	0	"201601555281"	USPAT	OR	OFF	2019/03/01 19:25
S37	0	"201601555281"	US-PGPUB; USPAT	OR	ON	2019/03/01 19:25
S38	2	"20160155281"	US-PGPUB; USPAT	OR	ON	2019/03/01 19:25
S39	2	"20170270729"	US-PGPUB; USPAT	OR	ON	2019/03/01 19:30
S40	2	"20150028996"	US-PGPUB; USPAT	OR	ON	2019/03/01 19:30
S41	37500	H04W12/06.cpc. or H04L63/0853.cpc. or H04L63/0861.cpc. or G07C9/00087.cpc.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:41

S42	1	S41 and ((smart$1watch or (smart adj watch)) with microphone with ((skin with illumination with measurement) or ((finger$1print or (finger adj print)) with scanner)) with authenticat$3 with biometric).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:41
S43	5	S41 and (GPS with location with user with secur$3 with (system or device or apparatus) with access$3).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:43
S44	2	S41 and (GPS with (location near3 user) with secur$3 with (system or device or apparatus) with access$3).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:43
S45	0	S41 and (GPS with (location near3 user) with secur$3 with (system or device or apparatus) with (access$3 near3 location)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:44
S46	1	S41 and (GPS with (location near3 user) with secur$3 with (system or device or apparatus) with (access$3 near5 location)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:44
S47	1	S41 and ((registration near3 (module or unit)) with access$3 with (wearable or module or unit) with (authenticat$3 near5 wearable) or (biometric$3 with authenticat$3 with wireless with carrier) or (biometric$4 with authenticat$3 with ((remote or central) near3 (server or computer))) with locatin with proximity with secur$3 with (system or apparatus)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:50
S48	1	S41 and ((registration near3 (module or unit)) with access$3 with (wearable or module or unit) with (authenticat$3 near5 wearable) or (biometric$3 with authenticat$3 with wireless with carrier) or (biometric$4 with authenticat$3 with ((remote or central) near3 (server or computer))) with location with proximity with secur$3 with (system or apparatus)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:50
S49	1	S41 and ((registration near3 (module or unit)) with access$3 with (wearable or module or unit) with (authenticat$3 near5 wearable) or (biometric$3 with authenticat$3 with wireless with carrier) or (biometric$4 with authenticat$3 with ((remote or central) near3 (server or computer))) with location with proximity with secur$3 with (system or device or apparatus or unit)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:51
S50	2	S41 and (GPS with (location near3 user) with secur$3 with (system or device or apparatus or unit) with access$3).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:51
S51	1	S41 and (GPS with (location near3 user) with (secur$3 near3 (system or device or apparatus or unit)) with access$3).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:52
S52	7748	S41 and ((SIM or (subscriber adj identification adj module)) with cellular with communication$1 module wth authenticat$3	US-PGPUB; USPAT;	OR	ON	2019/03/01 19:55

		with user with ((remote or central) near3 (server or computer)) with cellular with SIM with match$3 with biometric).clm.	USOCR			
S53	7748	S41 and ((SIM or (subscriber adj identification adj module)) with cellular with communication$1 module wth (authenticat$3 near3 user) with ((remote or central) near3 (server or computer)) with cellular with SIM with match$3 with biometric).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:56
S54	21	S41 and ((SIM or (subscriber adj identification adj module)) with cellular with communication$1 with module wth (authenticat$3 near3 user) with ((remote or central) near3 (server or computer)) with cellular with SIM with match$3 with biometric).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:57
S55	1	S41 and ((SIM or (subscriber adj identification adj module)) with cellular with communication$1 with module with (authenticat$3 near3 user) with ((remote or central) near3 (server or computer)) with cellular with SIM with match$3 with biometric).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2019/03/01 19:57

3/1/2019 7:58:29 PM
C:\Users\jmortell\Documents\EAST\Workspaces\Ortiz_15_234,565.wsp

Electronic Patent Application Fee Transmittal

Application Number:	15234565
Filing Date:	11-Aug-2016
Title of Invention:	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS
First Named Inventor/Applicant Name:	Luis M. Ortiz
Filer:	Luis Melisendro Ortiz
Attorney Docket Number:	1000-3452

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:				
INDEPENDENT CLAIMS IN EXCESS OF 3	2201	1	230	230
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Extension - 1 month with $0 paid	2251	1	100	100
Miscellaneous:				
		Total in USD ($)		**330**

Electronic Acknowledgement Receipt	
EFS ID:	33621256
Application Number:	15234565
International Application Number:	
Confirmation Number:	9967
Title of Invention:	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS
First Named Inventor/Applicant Name:	Luis M. Ortiz
Customer Number:	64064
Filer:	Luis Melisendro Ortiz
Filer Authorized By:	
Attorney Docket Number:	1000-3452
Receipt Date:	04-SEP-2018
Filing Date:	11-AUG-2016
Time Stamp:	16:51:06
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$330
RAM confirmation Number	090518INTEFSW16525100
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	Fee Worksheet (SB06)	fee-info.pdf	32372 bda159b5a19c8d8841d849bc5399ae33fa69649a	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	32372		

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

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64064 e 2018-06-14

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

Paper No.

Application No.:	**15/234,565**	**Date Mailed:**	**2018-06-14** **ELECTRONIC**
First Named Inventor:	Luis M. Ortiz	Examiner:	NEYZARI, ALI
Attorney Docket No.:	1000-3452	Art Unit:	2687
Confirmation No.:	9967	Filing Date:	08/11/2016

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

Commissioner for Patents

PTO-90c (Rev.08-06)

NOTICE REQUIRING EXCESS CLAIMS FEES	Application No. 15/234,565	Applicant(s) ORTIZ ET AL.

The excess claim(s) filed on 21 May, 2018 is/are not accompanied by the appropriate payment of excess claims fees set forth in 37 CFR 1.16(h)-(j) or 1.492(d)-(f). Excess claims fees are required for each claim in independent form in excess of three (§ 1.16(h)), each claim (whether dependent or independent) in excess of twenty (note that § 1.75(c) indicates how multiple dependent claims are considered for fee calculation purposes) (§ 1.16(i)), and each application that contains a multiple dependent claim (§ 1.16(j)).

Since the application is not under a final rejection, applicant is given a time period of **TWO (2) MONTHS** from the mailing date of this notice to submit either: (1) the fee payment of $ 230.00, or (2) an amendment in compliance with 37 CFR 1.121 that cancels the excess claim(s), in order to avoid ABANDONMENT. Extensions of this time period may be granted under 37 CFR 1.136, unless the excess claim(s) was/were presented in a preliminary amendment.

☐ 1 The funds in Deposit Account No. are insufficient to cover the entire fee due. The balance is due within the time period set forth in this notice. See note below regarding the appropriate service charge.

☐ 2. The Credit Card payment to cover the entire fee due to Account (**Card type + last 4 digits ONLY**) was refused. The balance is due within the time period set forth in this notice. See note below regarding the appropriate service charge.

☐ 3. The amendment that includes the excess claim(s) has not been entered, since applicant has failed to remit (or authorize charge to a Deposit Account or Credit Card) the fee as indicated on the attached Patent Application Fee Determination Record (PTO/SB/06). Remittance or authorization is due within the time period set forth in this notice.

☐ 4. The fee submitted in this application is insufficient. A balance of $ is due for presentation of excess claims (37 CFR 1.16(h)-(j) or 1.492(d)-(f)).

☒ 5. Other.

Explanation (*Provide specific details of the required correction in order to assist the applicant. Indicate whether a service charge has been added to the fee due*): Two additional independent claims was filed.

THE AMOUNT OF THE FEE(S) DUE IS SUBJECT TO CHANGE, GENERALLY ON OCTOBER 1 OF EACH YEAR (37 CFR 1.16, 1.21 & 1.492). THE **AMOUNT OF THE FEE(S) DUE IS DETERMINED AS OF THE DATE A COMPLETE REPLY WITH THE APPROPRIATE FEE(S) IS RECEIVED BY THE OFFICE** (37 CFR 1.8 & 1.10). BECAUSE THE AMOUNT DUE IS SUBJECT TO CHANGE, IT IS RECOMMENDED THAT APPLICANT CHECK THE CURRENT FEE SCHEDULE WHICH IS AVAILABLE ON THE USPTO'S WEBSITE AT: ***http://www.uspto.gov/web/offices/ac/qs/ope/fees.htm***

Service Charges: There is a $50 service charge for processing each payment refused (including a check returned "unpaid") or charged back by a financial institution (37 CFR 1.21(m)). There is a $25.00 service charge for each month when the balance of a deposit account is below $1000 at the end of the month (37 CFR 1.21(b)(2)).

Technical Support Staff (TSS): ROSA WEST Phone Number: (571)272-1019

Note to TSS: Please do NOT use this notice if the application is under a final rejection.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	Luis M. Ortiz	**EXAMINER:**	Neyzari, Ali
SERIAL NO.:	15/234,565	**GROUP:**	2687
FILED:	08/11/2016	**ATTY DKT NO.:**	1000-3452
		CONF. NO.:	9967

TITLE: SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS

Please forward all correspondence to:

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

AMENDMENT AND RESPONSE TO NON-FINAL ACTION

Dear Sir:

Applicants submit this paper in response to the Official Action, non-final, dated May 18, 2018.

A listing of claims begins on page 2.

Remarks begin on Page 8 of this Paper.

LISTING OF CLAIMS

1. (Withdrawn) A system for enabling a wearable device user to access secured electronic systems, said system comprising:

a wearable device including telecommunications carrier access identification module, a cellular RF communications module, and a short-range RF communications module; and

a registration module configured to register secure electronic systems, authenticate a wearable device user, and grant the wearable device user with access to secured electronic systems if the wearable device user is authenticated by at least one of the wearable device, a carrier network, and a remote server.

2. (Withdrawn) The system of claim 1, wherein said wearable device further comprises a smartwatch including a microphone and skin illumination and measurement hardware, wherein authentication of the user is based on biometric information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

3. (Withdrawn) The system of claim 1, further comprising a GPS module for determining location of the wearable device user with respect to the secured electronic system, wherein access to the secured electronic systems is also dependent on the location of the wearable device user.

4. (Withdrawn) The system of claim 1, wherein access to the secured electronic system is determined by at least one of the wearable device and the registration module based on at least one of: user authenticated for access to secured electronic system by smartwatch, user biometrically authenticated for access by carrier, user biometrically authenticated for access by remote server, user granted access based on location, and user granted access based on proximity to a secured electronic system.

5. (Withdrawn) The system of claim 4, wherein said wearable device further comprises smartwatch including a microphone and skin illumination and measurement hardware, wherein authentication of the user is based on biometric information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

6. (Withdrawn) The system of claim 4, wherein said wearable device further comprises a GPS module for determining location of the wearable device user with respect to secured electronic systems, and wherein access to the secured electronic systems is dependent on the location of the wearable device user in relationship to the secured electronic systems.

7. (Withdrawn) The system of claim 5, wherein said wearable device further comprises a GPS module for determining location of the wearable device user with respect to secured electronic systems, and wherein access to the secured electronic systems is dependent on the location of the wearable device user in relationship to the secured electronic systems.

8. (Withdrawn) The system of claim 6, wherein said wearable device further comprises smartwatch including a microphone and skin illumination and measurement hardware, wherein authentication of the user is based on biometric information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

9. (Cancelled).

10. (Currently amended) ~~The method of claim 9,~~ A method for enabling a wearable device user to access secured electronic systems, said method comprising:

placing a wearable device in contact with a user, said wearable device including a telecommunications carrier access identification module, a cellular RF communications module, and a short-range RF communications module;

achieving secured, short-range RF communication between the wearable device and a secured electronic system;

authenticating the user with at least one of the wearable device, a remote server via cellular communications supported by the telecommunications carrier access identification module and the cellular RF communications module, and the secured electronic system via the secured, short-range RF communication; and

providing the user with access to or through the secured electronic system once authenticated;

wherein said wearable device comprises a smartwatch including a microphone and skin illumination and measurement hardware, and wherein authentication of the user is based on biometric information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

11. (Currently amended) ~~The method of claim 9,~~ A method for enabling a wearable device user to access secured electronic systems, said method comprising:

placing a wearable device in contact with a user, said wearable device including a telecommunications carrier access identification module, a cellular RF communications module, and a short-range RF communications module;

achieving secured, short-range RF communication between the wearable device and a secured electronic system;

authenticating the user with at least one of the wearable device, a remote server via cellular communications supported by the telecommunications carrier access identification module and the cellular RF communications module, and the secured electronic system via the secured, short-range RF communication; and

providing the user with access to or through the secured electronic system once authenticated;

wherein said wearable device includes a GPS module for determining location of the wearable device user with respect to the secured electronic system, and wherein the step of providing a user access to or through the secured electronic systems is also dependent on the location of the wearable device user.

12. (Currently amended) ~~The method of claim 9,~~ A method for enabling a wearable device user to access secured electronic systems, said method comprising:

placing a wearable device in contact with a user, said wearable device including a telecommunications carrier access identification module, a cellular RF communications module, and a short-range RF communications module;

achieving secured, short-range RF communication between the wearable device and a secured electronic system;

authenticating the user with at least one of the wearable device, a remote server via cellular communications supported by the telecommunications carrier access identification module and the cellular RF communications module, and the secured electronic system via the secured, short-range RF communication; and

providing the user with access to or through the secured electronic system once authenticated;

wherein said wearable device further comprises a registration module, wherein providing a user access to or through the secured electronic system is determined by at least one of the wearable device and the registration module based on at least one of: the user authenticated for access to secured electronic system by the wearable device, the user biometrically authenticated for access by a wireless carrier, the user biometrically authenticated for access by remote server, the user granted access based on location, and the user granted access based on proximity to a secured electronic system.

13. (Currently amended) The method of claim [[9]] 11, wherein said wearable device further comprises a smartwatch including a microphone and skin illumination and measurement hardware, wherein authentication of the user is based on biometric information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

14. (Currently amended) The method of claim [[13]] 10, wherein said wearable device further comprises a GPS module for determining location of the wearable device user with respect to secured electronic systems, and wherein access to the

secured electronic systems is dependent on the location of the wearable device user in relationship to the secured electronic systems.

15. (Currently amended) The method of claim [[11]] 12, wherein said wearable device further comprises a smartwatch including a microphone and skin illumination and measurement hardware, wherein authentication of the user is based on biometric information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

16. (Cancelled).

17. (Original) ~~The method of claim 16,~~ A method for enabling a smartwatch user to access secured electronic systems, said method comprising:

placing a smartwatch in contact with a user, the smartwatch including a registration module, a short-range RF communications module, a microphone, and skin illumination and measurement hardware;

achieving secured, short-range RF communication between the smartwatch and a secured electronic system;

authenticating the user with at least one of the smartwatch and the secured electronic system using at least one biometric obtained from at least one of the microphone and the skin illumination and measurement hardware;

providing the user with access to or through the secured electronic system once authenticated; and

~~wherein the smartwatch further includes~~ a subscriber identification module (SIM) and a cellular communications module, wherein authentication of the user is also achievable by accessing a remote server via cellular communications supported by the SIM and the cellular communications module and matching the at least one biometric.

18. (Original) The method of claim 17, wherein the smartwatch wearable device includes a GPS module for determining location of the smartwatch user with respect to the secured electronic system, and wherein the step of providing a user

access to or through the secured electronic systems is also dependent on a location of the smartwatch user with respect to a location of the secured electronic system.

19. (Original) The method of claim 18, wherein providing a user access to or through the secured electronic system is determined by the registration module based on at least one of: user authentication for access to secured electronic system by smartwatch, user biometric authentication by a wireless carrier, user biometric authentication by remote server, user location, and user proximity to a secured electronic system.

REMARKS

Applicants thank the Examiner for the careful examination of their claims.

Claims 1-19 were originally presented for examination. In the restriction requirement dated March 5, 2018, claims 1-8 were identified as a Group I drawn to "a system for enabling a wearable device user to access secured electronic systems comprising a wearable deice and a registration module." Claims 9-19 were identified as a Group II drawn to "a method for enabling a smartwatch user to access secured electronic systems comprising: placing a smartwatch in contact with a user' achieving secured RF communication" authenticating the user." Examiner believed the two groups (I/II) were unrelated and required restriction for examination purposes even though claim 9 refers to the element of claim 1 (e.g., "placing a wearable device in contact with a user, said wearable device including a telecommunications carrier access identification module, a cellular RF communications module, and a short-range RF communications module"). Applicants elected without traversal the claims belonging to Group II, or claims 9-19 for examination and withdrew claims 1-8 with the reservation of the filing claims 1-8 in a divisional application.

In a first official action dated May 18, 2018, for which this paper is being submitted, claims 9-19 were examined, claims 9 and 16 stand rejected under 35 USC 102 as being anticipated by either O'Toole et al (US 2016/0155281) or by Agrafioti et al (US 2015/0028996), and claims 10-15 and 17-19 stand objected to for being dependent on rejected independent claims 9 and 16.

In the official action, Examiner indicated that there is "allowable subject matter" in claims 10-15 and 17-19 if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicants have amended claims 10-15 and 17 exactly as suggested by Examiner. The amendment resulted in four independent claims and five dependent claims. An additional fee is provided together with this paper for the extra (fourth) independent claim.

The application and claims are now believed to be in proper form for allowance.

Examiner is respectfully invited to contact the undersigned representative should it be deemed useful in connection with further prosecution of the present application.

Respectfully submitted,

/LUIS M. ORTIZ/

Dated: May 21, 2018

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Electronic Patent Application Fee Transmittal

Application Number:	15234565
Filing Date:	11-Aug-2016
Title of Invention:	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS
First Named Inventor/Applicant Name:	Luis M. Ortiz
Filer:	Luis Melisendro Ortiz
Attorney Docket Number:	1000-3452

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:				
INDEPENDENT CLAIMS IN EXCESS OF 3	2201	1	230	230
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**230**

Electronic Acknowledgement Receipt	
EFS ID:	32683133
Application Number:	15234565
International Application Number:	
Confirmation Number:	9967
Title of Invention:	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS
First Named Inventor/Applicant Name:	Luis M. Ortiz
Customer Number:	64064
Filer:	Luis Melisendro Ortiz
Filer Authorized By:	
Attorney Docket Number:	1000-3452
Receipt Date:	21-MAY-2018
Filing Date:	11-AUG-2016
Time Stamp:	18:38:13
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$230
RAM confirmation Number	052218INTEFSW18403200
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment/Req. Reconsideration-After Non-Final Reject	20180521_Response2FirstOfficeAction_1000-3452.pdf	75939 b7efdd2eaa710a9772878349fd75a746571dc4b4	no	9
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30388 50efe5788728c7c25e869ea405f37f1bab4938e0	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	106327		

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

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 15/234,565	Filing Date 08/11/2016	☐ To be Mailed

ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

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

APPLICATION AS AMENDED – PART II

AMENDMENT	05/21/2018	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 17	Minus	** 20	= 0	X $50 =	0
	Independent (37 CFR 1.16(h))	* 5	Minus	***3	= 2	X $230 =	460
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	**460**

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

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

LIE
ROSA WEST

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/234,565	08/11/2016	Luis M. Ortiz	1000-3452	9967

64064 7590 05/18/2018

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

EXAMINER	
NEYZARI, ALI	

ART UNIT	PAPER NUMBER
2687	

NOTIFICATION DATE	DELIVERY MODE
05/18/2018	ELECTRONIC

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

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

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

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

Office Action Summary	Application No. 15/234,565	Applicant(s) ORTIZ ET AL.	
	Examiner Ali Neyzari	Art Unit 2687	AIA (First Inventor to File) Status Yes

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

Period for Reply

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

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

Status

1)☒ Responsive to communication(s) filed on *4/30/2018*.

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

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

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

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

Disposition of Claims*

5)☒ Claim(s) *1-19* is/are pending in the application.

5a) Of the above claim(s) *1-8* is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *9 and 16* is/are rejected.

8)☒ Claim(s) *10-15 and 17-19* is/are objected to.

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

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

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

11)☒ The drawing(s) filed on *8/11/16* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

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

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

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

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

Attachment(s)

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

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

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

4) ☐ Other: _____.

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

DETAILED ACTION

Election/Restrictions

Claims 1-8 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected Group I, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 4/30/2018.

Please cancel claims 1-8.

Claim Rejections - 35 USC § 102

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

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

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

Claim(s) 9 and 16 are rejected under 35 U.S.C. 102(a)(1) as being anticipated by O'Toole et al (US 2016/0155281) or by Agrafioti et al (US 2015/0028996).

Both O'Toole et al and Agrafioti et al disclose method and system for enabling a wearable device user to access secured electronic systems which comprising: placing a wearable device in contact with a user wherein the wearable device includes a telecommunication carrier access identification module, a cellular RF module; authenticating the user and providing the user with access to the secured electronic system (Paragraphs 00114-0020, Fig 1 and Paragraphs 0062-0066, Figs 4-6 in O'Toole et al and Paragraphs 0022-0037, Fig 1 and Paragraphs 0219-0223, Figs 16 and 17 in Agrafioti et al).

Allowable Subject Matter

Claims 10-15 and 17-19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ali Neyzari whose telephone number is (571)272-7622. The examiner can normally be reached on Mon-Fri from 9:00AM to 5:30 PM.

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, Firmin Backer can be reached on 571-272-6703. 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.

/Ali Neyzari/
Primary Examiner
Art Unit 2687

Notice of References Cited	Application/Control No. 15/234,565	Applicant(s)/Patent Under Reexamination ORTIZ ET AL.	
	Examiner Ali Neyzari	Art Unit 2687	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-7,630,721 B2	12-2009	Ortiz; Luis M.	G06Q10/06	455/456.1
*	B	US-2016/0155281 A1	06-2016	O'Toole; Christopher Diebold	G07C9/00182	340/5.64
*	C	US-2017/0270729 A1	09-2017	O'Toole; Christopher Diebold	G07C9/00182	1/1
*	D	US-2015/0028996 A1	01-2015	Agrafioti; Foteini	G06F21/40	340/5.82
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

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

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	65272	(wearable adj device) or smartwatch	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 18:48
L2	3498	L1 and (access$4 near3 secur$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 18:48
L3	1314	2 and user and cellular and RF and authenticat$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 18:51
L4	494	3 and telecommunicat$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 18:51
L5	487	4 and server	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 18:51
L6	256	5 and biometric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 18:52
L7	230	6 and microphone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 18:53
L8	94	7 and wireless and illuminat$4 and skin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 18:55
L9	0	8 and mudule and identificat$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 18:56
L10	94	8 and identificat$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 18:56
L11	94	10 and module	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 18:57
L12	78	11 and registrat$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 18:59
L13	1928	340/5.82	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:09
L14	88552	H04W12/06	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:10
L15	7633	H04L63/0861	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:10
L16	14530	H04L63/0853	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2018/05/13 19:10

			IBM_TDB			
L17	15097	H04M1/7253	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:10
L18	4190	H04M1/72533	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:11
L19	21614	H04W60/00	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:11
L20	10682	G07C9/00309	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:11
L21	1	G07C9/0087	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:11
L22	1619	G07C9/00563	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:11
L23	6377	H04M2250/02	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:12
L24	170	G07C2009/00968	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:12
L25	1067	G07C2009/00095	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:12
L26	3227	G07C2009/00769	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:13
L27	4	5 and 13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:13
L28	53	5 and 14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:13
L29	19	5 and 15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:13
L30	15	5 and 16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:13
L31	2	5 and 17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:13
L32	1	5 and 18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:13
L33	2	5 and 19	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:13
L34	7	5 and 20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:13
L35	0	5 and 21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2018/05/13 19:13

			IBM_TDB			
L36	1	5 and 22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:13
L37	1	5 and 23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:13
L38	4	5 and 24	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:14
L39	1	5 and 25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:14
L40	6	5 and 26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/13 19:14

5/ 13/ 2018 7:21:58 PM
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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15234565	ORTIZ ET AL.
	Examiner	Art Unit
	ALI NEYZARI	2687

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

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

CLAIM		DATE								
Final	Original	02/28/2018	05/13/2018							
	1	÷	N							
	2	÷	N							
	3	÷	N							
	4	÷	N							
	5	÷	N							
	6	÷	N							
	7	÷	N							
	8	÷	N							
	9	÷	✓							
	10	÷	O							
	11	÷	O							
	12	÷	O							
	13	÷	O							
	14	÷	O							
	15	÷	O							
	16	÷	✓							
	17	÷	O							
	18	÷	O							
	19	÷	O							

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15234565	ORTIZ ET AL.
	Examiner	Art Unit
	ALI NEYZARI	2687

CPC- SEARCHED		
Symbol	Date	Examiner
H04W12/06; H04L63/0861; H04L63/0853; H04M1/7253; H04M1/72533; H04W60/00; G07C9/00309; G07C9/00087; G07C9/00563; H04M2250/02; G07C2009/00976; G07C2009/0095	5/13/2018	AN

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
340	5.82	5/13/2018	AN

* 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
EAST search	5/13/2018	AN

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

	/ALI NEYZARI/ Primary Examiner.Art Unit 2687

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	Luis M. Ortiz	**EXAMINER:**	Neyzari, Ali
SERIAL NO.:	15/234,565	**GROUP:**	2687
FILED:	08/11/2016	**ATTY DKT NO.:**	1000-3452
		CONF. NO.:	9967

TITLE: SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS

Please forward all correspondence to:

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

RESPONSE TO RESTRICTION REQUIREMENT

Dear Sir:

Applicants submit this paper in response to the Restriction Requirement dated March 5, 2018.

A listing of claims begins on page 2.

Remarks begin on Page 7 of this Paper.

LISTING OF CLAIMS

1. (Withdrawn) A system for enabling a wearable device user to access secured electronic systems, said system comprising:

a wearable device including telecommunications carrier access identification module, a cellular RF communications module, and a short-range RF communications module; and

a registration module configured to register secure electronic systems, authenticate a wearable device user, and grant the wearable device user with access to secured electronic systems if the wearable device user is authenticated by at least one of the wearable device, a carrier network, and a remote server.

2. (Withdrawn) The system of claim 1, wherein said wearable device further comprises a smartwatch including a microphone and skin illumination and measurement hardware, wherein authentication of the user is based on biometric information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

3. (Withdrawn) The system of claim 1, further comprising a GPS module for determining location of the wearable device user with respect to the secured electronic system, wherein access to the secured electronic systems is also dependent on the location of the wearable device user.

4. (Withdrawn) The system of claim 1, wherein access to the secured electronic system is determined by at least one of the wearable device and the registration module based on at least one of: user authenticated for access to secured electronic system by smartwatch, user biometrically authenticated for access by carrier, user biometrically authenticated for access by remote server, user granted access based on location, and user granted access based on proximity to a secured electronic system.

5. (Withdrawn) The system of claim 4, wherein said wearable device further comprises smartwatch including a microphone and skin illumination and measurement hardware, wherein authentication of the user is based on biometric information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

6. (Withdrawn) The system of claim 4, wherein said wearable device further comprises a GPS module for determining location of the wearable device user with respect to secured electronic systems, and wherein access to the secured electronic systems is dependent on the location of the wearable device user in relationship to the secured electronic systems.

7. (Withdrawn) The system of claim 5, wherein said wearable device further comprises a GPS module for determining location of the wearable device user with respect to secured electronic systems, and wherein access to the secured electronic systems is dependent on the location of the wearable device user in relationship to the secured electronic systems.

8. (Withdrawn) The system of claim 6, wherein said wearable device further comprises smartwatch including a microphone and skin illumination and measurement hardware, wherein authentication of the user is based on biometric information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

9. (Original) A method for enabling a wearable device user to access secured electronic systems, said method comprising:

placing a wearable device in contact with a user, said wearable device including a telecommunications carrier access identification module, a cellular RF communications module, and a short-range RF communications module;

achieving secured, short-range RF communication between the wearable device and a secured electronic system;

authenticating the user with at least one of the wearable device, a remote server via cellular communications supported by the telecommunications carrier access identification module and the cellular RF communications module, and the secured electronic system via the secured, short-range RF communication; and

providing the user with access to or through the secured electronic system once authenticated.

10. (Original) The method of claim 9, wherein said wearable device comprises a smartwatch including a microphone and skin illumination and measurement hardware, wherein authentication of the user is based on biometric information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

11. (Original) The method of claim 9, wherein said wearable device includes a GPS module for determining location of the wearable device user with respect to the secured electronic system, wherein the step of providing a user access to or through the secured electronic systems is also dependent on the location of the wearable device user.

12. (Original) The method of claim 9, wherein said wearable device further comprises a registration module, wherein providing a user access to or through the secured electronic system is determined by at least one of the wearable device and the registration module based on at least one of: the user authenticated for access to secured electronic system by the wearable device, the user biometrically authenticated for access by a wireless carrier, the user biometrically authenticated for access by remote server, the user granted access based on location, and the user granted access based on proximity to a secured electronic system.

13. (Original) The method of claim 9, wherein said wearable device further comprises smartwatch including a microphone and skin illumination and measurement hardware, wherein authentication of the user is based on biometric

information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

14. (Original) The method of claim 13, wherein said wearable device further comprises a GPS module for determining location of the wearable device user with respect to secured electronic systems, and wherein access to the secured electronic systems is dependent on the location of the wearable device user in relationship to the secured electronic systems.

15. (Original) The method of claim 11, wherein said wearable device further comprises smartwatch including a microphone and skin illumination and measurement hardware, wherein authentication of the user is based on biometric information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

16. (Original) A method for enabling a smartwatch user to access secured electronic systems, said method comprising:

placing a smartwatch in contact with a user, the smartwatch including a registration module, a short-range RF communications module, a microphone, and skin illumination and measurement hardware;

achieving secured, short-range RF communication between the smartwatch and a secured electronic system;

authenticating the user with at least one of the smartwatch and the secured electronic system using at least one biometric obtained from at least one of the microphone and the skin illumination and measurement hardware; and

providing the user with access to or through the secured electronic system once authenticated.

17. (Original) The method of claim 16, wherein the smartwatch further includes a subscriber identification module (SIM) and a cellular communications module, wherein authentication of the user is also achievable by accessing a remote

server via cellular communications supported by the SIM and the cellular communications module and matching the at least one biometric.

18. (Original) The method of claim 17, wherein the smartwatch wearable device includes a GPS module for determining location of the smartwatch user with respect to the secured electronic system, and wherein the step of providing a user access to or through the secured electronic systems is also dependent on a location of the smartwatch user with respect to a location of the secured electronic system.

19. (Original) The method of claim 18, wherein providing a user access to or through the secured electronic system is determined by the registration module based on at least one of: user authentication for access to secured electronic system by smartwatch, user biometric authentication by a wireless carrier, user biometric authentication by remote server, user location, and user proximity to a secured electronic system.

REMARKS

Applicants thank the Examiner for the careful examination of their claims.

Claims 1-19 were presented for examination. In the restriction requirement dated March 5, 2018, claims 1-8 were identified as a Group I drawn to "a system for enabling a wearable device user to access secured electronic systems comprising a wearable deice and a registration module." Claims 9-19 were identified as a Group II drawn to "a method for enabling a smartwatch user to access secured electronic systems comprising: placing a smartwatch in contact with a user' achieving secured RF communication" authenticating the user." Examiner believe the two groups (I/II) are unrelated and required restriction for examination purposes even though claim 9 refers to the element of claim 1 (e.g., "placing a wearable device in contact with a user, said wearable device including a telecommunications carrier access identification module, a cellular RF communications module, and a short-range RF communications module"). Nevertheless, Applicants elect without traversal the claims belonging to **Group II, or claims 9-19** for examination and have withdrawn claims 1-8 but reserve the opportunity to file claims 1-8 in a divisional application.

Examiner is respectfully invited to contact the undersigned representative should it be deemed useful in connection with further prosecution of the present application.

Respectfully submitted,

/LUIS M. ORTIZ/

Dated: April 30, 2018

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Electronic Acknowledgement Receipt	
EFS ID:	32492743
Application Number:	15234565
International Application Number:	
Confirmation Number:	9967
Title of Invention:	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS
First Named Inventor/Applicant Name:	Luis M. Ortiz
Customer Number:	64064
Filer:	Luis Melisendro Ortiz
Filer Authorized By:	
Attorney Docket Number:	1000-3452
Receipt Date:	30-APR-2018
Filing Date:	11-AUG-2016
Time Stamp:	19:24:24
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Response to Election / Restriction Filed	20180430_Response2Restriction_1000-3452.pdf	64843 be1a42227a99dbcde6799ff7e790038976d6272e	no	7
Warnings:					

Information:	
Total Files Size (in bytes):	64843

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PTO/SB/06 (09-11)
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 15/234,565	Filing Date 08/11/2016	☐ 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), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	04/30/2018	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 19	Minus	** 20	= 0	X $50 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $230 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	0

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

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

SLIE
VIKKI GRAY

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/234,565	08/11/2016	Luis M. Ortiz	1000-3452	9967

64064 7590 03/05/2018

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

EXAMINER
NEYZARI, ALI

ART UNIT	PAPER NUMBER
2687	

NOTIFICATION DATE	DELIVERY MODE
03/05/2018	ELECTRONIC

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

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

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

docketing@olpatentlaw.com

Office Action Summary	Application No. 15/234,565	Applicant(s) ORTIZ ET AL.	
	Examiner Ali Neyzari	Art Unit 2687	AIA (First Inventor to File) Status Yes

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

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

Status

1)☒ Responsive to communication(s) filed on *8/11/2016*.

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

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

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

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

Disposition of Claims*

5)☒ Claim(s) *1-19* is/are pending in the application.

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

6)☐ Claim(s) _____ is/are allowed.

7)☐ Claim(s) _____ is/are rejected.

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

9)☒ Claim(s) *1-19* are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

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

11)☒ The drawing(s) filed on *8/11/16* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

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

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

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

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

Attachment(s)

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

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

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

4) ☐ Other: _____.

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

DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-8, drawn to a system for enabling a wearable device user to access secured electronic system comprising a wearable device and a registration module.

II. Claims 9-19, drawn a method for enabling a smartwatch user to access secured electronic systems comprising: placing a smartwatch in contact with a user; achieving secured RF communication; authenticating the user.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different designs, modes of operation, and effects (MPEP § 802.01 and § 806.06).

Restriction for examination purposes as indicated is proper because all the inventions listed in this action are independent or distinct for the reasons given above and there would be a serious search and/or examination burden if restriction were not required because one or more of the following reasons apply:

The inventions require a different field of search and /or the prior art applicable to one invention would not likely be applicable to another invention.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a invention to be examined even though the requirement may be traversed (37 CFR 1.143) **and (ii) identification of the claims encompassing the elected invention**.

The election of an invention may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable upon the elected invention.

Should applicant traverse on the ground that the inventions are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103 or pre-AIA 35 U.S.C. 103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be corrected in compliance with 37 CFR 1.48(a) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. A request to correct inventorship under 37 CFR 1.48(a)

must be accompanied by an application data sheet in accordance with 37 CFR 1.76 that identifies each inventor by his or her legal name and by the processing fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ali Neyzari whose telephone number is (571)272-7622. The examiner can normally be reached on Mon-Fri from 9:00AM to 5:30 PM.

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, Firmin Backer can be reached on 571-272-6703. 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.

/Ali Neyzari/
Primary Examiner
Art Unit 2687

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	
	Filing Date	
	First Named Inventor	Luis M. Ortiz
	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	1000-3452

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	9031537	B2	2015-05-12	Ortiz et al.	

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

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					

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FOREIGN PATENT DOCUMENTS Remove

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 Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

EFS Web 2.1.17

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.N/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	
	First Named Inventor	Luis M. Ortiz
	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	1000-3452

	1		

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

EXAMINER SIGNATURE

Examiner Signature	/ALI NEYZARI/	Date Considered	02/27/2018

*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.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.N/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	
	First Named Inventor	Luis M. Ortiz
	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	1000-3452

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	/LUIS ORTIZ/	Date (YYYY-MM-DD)	2016-08-11
Name/Print	Luis Ortiz	Registration Number	36230

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.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.N/

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 record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.N/

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15234565	ORTIZ ET AL.
	Examiner	Art Unit
	ALI NEYZARI	2687

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

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

CLAIM		DATE								
Final	Original	02/28/2018								
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	16	÷								
	17	÷								
	18	÷								
	19	÷								

Bibliographic Data

Application No: 15234565

Foreign Priority claimed:	○ Yes	◉ No	
35 USC 119 (a-d) conditions met:	☐ Yes	☑ No	☐ Met After Allowance
Verified and Acknowledged:	/Ali Neyzari/		
	Examiner's Signature		Initials

Title: SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
08/11/2016	340	2687	
RULE			

APPLICANTS

INVENTORS

Luis M. Ortiz, Albuquerque, NM, UNITED STATES

Sofia A. Ortiz, Albuquerque, NM, UNITED STATES

Luis Miguel Ortiz, Albuquerque, NM, UNITED STATES

CONTINUING DATA

This application has PRO of 62204050 08/12/2015

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

08/23/2016

STATE OR COUNTRY

UNITED STATES

ADDRESS

FILING FEE RECEIVED

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/234,565	08/11/2016	Luis M. Ortiz	1000-3452

CONFIRMATION NO. 9967

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

PUBLICATION NOTICE

OC000000089285608

Title:SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS

Publication No.US-2017-0048707-A1
Publication Date:02/16/2017

NOTICE OF PUBLICATION OF APPLICATION

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

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

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records 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, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

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

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

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

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United States Patent and Trademark Office
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www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/234,565	08/11/2016	Luis M. Ortiz	1000-3452

CONFIRMATION NO. 9967

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

POA ACCEPTANCE LETTER

OC000000086897854

Date Mailed: 11/02/2016

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 10/24/2016.

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

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

/nbekele/

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 15/234,565

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	70		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	300		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	360		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	19 minus 20 =	*	x 40 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*	x 210 =	0.00			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	730		TOTAL	

APPLICATION AS AMENDED - PART II

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

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

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

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

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

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

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
15/234,565	08/11/2016	3782	800	1000-3452	19	3

CONFIRMATION NO. 9967

UPDATED FILING RECEIPT

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

OC000000088897305

Date Mailed: 11/02/2016

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)

Luis M. Ortiz, Albuquerque, NM;
Sofia A. Ortiz, Albuquerque, NM;
Luis Miguel Ortiz, Albuquerque, NM;

Applicant(s)

Luis M. Ortiz, Albuquerque, NM;
Sofia A. Ortiz, Albuquerque, NM;
Luis Miguel Ortiz, Albuquerque, NM;

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

Domestic Priority data as claimed by applicant

This appln claims benefit of 62/204,050 08/12/2015

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: 08/23/2016

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/234,565**

Projected Publication Date: 02/16/2017

Non-Publication Request: No

Early Publication Request: No
**** SMALL ENTITY ****
Title

SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS

Preliminary Class

224

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

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

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Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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

PTO/AIA/82B (07-13)
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POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date
15/234,565	08/11/2016

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

☑ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 64064

OR

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

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

☑ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

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

Luis M. Ortiz

☑ Inventor or Joint Inventor (title not required below)

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

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

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

SIGNATURE of Applicant for Patent

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

Signature		Date (Optional)	10/20/16
Name	Luis M. Ortiz		
Title			

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

☑ Total of 3 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

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

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Application Number	Filing Date
15/234,565	08/11/2016

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

☑ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 64064

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Country					
Telephone		Email			

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Luis Miguel Ortiz

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SIGNATURE of Applicant for Patent

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

Signature	/Luis M. Ortiz/	Date (Optional)	10/20/16
Name	Luis Miguel Ortiz		
Title			

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

☑ Total of 3 forms are submitted.

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

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

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☐ The address associated with Customer Number:

OR

Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

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

Sofia A. Ortiz

☑ Inventor or Joint Inventor (title not required below)

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

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

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

SIGNATURE of Applicant for Patent

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

Signature	Sofia A. Ortiz	Date (Optional)	10/20/16
Name	Sofia A. Ortiz		
Title			

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

☑ Total of 3 forms are submitted.

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

Electronic Patent Application Fee Transmittal

Application Number:	15234565
Filing Date:	11-Aug-2016
Title of Invention:	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS
First Named Inventor/Applicant Name:	Luis M. Ortiz
Filer:	Luis Melisendro Ortiz/Kemlyn Evans
Attorney Docket Number:	1000-3452

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
UTILITY FILING FEE (ELECTRONIC FILING)	4011	1	70	70
UTILITY SEARCH FEE	2111	1	300	300
UTILITY EXAMINATION FEE	2311	1	360	360
Pages:				
Claims:				
Miscellaneous-Filing:				
LATE FILING FEE FOR OATH OR DECLARATION	2051	1	70	70
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**800**

Electronic Acknowledgement Receipt	
EFS ID:	27301710
Application Number:	15234565
International Application Number:	
Confirmation Number:	9967
Title of Invention:	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS
First Named Inventor/Applicant Name:	Luis M. Ortiz
Customer Number:	64064
Filer:	Luis Melisendro Ortiz/Kemlyn Evans
Filer Authorized By:	Luis Melisendro Ortiz
Attorney Docket Number:	1000-3452
Receipt Date:	24-OCT-2016
Filing Date:	11-AUG-2016
Time Stamp:	15:20:16
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$800
RAM confirmation Number	102516INTEFSW15222200
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	Applicant Response to Pre-Exam Formalities Notice	1000-3452_ResptoMissParts_Oct2016.pdf	227817 bb7ec38c983802c4a4cf3f7c5a41307e94c203f4	no	3
Warnings:					
Information:					
2	Oath or Declaration filed	Declarations_15234565.pdf	3107882 78fcda9c7e7f22f2b24e9890dfa1cc30e3890e87	no	3
Warnings:					
Information:					
3	Power of Attorney	PowerofAttorney_15234565.pdf	3385929 ab7bdc5e40c4f7610900a5c26600de9e075a6854	no	3
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	37188 647bc3542b878144cdf1b542c85f3e28f377fe06	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	6758816		

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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	Luis M. Ortiz	**EXAMINER:**	TBD
SERIAL NO.:	15/234,565	**GROUP:**	3782
FILED:	08/11/2016	**ATTY DKT NO.:**	1000-3452
TITLE:	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS		

Submission of Missing Parts

Sir:

In response to the Notice to File Missing Parts mailed on August 25, 2016 having a statutory response period extending through October 25, 2016, please accept this submission of the missing parts. No new matter has been introduced.

A properly executed inventors' declaration and the filing fees with surcharge fee are submitted along with this paper.

Date: October 24, 2016

Respectfully submitted,

Luis M. Ortiz
Attorney for the Applicants
Registration No. 36,230
Telephone No.: (505) 314-1310
Fax No.: (505) 314-1307

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/234,565	08/11/2016	Luis M. Ortiz	1000-3452

CONFIRMATION NO. 9967

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

FORMALITIES LETTER

OC000000085306648

Date Mailed: 08/25/2016

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

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

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

SUMMARY OF FEES DUE:

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

- $ **70** basic filing fee.
- $ **70** surcharge.
- $ **300** search fee.
- $ **360** examination fee.
- $(**0**) previous unapplied payment amount.
- $ **800** TOTAL FEE BALANCE DUE.

Items Required To Avoid Processing Delays:

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

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

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
  Luis M. Ortiz
  Sofia A. Ortiz
  Luis Miguel Ortiz

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://sportal.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**.

/vvan/

PTO/AIA/01 (06-12)
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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS

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 15/234,565

filed on 08/11/2016.

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: Sofia A. Ortiz Date (Optional): 10/20/16

Signature: Sofia A. Ortiz

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.**

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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 15/234,565 filed on 08/11/2016.

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.

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LEGAL NAME OF INVENTOR

Inventor: Luis Miguel Ortiz Date (Optional): 10/20/16

Signature: Luis M Ortiz

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.

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

Title of Invention	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS

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 15/234,565 filed on 08/11/2016.

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: Luis M. Ortiz Date (Optional): 10/20/16

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.

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/234,565	08/11/2016	Luis M. Ortiz	1000-3452

CONFIRMATION NO. 9967

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

FORMALITIES LETTER

OC000000085306648

Date Mailed: 08/25/2016

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

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

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

SUMMARY OF FEES DUE:

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

- $ **70** basic filing fee.
- $ **70** surcharge.
- $ **300** search fee.
- $ **360** examination fee.
- $(**0**) previous unapplied payment amount.
- $ **800** TOTAL FEE BALANCE DUE.

Items Required To Avoid Processing Delays:

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

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

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
  Luis M. Ortiz
  Sofia A. Ortiz
  Luis Miguel Ortiz

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://sportal.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**.

/vvan/

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 15/234,565

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	70		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	300		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	360		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	19 minus 20 =	*	x 40 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*	x 210 =	0.00			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	730		TOTAL	

APPLICATION AS AMENDED - PART II

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

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

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

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

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

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
15/234,565	08/11/2016	3782	0.00	1000-3452	19	3

CONFIRMATION NO. 9967

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

FILING RECEIPT

OC000000085306647

Date Mailed: 08/25/2016

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)

Luis M. Ortiz, Albuquerque, NM;
Sofia A. Ortiz, Albuquerque, NM;
Luis Miguel Ortiz, Albuquerque, NM;

Applicant(s)

Luis M. Ortiz, Albuquerque, NM;
Sofia A. Ortiz, Albuquerque, NM;
Luis Miguel Ortiz, Albuquerque, NM;

Power of Attorney: None

Domestic Priority data as claimed by applicant

This appln claims benefit of 62/204,050 08/12/2015

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: 08/23/2016

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/234,565**

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

Non-Publication Request: No

Early Publication Request: No
**** SMALL ENTITY ****
Title

SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS

Preliminary Class

224

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

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

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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

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

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

NOT GRANTED

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

SelectUSA

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

UTILITY PATENT APPLICATION TRANSMITTAL

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

Attorney Docket No.:	1000-3452	Total Pages:	35
First Named Inventor or Application Identifier			
Luis M. Ortiz			
Express Mail Label No.:	Not Applicable		

APPLICATION ELEMENTS

See MPEP Chapter 600 concerning utility patent application contents.

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

1. ☐ Fee Transmittal Form (Submit an original, and a duplicate for fee processing)
2. ☒ Specification (incl. claims) (Total Pages: 15)
3. ☒ Drawing(s) (35 USC 113) (Total Sheets: 4)
   ☐ Informal ☒ Formal
4. ☐ Oath or Declaration
   a. ☐ Newly executed (original or copy)
   b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) *[Note Box 5 below]*
      ☐ i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
5. ☒ Incorporation By Reference *(usable if Box 4b is checked)* The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
   a. ☐ Computer Readable Copy
   b. ☐ Paper Copy (identical to computer copy)
   c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☒ Information Disclosure Statement (IDS)/PTO-1449
12. ☐ Preliminary Amendment
13. ☐ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
14. ☐ Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☒ Other: Application Data Sheet

17. ☐ **CROSS-REFERENCE TO PATENT APPLICATION**: The present invention claims priority to U.S. Provisional Patent Application Serial No. 62/204,050 entitled "SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS," filed August 12, 2015, which is herein incorporated by reference in its entirety.

18. **CORRESPONDENCE ADDRESS**

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

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

19. ☒ The filing fee is calculated below:

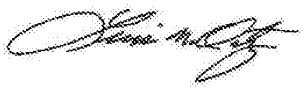
CLAIMS AS FILED, LESS ANY CLAIMS CANCELED BY ABOVE-INDICATED AMENDMENT(S)				
(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
TOTAL CLAIMS (37 CFR 1.16(c))	20 - 19 =	0	x $40	= $0.00
INDEPENDENT CLAIMS (37 CFR 1.16(b))	3 - 3 =	0	x $210	= $0.00
MULTIPLE DEPENDENT CLAIMS (IF APPLICABLE) (37 CFR 1.16(d))		ANY -- 0	$390	= $ 0.00
BASIC FILING FEE				$70.00
UTILITY SEARCH FEE				$300.00
UTILITY EXAMINATION FEE				$360.00
TOTAL			=	$730.00

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

21. ☐ Power of Attorney

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

Respectfully submitted,



Luis M. Ortiz
Signature per 37 CFR 1.33 & 34
Date: August 11, 2016
Registration No. 36,230
Telephone 505-314-1310

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	
	Filing Date	
	First Named Inventor	Luis M. Ortiz
	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	1000-3452

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	9031537	B2	2015-05-12	Ortiz et al.	
If you wish to add additional U.S. Patent citation information please click the Add button.						Add

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

FOREIGN PATENT DOCUMENTS								Remove
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							
If you wish to add additional Foreign Patent Document citation information please click the Add button								Add

NON-PATENT LITERATURE DOCUMENTS			Remove
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	
	First Named Inventor	Luis M. Ortiz
	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	1000-3452

	1		

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	
	First Named Inventor	Luis M. Ortiz
	Art Unit	TBD
	Examiner Name	TBD
	Attorney Docket Number	1000-3452

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	/LUIS ORTIZ/	Date (YYYY-MM-DD)	2016-08-11
Name/Print	Luis Ortiz	Registration Number	36230

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 record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1000-3452
	Application Number	
Title of Invention	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS	

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
	Luis	M.	Ortiz	

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

City	Albuquerque	State/Province	NM	Country of Residence	US

Mailing Address of Inventor:

Address 1	7005 Vista Del Arroyo Ave. NE		
Address 2			
City	Albuquerque	State/Province	NM
Postal Code	87109	Country	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Sofia	A.	Ortiz	

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

City	Albuquerque	State/Province	NM	Country of Residence	US

Mailing Address of Inventor:

Address 1	7005 Vista Del Arroyo Ave. NE		
Address 2			
City	Albuquerque	State/Province	NM
Postal Code	87109	Country	US

Inventor 3 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Luis Miguel		Ortiz	

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

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Title of Invention	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS	

City	Albuquerque	State/Province	NM	Country of Residence	US

Mailing Address of Inventor:

Address 1	7005 Vista Del Arroyo Ave. NE		
Address 2			
City	Albuquerque	State/Province	NM
Postal Code	87109	Country	US

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

Correspondence Information:

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

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

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

Application Information:

Title of the Invention	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS		
Attorney Docket Number	1000-3452	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	4	Suggested Figure for Publication (if any)	

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.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1000-3452
	Application Number	
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Representative Information:

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

Please Select One:	● Customer Number	US Patent Practitioner	◯ Limited Recognition (37 CFR 11.9)
Customer Number	64064		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 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			Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Claims benefit of provisional	62204050	2015-08-12

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. Add

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1000-3452
		Application Number	
Title of Invention	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS		

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

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1000-3452
	Application Number	
Title of Invention	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS	

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)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

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.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☒ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☒ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1000-3452
	Application Number	
Title of Invention	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS	

Applicant Information:

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

Applicant 1 — Remove

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

Assignee	Legal Representative under 35 U.S.C. 117	Joint Inventor
Person to whom the inventor is obligated to assign.	Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☐

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

Mailing Address Information For Applicant:

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

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

Assignee Information including Non-Applicant Assignee Information:

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

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	Application Number	
Title of Invention	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS	

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

Remove

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

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

Mailing Address Information For Assignee including Non-Applicant Assignee:

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

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

Signature:

Remove

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). **However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).**

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	/LUIS ORTIZ/			Date (YYYY-MM-DD)	2016-08-11
First Name	Luis	Last Name	Ortiz	Registration Number	36230

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

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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 CooperationTreaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

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SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS

INVENTION PRIORITY

[0001] The present invention claims priority to U.S. Provisional Patent Application Serial No. 62/204,050 entitled "SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS," filed August 12, 2015, which is herein incorporated by reference in its entirety.

TECHNICAL FIELD

[0002] Embodiments generally relate to electronic system security and access. Embodiments additionally relate to wearable devices. Embodiment also relate to telecommunications including cellular and short-range radio frequency communications. More particularly, embodiments related to system, methods, and apparatuses for enabling wearable device user access to secured electronic systems.

BACKGROUND OF THE INVENTION

[0003] Secured electronic system as discussed in this document to teach features of the present invention can include remote servers, physical barriers entries (e.g., doors, gates, garage doors, safes) requiring entry of a passcode for access, vehicle ignitions requiring physical manipulation of a key to initiate starting of an engine, equipment requiring keys, passwords or initiation routines for their access and use, as well as other protected systems physical manipulation or several steps for access/use.

[0004] Wearable devices are growing in popularity and typically include a microprocessor to provide some useful or entertaining function. A technologically sophisticated version of wearable device that has recently been released to consumers is being referred to as a "smartwatch." There are few applications for smartwatches given their short market life thus far. An example are what is currently being referred to as "smartwatches" such as Apple Corporation's "Apple Watch"™, Samsung Corporation's "Gear"™, Sony "SmarthWatch"™, and LG "Urbane"™. Recently, Samsung and LG began providing smartwatches incorporating SIMs. Users requiring

telecommunications network access are typically limited to accessing a cellular data network with their smartphone devices, it typically being the only device carried by the user with a SIM, equipment identification and associated wireless carrier subscriber account. That will now be changing with the integration of smartwatches that can communicate with wireless telecommunications carriers. Smartwatches will likely be the most pervasively used form of wearable device and could reduce user dependence on larger form factor devices for certain applications where it is a burden to retrieve and operate a portable, electronic wireless hand held devices.

[0005] There are so many portable devices available to users. It is not uncommon for a user to have two or three devices with them at a time that enable at least some form of wireless communication (e.g., cellular, Wi-Fi, Bluetooth, NFC) and data access. Wearable devices are also now available including computing and wireless communication capability. Electronic wireless hand held devices, such as data/video-enabled cellular telephones (often referred to as "mobile phones" or "smartphones"), tablet computers, and other portable, hand held wireless data-enabled devices have become a part of everyday life. Such mobile device are capable of multimedia data transmission and retrieval from multiple networks and wireless connections including: cellular (including 4G/LTE, 802.11 WiFi networks), short range radio frequency, and/or line of sight communications standards and networks such those that are standardized including Bluetooth, Bluetooth LE, IrDA (infrared), RFID, NFC, and other proprietary, secure means that are not yet standardized. Many current mobile devices are capable of determining location information and directions using GPS and by displaying maps retrieved from remote servers (e.g., via the Internet), include touch sensitive display screens, and incorporate high-resolution cameras. Mobile devices are capable of moving data to/from, and operating with, removable cartridges (e.g., external memory, smart card, card-based application modules and electronics) and/or via wireless communication to neighboring devices.

[0006] A subscriber identity module or subscriber identification module (SIM) card can be provided in the form of a physical module with an integrated circuit that is intended to securely store the international mobile subscriber identity (IMSI) number and its related key, which are used to identify and authenticate a subscriber of a single mobile device, and can be removable for use in other devices. It is also possible to store contacts on

the SIM cards. SIM cards are always used on GSM phones; for CDMA phones, they are only needed for newer LTE-capable handsets. Some CDMA devices also have a similar card called a R-UIM. SIM cards can also be used in satellite phones. Individual GSM, WCDMA, iDEN, and some satellite phone devices are uniquely identified by an International Mobile Equipment Identity (IMEI) number. Some mobile devices do not require or use a SIM card, but rely on a mobile equipment identifier (MEID) to identify the device and be authorized to receive carrier services. A Mobile Equipment Identifier (MEID) is 14 digits long and is used to identify a cell phone that utilizes the CDMA technology for wireless service. CDMA phones don't typically have SIM cards and CDMA (Code Division Multiple Access) is just a type of technology used for wireless phone service. An International Mobile Station Equipment Identity or IMEI for short is a number that identifies mobile phones that run on a GSM network. GSM is just another type of wireless technology used for mobile service.

[0007] What is needed are systems, methods, and apparatuses that enable a user of a wearable device (e.g., smartwatch) to access secure electronic systems.

BRIEF SUMMARY

[0008] The following summary is provided to facilitate an understanding of some of the innovative features unique to the disclosed embodiments 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.

[0009] It is, therefore, one aspect of the disclosed embodiments to provide improved systems, methods, and apparatuses that enable a wearable device user to access secured electronic systems. Examples of secured electronic systems include: secured entry barriers (e.g., doors, gates, safes), vehicle (e.g., to compartment access and start ignition), equipment (e.g., industrial, medical, laboratory, etc.), automatic teller machines, payment mechanisms (e.g., vending machines, parking meters), point-of-sale (POS), and secured databases (e.g., remote servers containing health care/patient information).

[0010] It is, therefore, another aspect of the disclosed embodiments to provide improved systems, methods, and apparatuses that enable a wearable device in the form of a smartwatch carrier access and subscriber account associated therewith to access secure electronic systems where a remote server can be accessed over a data network to authenticate a user.

[0011] It is yet another feature of the disclosed embodiments that a user can be authenticated by biometric hardware (e.g., voice, skin illumination) integrated on the smartwatch worn by the user prior to granting secured electronic system access.

[0012] It is yet another feature of the embodiments that a user can access a secured electronic system when the smartwatch worn by the user is in short-range radio frequency communication with the electronic system.

[0013] It is yet another aspect of the disclosed embodiments to enable a wearable device in the form of a smartwatch that includes carrier access and associated subscriber account associated therewith to serve to authenticate a user for access to a secured electronic systems that is registered for access by a user associated with the smartwatch, and access can further be provided when the wearable device and user is within short RF communication range of the secured electronic system.

[0014] It is yet another feature that biometrics integrated with the wearable device can support user authentication to include voice authentication via a microphone integrated with the wearable device, and skin layer illumination using a laser light source integrated within the wearable device when in contact with a user skin, vital patterns (e.g., heart rate pattern) obtained via the light source integrated within the wearable device when in contact with a user's skin, or any combination.

[0015] It is yet another aspect of the disclosed embodiments to enable a wearable device (e.g., smartwatch) that includes a GPS module, carrier access, and active subscriber account associated with the SIM, and the wearable device serves as the single, common portal to receive/obtain/transmit wireless voice calls, text, other application data and account access on behalf of the wearable device user in association with the user's carrier subscriber account and enables access to secured

electronic systems by the wearable device when the user via wearable device worn by user is determined by the GPS module to be located near the secured electronic system.

[0016] It is yet another feature of the present invention to provide a smartwatch for placement on a user's wrist that includes modules to carry out authentication of the user, determine the user's location, enable carrier data network communications with the smartwatch, and enable user access to secured electronic systems based on at least one of: user biometric authentication, user location, user proximity to a secured electronic system, and registration of the secured electronic system with the wearable device.

[0017] These and other features and embodiments of the present invention will become apparent to the skilled after reading the following detailed description and the appended claims.

BRIEF DESCRIPTION OF THE DRAWINGS

[0018] 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 embodiments and, together with the detailed description, serve to explain the principles of the present invention.

[0019] FIG. 1 illustrates a block diagram of a wearable device in the form of a smartwatch that can include, among other items, a carrier access (represented by a SIM), cellular network communications module supporting RF communications with a telecommunication carrier network, short-range RF communications module supporting communication with devices in close proximity to the wearable device, GPS module for determining wearable device (and user) location, and secured electronic system registration module for registering secured electronic devices, which can be implemented in accordance with embodiments of the present invention;

[0020] FIG. 2 illustrates a block diagram representing a wearable device in the form of a smartwatch supporting secure communication and access by the smartwatch to a mobile carrier network, data network, remote server, and electronic systems, which can be implemented in accordance with an alternative embodiment; and

[0021] FIGS. 3-5 illustrate flow diagrams of methods of providing a user of a wearable device with access to secured electronic systems.

DETAILED DESCRIPTION

[0022] 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.

[0023] Unlike personal computers, which are general-purpose devices geared towards refining and processing information, modern mobile communication devices are designed to capture, store, and display information originating from various sources while a user is "on the go" or otherwise mobile. Additionally, while a certain level of skill is required to use a personal computer effectively, mobile devices are designed with the novice and non-computer user in mind and are therefore intuitively easy to use. Mobile communications devices are typically used in a smartphone or tablet format. US Patent No. 9,031,537, which is entitled "Electronic Wireless Hand Held Multimedia Device", is representative of such a device and is incorporated herein by reference for its teaching. Either of these particular device formats can include a SIM to provide user access to carrier networks and account data (including voice, text, and application specific date retrievable remotely from servers). Much of the functionality that has previously been provided in smartphone and tablet format is now available on wearable devices in the form of a watch. "Smartwatch" is the general term for such a device. Some smartwatches will soon be including a SIM. There are few applications, however, to date for smartwatches given their infancy in the consumer marketplace.

[0024] The present invention provides wearable device users (in particular, smartwatch users) access to secured electronic systems. A secured electronic system can be broadly defined herein as a system requiring electronic initiation for its operation or to gain access to it. Examples include: secured entries having electromechanical locking systems that can be operated (unlocked) electronically with access codes; wireless vehicle compartment access and ignition initiation; equipment (industrial, medical, laboratory) secured by electronic codes for access and use; automatic teller machines; payment mechanisms; points-of-sale; and secured server or databases including protected information (e.g., patient records/information). The present invention can provide authorized users/wearers of a wearable device in the form of a smartwatch to gain access to secured electronic systems, even if access requires any of: a

determination of user identity, biometric measurement, location determination, access to remote data, and proximity to the secured electronic system.

[0025] Referring to FIG. 1, illustrated is a block diagram of a wearable device 100 in the form of a smartwatch, which includes a housing 101 having an integrated display screen 102, physical user interfaces 103/104, integrated microphone 105, skin illumination/reading sensors 106, and straps 107 to secure the smartwatch to a user's wrist. The display screen can be touch sensitive and can provide part of the user interface with the smartwatch 100. The physical user interfaces can be provided in the form of a rotatable crown 103 and at least one push-button 104. Modules that can also be included are a module for identifying the wearable device identification information to a carrier network and is being identified generally as an subscriber identification module (SIM) 108 without limitation to SIMs that are physical and removable form devices, cellular RF communications module 109, Bluetooth communications module 110 (although use of other RF short range modules and standards is possible), and specialized electronic system registration module 111. The SIM 108 enables communication of the wearable device for its authorized user with a telecommunication carrier's network (e.g., Verizon, Sprint AT&T, etc.) to enable the user of the smartwatch 100 to receive/place voice calls, receive/transmit text messages, and access data networks and remote assets (e.g., remote servers).

[0026] The cellular communications module 109 and Bluetooth communications module 110 each support bi-directional data radio frequency (RF) communications of the smartwatch 100. The cellular communications module 109 supports RF communication of the smartwatch 100 with a cellular data telecommunications networks provided by telecommunications carriers (e.g., GSM, CDMA, etc.). Bluetooth communications module 110 supports bi-directional data RF communications of the smartwatch 100 with secured electronic systems. Electronic System (ES) registration module 111 provides specialized application software to support registration of a secured electronic system with the smartwatch, and facilitates the establishment of wireless communication between the smartwatch 100 and a registered secured electronic system. A user can be authenticated for access via smartwatch carrier network access, and communication with secured electronic systems, via biometric authentication, which can be facilitated by the SIM 108 and software in the electronic

system registration module 111. Biometrics can be obtained from a user via voice spoken into the microphone 105 or by obtaining skin measurements via skin illumination and reading hardware 106, or a combination of both biometrics.

[0027] Additionally, a GPS (Global Positioning System) module 112 can be included in the wearable device 100. GPS module 112 can be configured to provide location information for the wearable device 100 in relation to secured electronic systems, and can operate with mapping software and resources to provide navigable directions on the display screen 102 to the user, which can be referred to as GPS mapping.

[0028] FIG. 2 illustrates a block diagram representing a smartwatch 100 as illustrated in FIG. 1 providing secured access to secured electronic systems 130. The smartwatch 100 is also in secure communications with a carrier network 120 (e.g., Verizon, Sprint, AT&T, T-Mobile, etc., in the United States), which can provide further access to other Internet 150 resources, such as a remote secured server 160. The secured electronic systems listed in block 130 can be registered with the smartwatch 100 using electronic system (ES) registration module 111 for communication with/through a carrier network, if necessary to authenticate a user of the smartwatch 100. It should be understood that initial registration of secured electronic systems 130 can be with at least one of the carrier network 120, the smartwatch 100, or a remote server 160. It should be noted that registration of a secured electronic system is different from merely setting up a Bluetooth connection ("pairing") with the portable devices. For example, a user can access a vehicle that is registered with the smartwatch 100 (or service accessible by the smartwatch) when the user is authenticated to access the vehicle by the smartwatch 100 and is in close proximity to the vehicle as determined by the smartwatch 100. Ideally, the vehicle door can unlock automatically for the user when the user is within ten feet of the vehicle. Then, the authenticated user can start the ignition of the vehicle when the smartwatch 100 is again in close proximity (ideally less than five feet) to the ignition button or the user is determined based by the RF signal from the smartwatch to be located in driver seat. The smartwatch can be paired when Bluetooth is used as the short-range RF transmission standard, but Bluetooth LE pairing does not guarantee that an authenticated user of the registered vehicle is attempting to use the vehicle, which is why user authentication and secured electronic system registration can be uniquely provided as taught herein.

[0029] FIG. 3-5 illustrate flow diagrams of methods of providing a user of a smartwatch 100 access to secured electronic systems 130. Referring to the flow diagram 200 in FIG. 3, a wearable device (e.g., smartwatch) is placed in contact with a user as shown in block 210. Contact can refer to the placement of a wearable device on the wrist of a user in a manner where it is strapped snuggly so that the back of the wearable device contacts the skin of a user. As shown in block 220, the wearable device obtains secured, short-range communication with a secured electronic system. Then, as shown in block 230, the wearable device automatically authenticates the user and provides an authenticated user with access to/through a secured electronic system. The secured electronic systems can be registered with the smartwatch and recognized when short-range communications are established between them (e.g., Bluetooth pairing is accomplished).

[0030] Referring to FIG. 4, a flow diagram 300 illustrates another method of providing access to secured electronic systems via a smartwatch in accordance with the embodiments. Referring to block 310, a smartwatch is placed in contact with a user's wrist. The smartwatch then authenticates the user, as shown in block 320. The smartwatch then establishes communication with a secured electronic system, as shown in block 330. As shown by arrow labeled 325, block 330 can precede block 320 (communication established before authentication). Authentication can depend on whether it requires remote resources provided by the carrier, or if authentication only needs occur in the smartwatch. Authentication can be accomplished by password entry on the user interface (e.g., touch screen) of the smartwatch or by using the smartwatch to obtain biometric information from the user. Biometrics can include voice or skin illumination measurements as described before. Referring to block 340, the user can be granted access to a secured electronic system when at least one of the following conditions applies to the user: authenticated for access to secured electronic system by smartwatch; authenticated for access by network carrier; authenticated for access by remote server; granted access based on location, or granted access based on proximity to the secured electronic system.

[0031] Referring to FIG. 5, illustrated is a flow diagram 400 of another method for providing access to secured electronic systems via a wearable device. Referring to

block 410, a wearable device user is determined to be in close proximity to a secured electronic system. In block 420, the wearable device establishes secured communication with at least one of a carrier and the secured electronic system. Block 430 provides that a wearable device user is biometrically authenticated. Authentication can be via a microphone or skin illumination hardware integrated in the smartwatch. As shown by arrow labeled 425, block 430 can occur before block 420. Finally, as shown in block 440, the wearable device user can be granted access to a secured electronic system when at least one of the following conditions applies: user authenticated for access to secure electronic system by the smartwatch; user authenticated for access to secure electronic system by carrier; user authenticated for access to secure electronic system by remote server; user granted access based on location; and user is granted access based on proximity to secure electronic system.

[0032] 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 system for enabling a wearable device user to access secured electronic systems, said system comprising:

a wearable device including telecommunications carrier access identification module, a cellular RF communications module, and a short-range RF communications module; and

a registration module configured to register secure electronic systems, authenticate a wearable device user, and grant the wearable device user with access to secured electronic systems if the wearable device user is authenticated by at least one of the wearable device, a carrier network, and a remote server.

2. The system of claim 1, wherein said wearable device further comprises a smartwatch including a microphone and skin illumination and measurement hardware, wherein authentication of the user is based on biometric information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

3. The system of claim 1, further comprising a GPS module for determining location of the wearable device user with respect to the secured electronic system, wherein access to the secured electronic systems is also dependent on the location of the wearable device user.

4. The system of claim 1, wherein access to the secured electronic system is determined by at least one of the wearable device and the registration module based on at least one of: user authenticated for access to secured electronic system by smartwatch, user biometrically authenticated for access by carrier, user biometrically authenticated for access by remote server, user granted access based on location, and user granted access based on proximity to a secured electronic system.

5. The system of claim 4, wherein said wearable device further comprises smartwatch including a microphone and skin illumination and measurement hardware, wherein authentication of the user is based on biometric information obtained from the

user via at least one of the microphone and the skin illumination and measurement hardware.

6. The system of claim 4, wherein said wearable device further comprises a GPS module for determining location of the wearable device user with respect to secured electronic systems, and wherein access to the secured electronic systems is dependent on the location of the wearable device user in relationship to the secured electronic systems.

7. The system of claim 5, wherein said wearable device further comprises a GPS module for determining location of the wearable device user with respect to secured electronic systems, and wherein access to the secured electronic systems is dependent on the location of the wearable device user in relationship to the secured electronic systems.

8. The system of claim 6, wherein said wearable device further comprises smartwatch including a microphone and skin illumination and measurement hardware, wherein authentication of the user is based on biometric information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

9. A method for enabling a wearable device user to access secured electronic systems, said method comprising:

placing a wearable device in contact with a user, said wearable device including a telecommunications carrier access identification module, a cellular RF communications module, and a short-range RF communications module;

achieving secured, short-range RF communication between the wearable device and a secured electronic system;

authenticating the user with at least one of the wearable device, a remote server via cellular communications supported by the telecommunications carrier access identification module and the cellular RF communications module, and the secured electronic system via the secured, short-range RF communication; and

providing the user with access to or through the secured electronic system once authenticated.

10. The method of claim 9, wherein said wearable device comprises a smartwatch including a microphone and skin illumination and measurement hardware, wherein authentication of the user is based on biometric information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

11. The method of claim 9, wherein said wearable device includes a GPS module for determining location of the wearable device user with respect to the secured electronic system, wherein the step of providing a user access to or through the secured electronic systems is also dependent on the location of the wearable device user.

12. The method of claim 9, wherein said wearable device further comprises a registration module, wherein providing a user access to or through the secured electronic system is determined by at least one of the wearable device and the registration module based on at least one of: the user authenticated for access to secured electronic system by the wearable device, the user biometrically authenticated for access by a wireless carrier, the user biometrically authenticated for access by remote server, the user granted access based on location, and the user granted access based on proximity to a secured electronic system.

13. The method of claim 9, wherein said wearable device further comprises smartwatch including a microphone and skin illumination and measurement hardware, wherein authentication of the user is based on biometric information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

14. The method of claim 13, wherein said wearable device further comprises a GPS module for determining location of the wearable device user with respect to secured electronic systems, and wherein access to the secured electronic systems is dependent on the location of the wearable device user in relationship to the secured electronic systems.

15. The method of claim 11, wherein said wearable device further comprises smartwatch including a microphone and skin illumination and measurement hardware,

wherein authentication of the user is based on biometric information obtained from the user via at least one of the microphone and the skin illumination and measurement hardware.

16. A method for enabling a smartwatch user to access secured electronic systems, said method comprising:

placing a smartwatch in contact with a user, the smartwatch including a registration module, a short-range RF communications module, a microphone, and skin illumination and measurement hardware;

achieving secured, short-range RF communication between the smartwatch and a secured electronic system;

authenticating the user with at least one of the smartwatch and the secured electronic system using at least one biometric obtained from at least one of the microphone and the skin illumination and measurement hardware; and

providing the user with access to or through the secured electronic system once authenticated.

17. The method of claim 16, wherein the smartwatch further includes a subscriber identification module (SIM) and a cellular communications module, wherein authentication of the user is also achievable by accessing a remote server via cellular communications supported by the SIM and the cellular communications module and matching the at least one biometric.

18. The method of claim 17, wherein the smartwatch wearable device includes a GPS module for determining location of the smartwatch user with respect to the secured electronic system, and wherein the step of providing a user access to or through the secured electronic systems is also dependent on a location of the smartwatch user with respect to a location of the secured electronic system.

19. The method of claim 18, wherein providing a user access to or through the secured electronic system is determined by the registration module based on at least one of: user authentication for access to secured electronic system by smartwatch, user biometric authentication by a wireless carrier, user biometric authentication by remote server, user location, and user proximity to a secured electronic system.

ABSTRACT

Systems, methods, and apparatuses disclosed enable wearable device (e.g., smartwatch) user access to secured electronic systems based on at least one of user authentication for access to secured electronic system by the wearable device, user biometric authentication by a wireless carrier, user biometric authentication by remote server, user location, and user proximity to a secured electronic system. A wearable device can include a telecommunications carrier identification module (e.g., SIM), cellular RF communications, and short-range RF communications. A registration module can register secure electronic systems, authenticate a wearable device user, and grant the wearable device user with access to secured electronic systems if the wearable device user is authenticated by at least one of the wearable device, the registration module, a carrier network, a remote server, and the secured electronic system. Authentication can include biometric measurement facilitated by the wearable device.

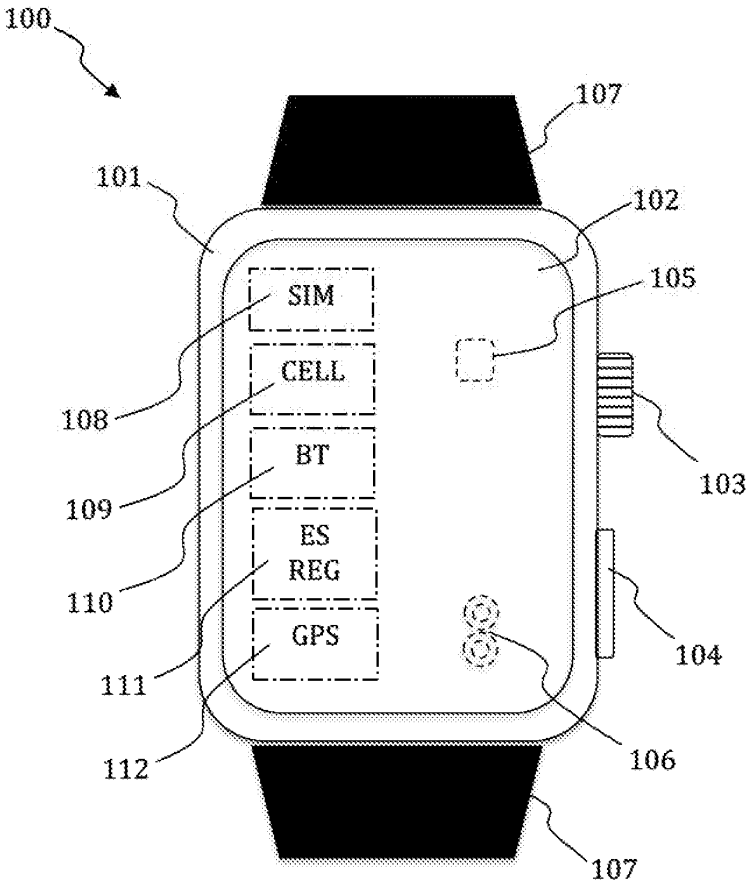

100
107
101
102
105
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FIG. 1

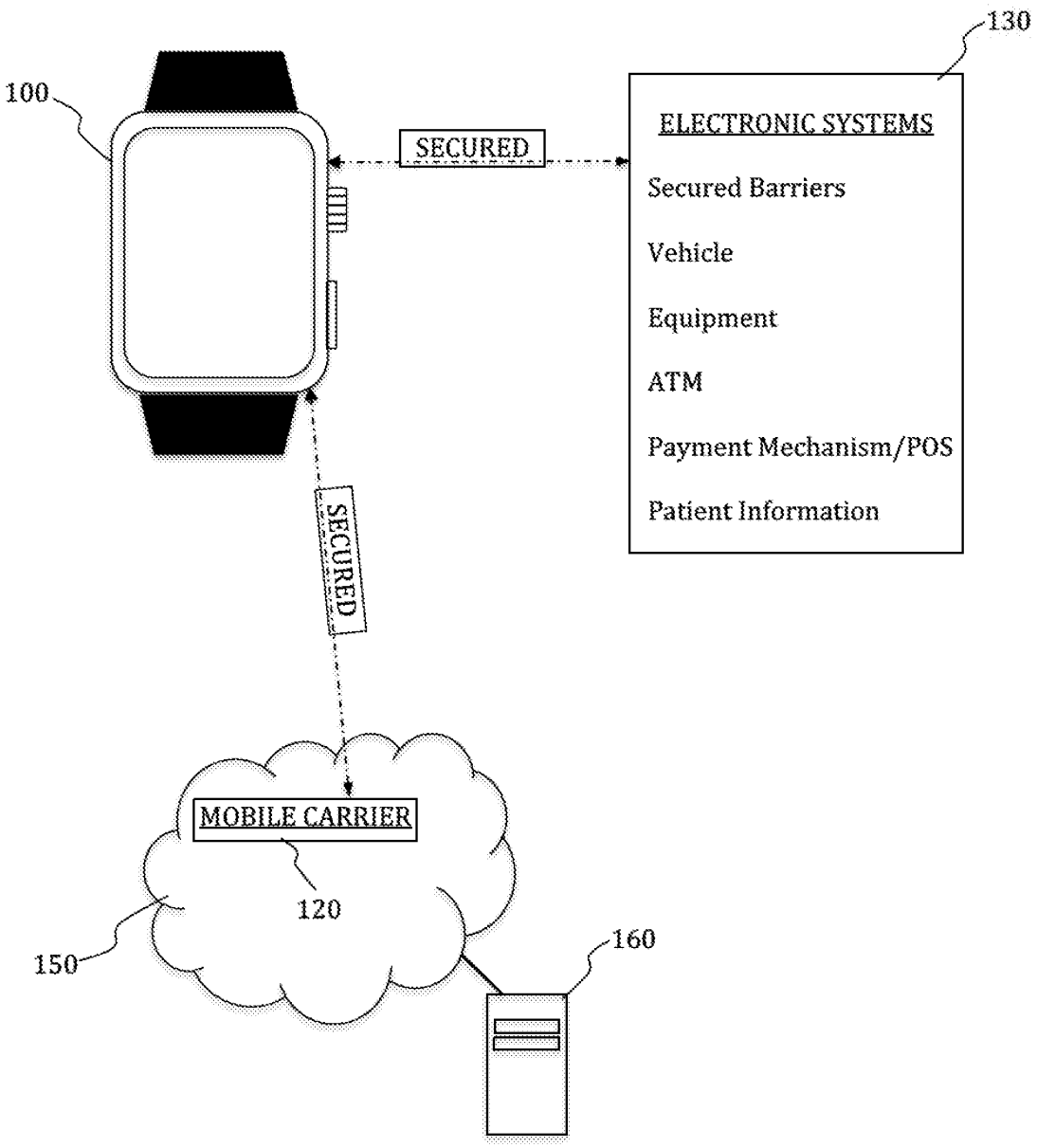

130
100
SECURED
ELECTRONIC SYSTEMS
Secured Barriers
Vehicle
Equipment
ATM
Payment Mechanism/POS
Patient Information
SECURED
MOBILE CARRIER
120
150
160

FIG. 2

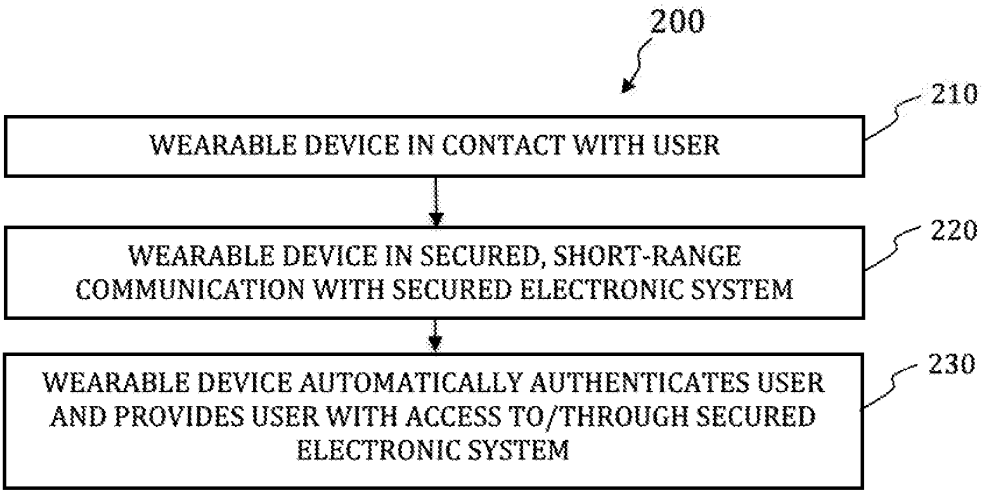

200
210
WEARABLE DEVICE IN CONTACT WITH USER
220
WEARABLE DEVICE IN SECURED, SHORT-RANGE COMMUNICATION WITH SECURED ELECTRONIC SYSTEM
230
WEARABLE DEVICE AUTOMATICALLY AUTHENTICATES USER AND PROVIDES USER WITH ACCESS TO/THROUGH SECURED ELECTRONIC SYSTEM

FIG 3

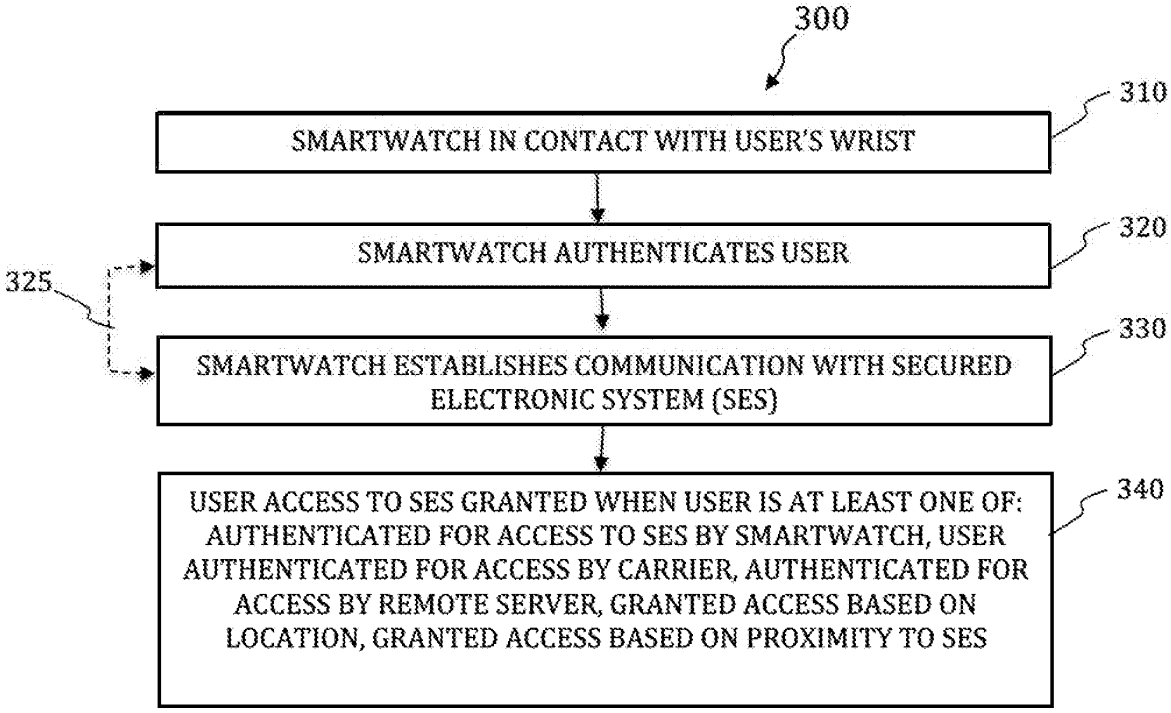

300
310
SMARTWATCH IN CONTACT WITH USER'S WRIST
320
SMARTWATCH AUTHENTICATES USER
325
330
SMARTWATCH ESTABLISHES COMMUNICATION WITH SECURED ELECTRONIC SYSTEM (SES)
340
USER ACCESS TO SES GRANTED WHEN USER IS AT LEAST ONE OF: AUTHENTICATED FOR ACCESS TO SES BY SMARTWATCH, USER AUTHENTICATED FOR ACCESS BY CARRIER, AUTHENTICATED FOR ACCESS BY REMOTE SERVER, GRANTED ACCESS BASED ON LOCATION, GRANTED ACCESS BASED ON PROXIMITY TO SES

FIG 4

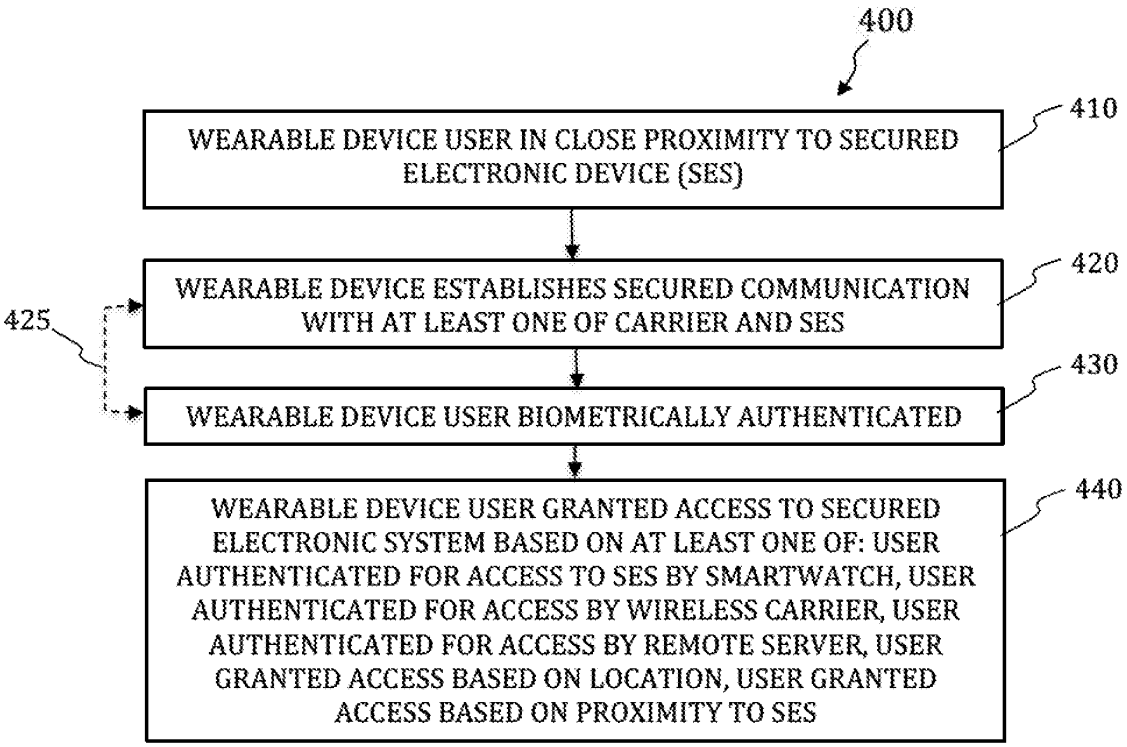

400
WEARABLE DEVICE USER IN CLOSE PROXIMITY TO SECURED ELECTRONIC DEVICE (SES)
410
WEARABLE DEVICE ESTABLISHES SECURED COMMUNICATION WITH AT LEAST ONE OF CARRIER AND SES
420
425
WEARABLE DEVICE USER BIOMETRICALLY AUTHENTICATED
430
WEARABLE DEVICE USER GRANTED ACCESS TO SECURED ELECTRONIC SYSTEM BASED ON AT LEAST ONE OF: USER AUTHENTICATED FOR ACCESS TO SES BY SMARTWATCH, USER AUTHENTICATED FOR ACCESS BY WIRELESS CARRIER, USER AUTHENTICATED FOR ACCESS BY REMOTE SERVER, USER GRANTED ACCESS BASED ON LOCATION, USER GRANTED ACCESS BASED ON PROXIMITY TO SES
440

FIG 5

Electronic Acknowledgement Receipt

EFS ID:	26617975
Application Number:	15234565
International Application Number:	
Confirmation Number:	9967
Title of Invention:	SYSTEMS, METHODS AND APPARATUSES FOR ENABLING WEARABLE DEVICE USER ACCESS TO SECURED ELECTRONIC SYSTEMS
First Named Inventor/Applicant Name:	Luis M. Ortiz
Customer Number:	64064
Filer:	Luis Melisendro Ortiz/Kemlyn Evans
Filer Authorized By:	Luis Melisendro Ortiz
Attorney Docket Number:	1000-3452
Receipt Date:	11-AUG-2016
Filing Date:	
Time Stamp:	16:01:07
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal of New Application	1000-3452_Transmittal.pdf	322513 e2d73ce3d27cde4dca8b99aa6d4cab3a4d3f5b25	no	2

Warnings:

Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	1000-3452_IDS.pdf	612199 17824d10a6085a180a02d2e6583aa57078ca8e14	no	4
Warnings:					
Information:					
3	Application Data Sheet	1000-3452_ADS.pdf	1823044 a2e1a721593fac530517db477a190c15afc04763	no	9
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4		1000-3452_FINAL.pdf	2974746 aa2b5e15a9349600d3ce72d1f310b9d782160703	yes	16

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Specification	1	11
	Claims	12	15
	Abstract	16	16

Warnings:					
Information:					
5	Drawings-only black and white line drawings	1000-3452_Drwgs.pdf	596849 e0b324d22062c17ea442a32e7ef3df08f1de40ea	no	4
Warnings:					
Information:					
		Total Files Size (in bytes):	6329351		

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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.

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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.